DETROIT DIESEL

V-71 Parts Catalog

DETROIT DIESEL
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All references in this catalog to DDA and/or General Motors Corporation shall be read to mean Detroit Diesel Corporation (DDC).

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CAUTION
METRICS AT WORK

Detroit Diesel Engines contain parts dimensioned in the metric system as well as in the customary system. Many fasteners are metric and are very close in dimension to familiar customary fasteners in the inch system. It is important to note that, during any maintenance procedures, replacement fasteners must have the same measurements and strength as those removed, whether metric or customary. (Numbers on the heads of metric bolts and on surfaces of metric nuts indicate their strength. Customary bolts use radial lines for this purpose, while most customary nuts do not have strength markings.) Mismatched or incorrect fasteners can result in engine damage or malfunction, or possibly personal injury. Therefore, fasteners removed from the engine should be saved for re-use in the same locations whenever possible. Where the fasteners are not satisfactory for re-use, care should be taken to select a replacement that matches the original. For information and assistance, see your Detroit Diesel Allison Service Outlet.

NOTE: Metric Hardware is identified in the Parts Catalogs through its unique nomenclature. Conventional hardware can always be recognized by the inch marks (") common to diameter and length.

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GENERAL INFORMATION

GENERAL INFORMATION

All engine components in this catalog are divided into twelve major groups of functionally related parts. A listing of the groups and their sub-groups appears under "Group Nomenclature" on page 4 of this section.

Within each sub-group different designs of similar equipment are shown, each being designated by a type number. The type number in one sub-group has no relationship to the same type number in another sub-group.

Each Engine Model is provided with a Model Index, showing Standard type numbers currently available on the model. Standard option types are indicated by a • symbol. Standard option and all optional type numbers are listed on the engine Option Plate, as shown in the illustration below.

The names and type numbers of optional equipment built into the unit at the factory are listed on this plate, along with the unit model, serial number and customer specification number (if any). Material not listed on the Option Plate is standard equipment and the type number is obtained from the model index. (Copies of the information, on the Option Plate Work Sheet, are furnished to distributors for their files.)

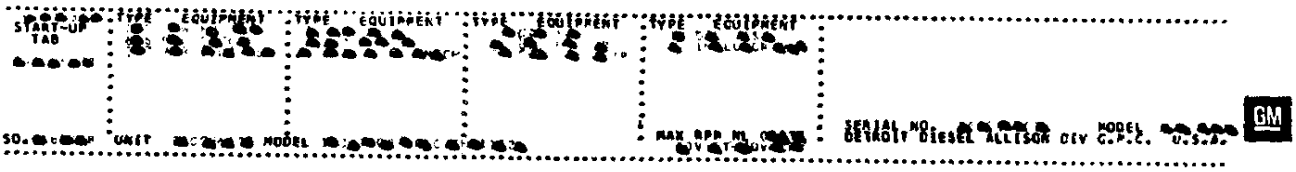
To locate a part, first, establish the group where the part is used (see the Alphabetical Index or Group Nomenclature page) then, determine the type number for the group from either the Option Plate or the Model Index. With this information, turn to the proper group and locate the type number at the top of the page. All parts applicable to the type are indicated by the quantity indicated in the column. An AR in this column indicates an "as required" quantity.

EXAMPLE

For purposes of illustration, a model 7063-7200 unit will be used. The following examples cover the steps to be followed:

1. To determine the part number of the crankshaft, refer to the Option Plate and note there is no reference to it, indicating it is standard equipment. Next turn to the Model Index and establish that the crankshaft is type 23 in group 1.3000. Turn to group 1.3000 and locate type 23 at the top of the page. All items with a quantity in this column apply to this unit. In sub-group 1.3001 crankshaft assy., the quantity in type 23 column shows the crankshaft to be part number 5146733.

2. To determine the proper crankshaft pulley for this unit again refer to the Option Plate and note that Crankshaft Pulley type number is 113, consult the group nomenclature page to establish that crankshaft pulley is group 1.3000C. Now turn to group 1.3000C and find type 113 at the top of the page. The quantity shown in type 113 at sub-group 1.3280 shows the crankshaft pulley to be part number 5122237.



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ASSEMBLY BREAKDOWN

The Assembly Breakdown section is designed to eliminate repeating components of assemblies and sub-assemblies. When the Assembly Breakdown is used it is always found at the end of the group it pertains to. The pages are numbered with an alphabetical prefix. Assemblies which make use of the Assembly Breakdown will have a note to that effect under the sub-group heading. The note will refer to the page on which the assembly is shown. The part number will appear in the first group of the Assembly Breakdown showing the quantity used in one of the alphabetically designated columns. All other items appearing in that column are components of the assembly.

ALPHABETICAL INDEX

The Alphabetical Index on page 5 is particularly helpful when only a part name is known and the group can not readily be determined. Parts are listed alphabetically by noun name, followed by a description of the application of the part and the final group location. Component parts of assemblies are not listed since they will appear in the body of the book immediately following the assembly to which they belong.

PARTS RELEASE

A Parts Release on Microfiche, is issued periodically to keep this catalog up-to-date. It consists of revised Fiche for insertion in the set. All new Fiche carry a date of issue. These should be inserted into the deck immediately upon receipt. Old Fiche may then be destroyed.

A checklist is included with each Microfiche update. This checklist will indicate, by date, those Fiche revised and reissued.

MISCELLANEOUS

At the beginning of each of the sections of this catalog there are several pages of illustrations. In each section of the parts list figure numbers refer to illustrations within that section only unless otherwise *noted. In* the majority of cases illustrations are typical, that is, they may represent more than one part number. For example, in the case of the flywheel housing, figure 3B of section 1.0000, a single housing is shown to represent all housings. Key numbers on illustrations are final group numbers.

In many instances a part has more than one application. Wherever a part appears in its second or third application the basic group is shown in parenthesis following the description.

Unless otherwise specified, standard bolts in the parts list are hexagon head. Other standard parts are described in detail.

The information and illustrations in this publication are based on the inoformation in effect at the time of approval for printing. The right is reserved to make changes at any time without notice.

YOUR PARTS ORDER WILL BE HANDLED MORE EFFICIENTLY IF YOU—

1. Provide the following information for material ordered:
   - A. Group in parts book in which it is specified.
   - B. Quantity desired.
   - C. Part Number.
   - D. Complete Nomenclature.
   - E. The Type number for the model concerned.
   - F. Complete unit model identification and serial number.
   - G. "TYPE" rather than "WRITE" the above information.
2. Furnish complete shipping instruction. This is particularly important in case the order is not to be handled in the regular manner. Indicate whether shipment should be made via parcel post, express, air freight, etc.
3. Confirm all telegraph and telephone orders immediately, clearly marking any such orders "CONFIRMING" to avoid duplication of shipment of such orders.

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Blcer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

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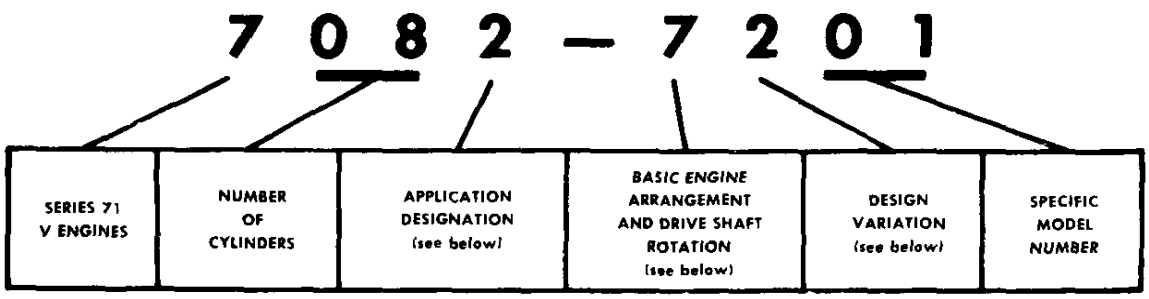


APPLICATION DESIGNATIONS:

7082-7200	*MARINE*
7083-7200	INDUSTRIAL F-F
7084-7200	POWER-BASE
7065-7200	GENERATOR
7087-7000	VEHICLE F-F
7088-7000	VEHICLE F-F

BASIC ENGINE ARRANGEMENTS:

Rotation: L (left) and R (right) designates rotation viewed from the front of the engine.

Type: A-B-C-D designates location of starter and oil cooler as viewed from the rear (flywheel) end.

Cylinder Bank: Left and right cylinder banks are determined from rear of engine.

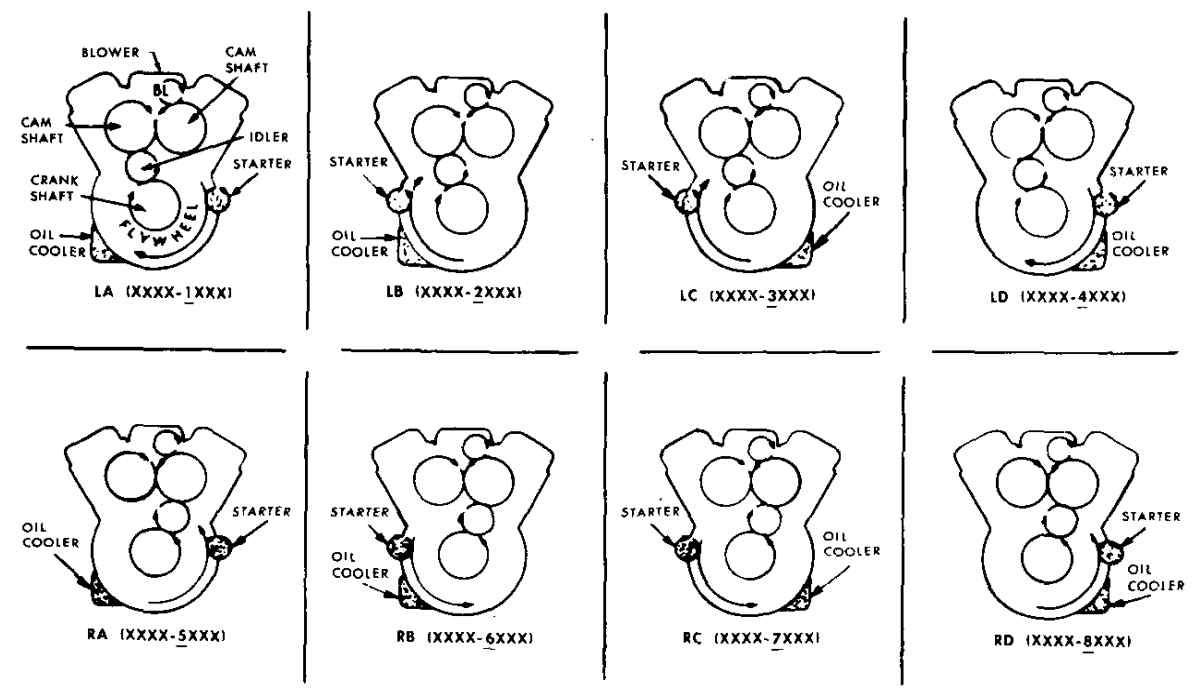
DESIGN VARIATIONS:

7082-7000	V-71 "N" ENGINE
7082-7100	2 VALVE HEAD ENGINE
7082-7200	4 VALVE HEAD ENGINE
7082-7300	TURBOCHARGED ENGINE
7082-7400	TURBO-AFTERCOOLED ENGINE
7082-7500	CUSTOMER SPEC. ENGINE
7087-7600	CONSTANT HORSEPOWER ECONOMY (TAE) (CALIFORNIA CERTIFIED)
7087-7700	CONSTANT HORSEPOWER (TT)
7087-7800	CONSTANT HORSEPOWER (TTA) (CALIFORNIA CERTIFIED)
7087-7900	CONSTANT HORSEPOWER ECONOMY (TTAE) (CALIFORNIA CERTIFIED)

DRIVE SHAFT ROTATIONS:

7242-0200	LEFT-HAND
7242-9200	RIGHT-HAND

Drive shaft rotation: shaft rotation on multiple units is determined from the rear of the unit.



• Fig. 2 – Model Numbering, Rotation and Accessory Arrangements

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ALPHABETICAL INDEX

PART NAME	GROUP NO.
A	
ACCUMULATOR, AIR HEATER	7. 8415
ACCUMULATOR, HYDRAULIC STARTER	12.6570
ADAPTOR ASSY., OVERSPEED VALVE DRIVE CABLE	7. 4587
ADAPTOR KIT, TACHOMETER DRIVE CABLE-HEAVY DUTY DRIVE	7. 4418
ADAPTOR, ACCESSORY DRIVE	1. 7622
ADAPTOR, AIR CLEANER MOUNTING	3. 1085
ADAPTOR, AIR COMPRESSOR	12.4020
ADAPTOR, AIR DUCT	5. 4620
ADAPTOR, AIR INLET HOUSING	3. 3004
ADAPTOR, AIR SILENCER	3. 2015
ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK	2. 8945
ADAPTOR, DIPSTICK	4. 6030
ADAPTOR, EXHAUST OUTLET	6. 2120
ADAPTOR, EXHAUST PIPE	6. 1190
ADAPTOR, FLANGE MOUNTED ALTERNATOR	7. 1588
ADAPTOR, FLYWHEEL HOUSING	1. 5130
ADAPTOR, FUEL PUMP DRIVE	2. 2260
ADAPTOR, GOVERNOR DRIVE TACHOMETER DRIVE	2. 8930
ADAPTOR, HYDRAULIC MARINE GEAR OIL PUMP	9. 1477
ADAPTOR, HYDRAULIC MARINE GEAR OIL PUMP (TWIN AND QUAD)	9. 1477
ADAPTOR, HYDRAULIC PUMP	12.5020
ADAPTOR, HYDRAULIC PUMP DRIVE SHAFT BEARING	12.5037
ADAPTOR, OIL COOLER	4. 4110
ADAPTOR, OIL FILLER TUBE	4. 5005
ADAPTOR, OIL FILTER	8. 1977
ADAPTOR, OIL FILTER	8. 3873
ADAPTOR, OIL FILTER	9. 1782
ADAPTOR, OIL FILTER COVER	4. 2291
ADAPTOR, OIL FILTER TUBE-REMOTE MOUNTED FILTER	4. 3025
ADAPTOR, OVERSPEED TRIP GOVERNOR	7. 4635
ADAPTOR, POWER TAKE-OFF TO CLUTCH	8. 1905
ADAPTOR, STARTER DRIVE	12.6065
ADAPTOR, TACHOMETER DRIVE CABLE	7. 4420
ADAPTOR, TACHOMETER DRIVE CABLE (TWIN AND QUAD)	7. 4420
ADAPTOR, TACHOMETER DRIVE COVER	7. 4457
ADAPTOR, TACHOMETER DRIVE COVER (TWIN AND QUAD)	7. 4457
ADAPTOR, TACHOMETER MOUNTING	7. 4061
ADAPTOR, THROTTLE CONTROL KNOB	2. 9132
ADAPTOR, TORQUE CONVERTER DISCONNECT CLUTCH DRIVE	8. 1665
ADAPTOR, TURBOCHARGER EXHAUST OUTLET	3. 5324
ADAPTOR, WATER TEMPERATURE GAGE	7. 4084
ADAPTOR, WATER TEMPERATURE GAGE (TWIN AND QUAD)	7. 4084
ADAPTOR, WATER TEMPERATURE SWITCH	7. 4509
AFTERCOOLER	3. 5436
AFTERCOOLER, TURBOCHARGER	3. 5436
AIR BOX DRAINS	
AIR CLEANER ASSY.	3. 1001
AIR COMPRESSOR	
AIR INLET HOUSING	3. 3000A
AIR STARTER ASSY.	12.6080
AIR STRAINER AND LUBRICATION ASSY., AIR STARTER	12.6120
AMMETER BATTERY CHARGING	7. 4015
AMMETER, BATTERY CHARGING	7. 4015
AMMETER, BATTERY CHARGING (TWIN AND QUAD)	7. 4015

PART NAME	GROUP NO.
A	
ARM ASSY., EXHAUST VALVE ROCKER	1. 8060
ARM ASSY., INJECTOR ROCKER	1. 8080
ASPIRATOR, EXHAUST	3. 1003
ATTACHING PARTS CYLINDER BLOCK FRONT TO REAR	1. 1003
ATTACHING PARTS, CYLINDER BLOCK FRONT TO REAR	1. 1003
B	
BAFFLE, BREATHER	4. 8025
BAFFLE, GENERATOR FAN	7. 1470
BAFFLE, OIL COOLER	4. 4085
BAFFLE, OIL PAN	4. 1524
BAFFLE, OIL PAN	4. 7045
BAFFLE, RADIATOR REMOVABLE	5. 3265
BAFFLE, REDUCTION GEAR OIL	9. 1380
BALL HEAD ASSY., GOVERNOR	2. 8560
BALL HEAD, HYDRAULIC OVERSPEED TRIP GOVERNOR	7. 4617
BASE KIT, GOVERNOR	2. 8690
BASE, AUTOMATIC STARTING SPRING	7. 2295
BASE, ENGINE MOUNTING	11.1001
BASE, ENGINE MOUNTING (TWIN AND QUAD)	11.1001
BASE, GOVERNOR	8. 3380
BASE, TURBOCHARGER PRESSURE RATIO CONTROLLER	3. 5710
BATTERY ASSY.	7. 2001
BEARING ASSY., PILLOW BLOCK	8. 1740
BEARING, ACCESSORY DRIVE	1. 7655
BEARING, AIR COMPRESSOR DRIVE SHAFT	12.4048
BEARING, BILGE PUMP SHAFT	12.2100
BEARING, BLOWER DRIVE GEAR HUB SUPPORT	3. 4355
BEARING, BLOWER ROTOR FRONT	3. 4040
BEARING, BLOWER ROTOR REAR	3. 4060
BEARING, CAMSHAFT END	1. 7010
BEARING, CAMSHAFT INTERMEDIATE	1. 7040
BEARING, CLUTCH DRIVE SHAFT	8. 1680
BEARING, CLUTCH PILOT	1. 4040
BEARING, CLUTCH PILOT	8. 1450
BEARING, CLUTCH RELEASE	8. 1290
BEARING, CRANKSHAFT FRONT TRUNNION	11.1089
BEARING, FAN SHAFT	5. 4110
BEARING, FLYWHEEL PILOT	9. 1210
BEARING, FLYWHEEL PILOT (TWIN AND QUAD)	9. 1210
BEARING, FRESH WATER PUMP	5. 1070
BEARING, GENERATOR DRIVE	7. 1535
BEARING, GOVERNOR DRIVE THRUST	2. 8830
BEARING, GOVERNOR DRIVEN SHAFT	2. 8810
BEARING, GOVERNOR OPERATING BELL CRANK	2. 8967
BEARING, GOVERNOR OPERATING SHAFT	8. 3410
BEARING, GOVERNOR OPERATING SHAFT-LOWER	2. 7270
BEARING, GOVERNOR OPERATING SHAFT-UPPER	2. 7260
BEARING, GOVERNOR PILOT VALVE PLUNGER THRUST	2. 8610
BEARING, GOVERNOR RISER THRUST	8. 3425
BEARING, GOVERNOR ROCKER SHAFT	8. 3440
BEARING, GOVERNOR THROTTLE SHAFT	2. 7100
BEARING, GOVERNOR VARIABLE SPEED SPRING LEVER	2. 7732
BEARING, GOVERNOR VARIABLE SPEED SPRING LEVER SHAFT	2. 7712
BEARING, GOVERNOR WEIGHT	2. 7440
BEARING, GOVERNOR WEIGHT RISER THRUST	2. 7460
BEARING, GOVERNOR WEIGHT SHAFT END	2. 7470
BEARING, HYDRAULIC PUMP DRIVE SHAFT	12.5033
BEARING, HYDRAULIC STARTER END	12.6540

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ALPHABETICAL INDEX

PART NAME	GROUP NO.
B	
BEARING, HYDRAULIC STARTER ENGINE PUMP	12.6602
BEARING, HYDRAULIC STARTER ENGINE PUMP PISTON	12.6610
BEARING, IDLER GEAR	1. 7225
BEARING, OVERSPEED TRIP GOVERNOR OPERATING SHAFT	7. 4647
BEARING, PISTON PIN	1. 6142
BEARING, PLANETARY GEAR PINION	9. 1083
BEARING, PLANETARY GEAR PINION (TWIN AND QUAD)	9. 1083
BEARING, RAW WATER PUMP	5. 6130
BEARING, REDUCTION GEAR DRIVE SHAFT PILOT	9. 1345
BEARING, REDUCTION GEAR DRIVE SHAFT THRUST	9. 1350
BEARING, REDUCTION GEAR PINION	9. 1320
BEARING, REDUCTION GEAR SHAFT	8. 1945
BEARING, REDUCTION GEAR SHAFT PILOT	8. 1940
BEARING, ROTOR ASSY. SHAFT	3. 5027
BEARING, STARTER DRIVE	12.6060
BEARING, SUN GEAR (TWIN AND QUAD)	9. 1073
BEARING, THERMO FAN	5. 4365
BEARING, THROTTLE CONTROL BELL CRANK SUPPORT	2. 9705
BEARING, TRANSFER GEAR OR GEAR BOX DRIVE GEAR	9. 3030
BEARING, TRANSFER GEAR OR GEAR BOX OR CHAIN CASE OUTPUT SHAFT FRONT	9. 3070
BEARING, TRANSFER GEAR OR GEAR BOX OR CHAIN CASE OUTPUT SHAFT REAR	9. 3100
BELL CRANK ASSY., GOVERNOR OPERATING	2. 8965
BELL CRANK, THROTTLE CONTROL	2. 9710
BELL CRANK, THROTTLE CONTROL (TWIN AND QUAD)	2. 9710
BELL, ALARM SWITCH	7. 4513
BELL, ALARM SYSTEM	7. 4513
BELT, ACCESSORY DRIVE	1. 7625
BELT, AIR COMPRESSOR DRIVE	12.4045
BELT, CRANKSHAFT PULLEY DRIVE	1. 3320
BELT, GENERATOR DRIVE	7. 1575
BELT, HYDRAULIC PUMP DRIVE	12.5009
BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED	5. 4010
BLOCK, CONTROL TERMINAL	7. 2340
BLOCK, CYLINDER	1. 1001
BLOCK, FUEL SYSTEM JUNCTION	2. 5250
BLOCK, GOVERNOR MOTOR TERMINAL	2. 8189
BLOCK, INSTRUMENT PANEL FUSE	7. 4135
BLOCK, INSTRUMENT PANEL FUSE (TWIN AND QUAD)	7. 4135
BLOCK, TERMINAL	7. 4547
BLOWER	3. 4000
BLOWER AND DRIVE	
BLOWER AND DRIVE	3. 4000
BLOWER ASSEMBLY	3. 4001
BLOWER ASSY.	3. 4001
BLOWER DRIVE SHAFT	3. 4000A
BLOWER KIT, INSTALLATION	3. 4003
BLOWER KIT, REPAIR	3. 4005
BODY ASSY., INJECTOR	2. 1020
BODY ASSY., MASTER CYLINDER	12.6810
BODY, AIR CYLINDER	6. 2200
BODY, AIR HEATER	7. 8030
BODY, BILGE PUMP	12.2010
BODY, BREATHER OR SEPARATOR	4. 8050
BODY, FRESH WATER PUMP	5. 1030
BODY, FUEL PUMP	2. 2010
BODY, GOVERNOR	8. 3370

PART NAME	GROUP NO.
B	
BODY, HYDRAULIC PUMP	9. 1485
BODY, HYDRAULIC STARTER CONTROL VALVE	12.6517
BODY, HYDRAULIC STARTER ENGINE PUMP	12.6595
BODY, HYDRAULIC STARTER HAND PUMP	12.6633
BODY, OIL PRESSURE REGULATOR AND RELIEF	4. 1680
BODY, OIL PUMP	4. 1040
BODY, RAW WATER PUMP	5. 6030
BODY, WATER FILTER	5. 7013
BOLT, AIR CLEANER ASSY.	3. 1070
BOLT, CRANKSHAFT MAIN BEARING CAP	1. 3140
BOLT, FORWARD CLUTCH EMERGENCY ENGAGEMENT	9. 1220
BOLT, FORWARD CLUTCH EMERGENCY RELEASE (TWIN AND QUAD)	9. 1220
BOLT, ROCKER COVER	1. 8460
BOOT, HYDRAULIC STARTER HAND PUMP CAM	12.6645
BOOT, INJECTOR CONTROL TUBE LINK	2. 8950
BRACE, ENGINE FRONT COVER SUPPORT	1. 2067
BRACE, FRONT COVER FAN	5. 4390
BRACKET ASSY., ANTI-STALL	2. 8552
BRACKET, AFTERCOOLER WATER OUTLET TUBE	3. 5445
BRACKET, AIR CLEANER MOUNTING	3. 1230
BRACKET, AIR COMPRESSOR MOUNTING	12.4010
BRACKET, AIR CYLINDER MOUNTING	6. 2212
BRACKET, AIR HEATER COIL	7. 8090
BRACKET, AIR HEATER MOUNTING	7. 8002
BRACKET, AIR HEATER PUMP AND VALVE	7. 8203
BRACKET, AIR SHUTOFF SOLENOID	7. 4530
BRACKET, AIR SHUTOFF SOLENOID LIMIT SWITCH	7. 4535
BRACKET, AIR STARTER	12.6170
BRACKET, ALARM SHUTOFF SWITCH	7. 4600
BRACKET, AUTOMATIC STARTING GEAR AND CAM	7. 2260
BRACKET, AUTOMATIC STARTING LIMIT SWITCH	7. 2283
BRACKET, AUTOMATIC STARTING SOLENOID	7. 2245
BRACKET, BREATHER EXTENSION PIPE	4. 8183
BRACKET, CONVERTER OIL FILTER MOUNTING	8. 3880
BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT	2. 9030
BRACKET, DRAIN TANK MOUNTING	1. 1240
BRACKET, ENGINE LIFTER-FRONT	1. 2070
BRACKET, ENGINE LIFTER-REAR	1. 2080
BRACKET, EXHAUST MUFFLER MOUNTING STRAP	6. 2035
BRACKET, FAN SHAFT	5. 4090
BRACKET, FLYWHEEL HOUSING TO HEAD SUPPORT	1. 5025
BRACKET, FUEL FILTER MOUNTING	2. 3530
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7080-7000	8V-71 EXCHANGE ENGINE
7082-3000	8V-71 MARINE PROP., PORT UNIT
7082-3001	8V-71 MARINE PROP., PORT UNIT LOW PROFILE
7082-3200	8V-71 MARINE PROPULSION, PORT UNIT
7082-3300	8V-71 MARINE PROP., PORT UNIT
7082-7000	8V-71 MARINE PROP., STBD. UNIT
7082-7001	8V-71 MARINE PROP., STBD. UNIT LOW PROFILE
7082-7200	8V-71 MARINE PROPULSION, STBD. UNIT
7082-7300	8V-71 MARINE PROP., STBD. UNIT
7082-7399	8V-71 MARINE PROP. STBD. UNIT
7083-3000	8V-71 FAN TO FLYWHEEL, INDUSTRIAL
7083-3300	8V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBOCHARGER
7083-7000	8V-71 FAN TO FLYWHEEL, INDUSTRIAL
7083-7001	8V-71 FAN TO FLYWHEEL, TORQ. CONV. UNIT
7083-7005	8V-71 FAN TO FLYWHEEL, GENERATOR SET
7083-7008	8V-71 FAN TO FLYWHEEL INDUSTRIAL
7083-7009	8V-71 FAN TO FLYWHEEL, DIST. STD. MAR. UNIT
7083-7030	8V-71 FAN TO FLYWHEEL, INDUSTRIAL
7083-7086	8V-71 FAN TO FLYWHEEL, INDUSTRIAL
7083-7096	8V-71 FAN TO FLYWHEEL, INDUSTRIAL
7083-7097	8V-71 FAN TO FLYWHEEL, INDUSTRIAL
7083-7098	8V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO.
7083-7099	8V-71 FAN TO FLYWHEEL, GENERATOR SET
7083-7200	8V-71 FAN TO FLYWHEEL, INDUSTRIAL
7083-7201	8V-71 FAN TO FLYWHEEL, TORQ. CONV. UNIT
7083-7230	8V-71 FAN TO FLYWHEEL, INDUSTRIAL
7083-7299	8V-71 FAN TO FLYWHEEL, INDUSTRIAL
7083-7300	8V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBOCHARGER
7083-7301	8V71 FAN TO FLYWHEEL, INDUSTRIAL, TURBO
7083-7305	8V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO.
7083-7308	8V-71 FAN TO FLYWHEEL, DIST. STD. MARINE UNIT
7083-7309	8V-71 FAN TO FLYWHEEL, INDUST. TURBO. INT. CLD.
7083-7330	8V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO.
7083-7386	8V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO.
7083-7387	8V-71 FAN TO FLYWHEEL INDUSTRIAL TURBO.
7083-7395	8V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO.
7083-7396	8V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO.
7083-7397	8V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO.
7083-7398	8V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO.
7083-7399	8V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO.
7083-7600	8V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO, AFTERCOOLED
7083-7601	8V71 FAN TO FLYWHEEL, INDUSTRIAL
7083-7699	8V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO.
7084-3000	8V-71 POWER TAKE-OFF UNIT, RAD. CLD.
7084-3002	8V-71 POWER TAKE-OFF UNIT, EXCH. CLD.
7084-3010	8V-71 POWER TAKE-OFF UNIT, EXCH. CLD
7084-7000	8V-71 POWER TAKE-OFF UNIT, RAD. CLD.
7084-7001	8V-71 TORQUE CONVERTER UNIT, RAD. CLD.
7084-7002	8V-71 POWER TAKE-OFF UNIT, EXCH. CLD.
7084-7010	8V-71 POWER TAKE-OFF UNIT, EXCH. CLD.
7084-7200	8V-71 POWER TAKE-OFF UNIT, RAD. CLD.
7084-7201	8V-71 TORQ. CONV. POWER UNIT, RAD. CLD.
7084-7202	8V-71 POWER TAKE-OFF UNIT, EXCH. CLD.
7085-7000	8V-71 GENERATOR SET, RAD. CLD.
7085-7001	8V-71 GENERATOR SET, EXCH. CLD.
7085-7010	8V-71 GENERATOR SET, RAD. CLD.
7085-7200	8V-71 GENERATOR SET, RAD. CLD.
7085-7201	8V-71 GENERATOR SET, EXCH. CLD.

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7120-7000	12V-71 EXCHANGER ENGINE
7122-3000	12V-71 MARINE PROPULSION, PORT UNIT
7122-3001	12V-71 MARIN PROPULSION, PORT UNIT WORKBOAT
7122-3002	12V-71 MARINE PROP., PORT UNIT
7122-3200	12V-71 MARINE PROP., PORT UNIT
7122-3201	12V-71 MARINE PROPULSION, PORT UNIT WORKBOAT
7122-3300	12V-71 MARINE PROP., PORT UNIT
7122-3301	12V-71 MARINE PROP., PORT UNIT
7122-3302	12V-71 MARINE PROP., PORT UNIT
7122-3399	12V-71 MARINE PROP., PORT UNIT TURBO.
7122-7000	12V-71 MARINE PROP., STBD. UNIT
7122-7001	12V-71 MARINE PROP., STBD. UNIT WORKBOAT
7122-7002	12V-71 MARINE PROP., STBD. UNIT
7122-7101	12V-71 MARINE PROP., STBD. UNIT WORKBOAT
7122-7200	12V-71 MARINE PROP., STBD. UNIT
7122-7201	12V-71 MARINE PROPULSION, STBD. UNIT WORKBOAT
7122-7300	12V-71 MARINE PROP., STBD. UNIT
7122-7301	12V-71 MARINE PROP., STBD. UNIT
7122-7302	12V-71 MARINE PROPULSION, STBD. UNIT
7122-7303	12V-71 MARINE PROP., PORT & STBD. UNIT
7122-7399	12V-71 MARINE PROP., STBD. UNIT
7123-3000	12V-71 FAN TO FLYWHEEL, INDUSTRIAL
7123-3009	12V-71 FAN TO FLYWHEEL, DIST. STD. MARINE UNIT
7123-3200	12V-71 FAN TO FLYWHEEL INDUSTRIAL
7123-3300	12V-71 FAN TO FLYWHEEL, TURBO
7123-3309	12V-71 FAN TO FLYWHEEL, DIST. STD. MARINE TURBO. INT. CLD.
7123-7000	12V-71 FAN TO FLYWHEEL INDUSTRIAL
7123-7001	12V-71 FAN TO FLYWHEEL, TORQ. CONV. UNIT
7123-7005	12V-71 FAN TO FLYWHEEL, GENERATOR SET
7123-7008	12V-71 FAN TO FLYWHEEL DIST. STD. INDUST. UNIT
7123-7009	12V-71 FAN TO FLYWHEEL, DIST. STD. MAR. UNIT
7123-7030	12V-71 FAN TO FLYWHEEL, INDUSTRIAL
7123-7031	12V-71 FAN TO FLYWHEEL, INDUSTRIAL
7123-7032	12V-71 FAN TO FLYWHEEL, GENERATOR SET
7123-7086	12V-71 FAN TO FLYWHEEL INDUSTRIAL
7123-7100	12V-71 FAN TO FLYWHEEL IND. 2 VLV. CYL. HD.
7123-7101	12V-71 FAN TO FLYWHEEL IND., 2 VLV. CYL. HD.
7123-7130	12V-71 FAN TO FLYWHEEL, IND., 2 VLV. CYL. HD.
7123-7200	12V-71 FAN TO FLYWHEEL, INDUSTRIAL
7123-7201	12V-71 FAN TO FLYWHEEL, TORQ. CONV. UNIT
7123-7230	12V-71 FAN TO FLYWHEEL INDUSTRIAL
7123-7300	12V-71 FAN TO FLYWHEEL, TURBO.
7123-7305	12V-71 FAN TO FLYWHEEL, TURBO.
7123-7308	12V-71 FAN TO F/W, DIST. STD. INDUST. TURBO.
7123-7309	12V-71 FAN TO F/W, DIST. STD. MARINE TURBO. INT. CLD.
7123-7330	12V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO.
7123-7331	12V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO.
7123-7394	12V71 FAN TO FLYWHEEL TURBO
7123-7396	12V-71 FAN TO FLYWHEEL, TURBO.
7123-7397	12V-71 FAN TO FLYWHEEL TURBO.
7123-7400	12V71 FAN TO FLYWHEEL INDUSTRIAL, TURBO AFTERCOOLED
7123-7430	12V71 FAN TO FLYWHEEL, TURBO AFTERCOOLED
7123-7697	12V71 FAN TO FLYWHEEL
7123-7700	12V-71 FAN TO FLYWHEEL INDUSTRIAL TURBO
7123-7786	12V-71 FAN TO FLYWHEEL INDUSTRIAL TURBO.
7123-7787	12V-71 FAN TO FLYWHEEL, INDUSTRIAL TURBO
7124-7000	12V-71 POWER TAKE-OFF UNIT, RAD. CLD.
7124-7001	12V-71 TORQ. CONV. UNIT, RAD. CLD.
7124-7002	12V-71 POWER TAKE-OFF UNIT, EXCH. CLD.
7124-7200	12V-71 POWER TAKE-OFF, RAD. CLD.
7124-7201	12V-71 TORQ. CONV. POWER UNIT, RAD. CLD.
7124-7202	12V-71 POWER TAKE-OFF UNIT HEAT EXCH. CLD.
7124-7312	12V71 HEAT EXCHANGER COOLED POWER BASE UNIT, TURBO, 4 VLV HD.
7125-7000	12V-71 GENERATOR SET, RAD. CLD.
7125-7001	12V-71 GENERATOR SET, EXCH. CLD.
7125-7030	12V-71 GENERATOR SET, RAD. CLD.
7125-7200	12V-71 GENERATOR SET, RAD. CLD.
7125-7201	12V-71 GENERATOR SET, RAD. CLD.
7125-7386	12V71 FAN TO FLYWHEEL, TURBO., HINDUSTAN MOTORS LTD.

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7160-7000	16V-71 EXCHANGE ENGINE
7162-3000	16V-71 MARINE PROPULSION, PORT UNIT
7162-7000	16V-71 MARINE PROPULSION, STBD. UNIT
7162-7200	16V-71 MARINE PROP., PORT OR STBD. UNIT
7163-3000	16V-71 FAN TO FLYWHEEL, INDUSTRIAL
7163-3200	16V-71 FAN TO FLYWHEEL, INDUSTRIAL
7163-7000	16V-71 FAN TO FLYWHEEL, INDUSTRIAL
7163-7005	16V-71 FAN TO F/W, GENERATOR SET
7163-7030	16V-71 FAN TO FLYWHEEL, INDUSTRIAL
7163-7086	16V-71 FAN TO FLYWHEEL, GEN SET
7163-7087	16V-71 FAN TO FLYWHEEL, INDUSTRIAL.
7163-7200	16V-71 FAN TO FLYWHEEL, INDUSTRIAL
7163-7230	16V-71 FAN TO FLYWHEEL, INDUSTRIAL
7163-7300	16V-71 FAN TO FLYWHEEL, TURBO.
7163-7301	16V-71 FAN TO F/W, TURBO INTCLD.
7163-7304	16V71 FAN TO FLYWHEEL TURBO
7163-7305	16V-71 FAN TO FLYWHEEL, TURBO.
7163-7330	16V-71 FAN TO F/W, INDUSTRIAL TURBO.
7163-7386	16V-71 FAN TO FLYWHEEL GEN. SET TURBO.
7163-7400	16V71 FAN TO FLYWHEEL, INDUSTRIAL, TURBO AFTERCOOLED
7164-7002	16V-71 POWER TAKE-OFF UNIT, EXCH. CLD.
7164-7102	16V-71 POWER TAKE-OFF UNIT, EXCH. CLD.

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7242-0200	24V-71 PORT MARINE PROP. UNIT TANDEM TWIN
7242-9000	24V-71 STBD. MARINE PROP. UNIT, TANDEM TWIN
7242-9200	24V-71 STBD. MARINE PROP. UNIT, TANDEM TWIN

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7322-0000	32V-71 PORT MARINE DROP UNIT, TANDEM TWIN
7322-9000	32V-71 PORT MARINE PROP. UNIT TANDEM TWIN

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	34
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	32
CRANKSHAFT	1.3000	23
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	18
ACCESSORY DRIVE (SHAFT ONLY)	1.7000B	80
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR N60	2.1000A	78
FUEL PUMP	2.2000	71
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	777
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	95
BLOWER	3.4000	65
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	73
OIL DISTRIBUTION SYSTEM	4.1000B	201
OIL PRESSURE REGULATOR	4.1000C	10
OIL COOLER	4.4000A	422
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	357
OIL PAN	4.7000A	164
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	49
THERMOSTAT	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	37
AIR BOX DRAINS WATER BELOW PORT BLOCK	1.1000A	103
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	23
CRANKSHAFT PULLEY	1.3000C	204
FLYWHEEL (REFER TO HYDRAULIC MARINE GEAR SECTION 9.1000A)	1.4000A	
FLYWHEEL HOUSING (SAE #2)	1.5000A	484
CONNECTING ROD AND PISTON THRU 6VA-34892	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 6VA-34893	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	42
BALANCE WEIGHT COVER THRU 6VA-58224	1.7000A	19
BALANCE WEIGHT COVER EFF. WITH 6VA-58225	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR N55	2.1000A	77
FUEL PUMP THRU 6VA-61547	2.2000	71
FUEL PUMP EFF. WITH 6VA-61548 AND THRU 6VA-114881	2.2000	126
FUEL PUMP EFF. WITH 6VA-114882	2.2000	174
FUEL FILTER	2.3000A	628
FUEL MANIFOLD CONNECTIONS	2.4000	52
FUEL LINES	2.5000A	983
GOVERNOR, MECHANICAL	2.7000A	749
INJECTOR CONTROLS	2.9000	95
THROTTLE CONTROLS	2.9000A	468
AIR SILENCER	3.2000A	24
AIR INLET HOUSING	3.3000A	227
BLOWER THRU 6VA-98084	3.4000	88
BLOWER EFF. WITH 6VA-98085	3.4000	239
BLOWER DRIVE SHAFT (WITH EATON PUMP) THRU 6VA-50621	3.4000A	18
BLOWER DRIVE SHAFT (WITH HYDRECO PUMP) EFF. WITH 6VA-50622	3.4000A	21
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	191
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	123
OIL FILTER LINES	4.3000A	86
OIL COOLER (ENGINE)	4.4000A	375
OIL COOLER (MARINE GEAR)	4.4000A	293
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	351
OIL PAN	4.7000A	144
VENTILATING SYSTEM	4.8000A	603
FRESH WATER PUMP	5.1000	49
THERMOSTAT	5.2000B	78
WATER BY-PASS TUBE	5.2000C	142
WATER CONNECTIONS	5.3000B	124
HEAT EXCHANGER	5.5000A	286
RAW WATER PUMP THRU 6VA-57904	5.6000A	28
RAW WATER PUMP EFF. WITH 6VA-57905	5.6000A	62
WATER FILTER	5.7000A	15
EXHAUST MANIFOLD	6.1000A	129
EXHAUST MUFFLER FLANGE	6.2000A	180
BATTERY CHARGING GENERATOR 12V., 25 AMP.	7.1000A	1806
STARTING MOTOR 12V.	7.3000A	17
INSTRUMENTS	7.4000A	842
TACHOMETER DRIVE	7.4000B	540
TACHOMETER DRIVE CABLE	7.4000B	538
HYDRAULIC MARINE GEAR	9.1000A	355
HYDRAULIC MARINE GEAR PUMP	9.1000A	797
ENGINE MOUNTS	11.1000A	345

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	37
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	23
CRANKSHAFT PULLEY	1.3000C	262
FLYWHEEL (PART OF HYDRAULIC MARINE GEAR 9.1000A)	1.4000A	
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 6VA-6301	1.5000A	187
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	42
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP (3/8" FUEL LINE) THRU 6VA-27146	2.2000	8
FUEL PUMP (1/2" FUEL LINE) EFF. WITH 6VA-27147	2.2000	71
FUEL FILTER (3/8" FUEL LINE) STD. EQUIP. PRIOR TO 6VA-15546	2.3000A	172
FUEL FILTER (1/2" FUEL LINE)	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" FUEL LINE) STD. EQUIP. PRIOR TO 6VA-15546	2.5000A	428
FUEL LINE (1/2" FUEL LINE)	2.5000A	755
GOVERNOR - MECHANICAL	2.7000A	749
INJECTOR CONTROLS	2.9000	95
THROTTLE CONTROLS	2.9000A	468
AIR SILENCER	3.2000A	24
AIR INLET HOUSING	3.3000A	227
BLOWER	3.4000	65
BLOWER DRIVE SHAFT	3.4000A	21
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	191
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	123
OIL FILTER LINES	4.3000A	86
OIL COOLER (ENGINE OIL)	4.4000A	266
OIL COOLER (MARINE GEAR OIL)	4.4000A	293
OIL FILLER CAP	4.5000A	46
DIPSTICK	4.6000A	351
OIL PAN (0-15 DEG. INCLINATION)	4.7000A	144
VENTILATING SYSTEM	4.8000A	225
FRESH WATER PUMP	5.1000	49
THERMOSTAT	5.2000B	78
WATER BY-PASS TUBE	5.2000C	142
WATER CONNECTIONS	5.3000B	124
HEAT EXCHANGER COOLING	5.5000A	286
RAW WATER PUMP	5.6000A	63
WATER FILTER	5.7000A	15
EXHAUST MANIFOLD	6.1000A	129
EXHAUST MUFFLER FLANGE	6.2000A	180
BATTERY CHARGING GENERATOR 12V., 25 AMP.	7.1000A	645
STARTING MOTOR 12V	7.3000A	17
INSTRUMENT PANEL (15' CAPILLARY)	7.4000A	220
TACHOMETER DRIVE	7.4000B	24
TACHOMETER DRIVE (5' CABLE)	7.4000B	11
HYDRAULIC MARINE GEAR	9.1000A	355
ENGINE MOUNTING	11.1000A	345

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	206
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	102
CRANKSHAFT	1.3000	54
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 6VA-134456	1.6000	283
CONNECTING ROD AND PISTON EFF. WITH 6VA-134457	1.6000	298
CAMSHAFT AND GEAR TRAIN	1.7000	594
BALANCE WEIGHT COVER	1.7000A	•
ACCESSORY DRIVE	1.7000B	•
VALVE OPERATING MECHANISM	1.8000	300
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	292
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6VA-136963	3.4000	514
BLOWER, EFF. WITH 6VA-136964; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	563
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	54
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	28
OIL FILTER	4.2000A	•
OIL LINES	4.3000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	238
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	•
EXHAUST MANIFOLD; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	536
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
TACHOMETER DRIVE	7.4000B	•
MARINE GEAR	9.1000A	•
MARINE GEAR PUMP	9.1000A	970
ENGINE MOUNTING	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
AIR BOX DRAINS	1.1000A	125
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	54
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL PART OF HYDRAULIC MARINE GEAR 9.1000A	1.4000A	
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 6VA-34891	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 6VA-34892; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	•
FUEL INJECTOR N55	2.1000A	•
FUEL PUMP (3/8" FUEL LINE) THRU 6VA-27146	2.2000	8
FUEL PUMP (1/2" FUEL LINE) EFF. WITH 6VA-27147 AND THRU 6VA-61547	2.2000	71
FUEL PUMP EFF. WITH 6VA-61548 AND THRU 6VA-114881	2.2000	126
FUEL PUMP EFF. WITH 6VA-114882	2.2000	174
FUEL FILTER (3/8" FUEL LINE) STD. EQUIP. PRIOR TO 6VA-15546	2.3000A	628
FUEL FILTER (1/2" FUEL LINE)	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	52
FUEL LINES (3/8" FUEL LINE) STD. EQUIP. PRIOR TO 6VA-15546	2.5000A	428
FUEL LINES (1/2" FUEL LINE)	2.5000A	•
GOVERNOR - MECHANICAL	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	241
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6VA-98084	3.4000	88
BLOWER EFF. WITH 6VA-98085 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	239
BLOWER	3.4000	•
BLOWER DRIVE SHAFT (WITH EATON PUMP) THRU 6VA-50621	3.4000A	18
BLOWER DRIVE SHAFT (WITH HYDRECO PUMP) EFF. WITH 6VA-50622	3.4000A	21
OIL PUMP THRU 6VA-62000	4.1000A	56
OIL PUMP EFF. WITH 6VA-62001	4.1000A	136
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 6VA-129945	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 6VA-129946	4.1000C	28
OIL FILTER THRU 6VA-83175	4.2000A	123
OIL FILTER EFF. WITH 6VA-83176 AND THRU 6VA-118168	4.2000A	297
OIL FILTER EFF. WITH 6VA-118169	4.2000A	389
OIL FILTER LINES	4.3000A	86
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL COOLER (ENGINE OIL)	4.4000A	•
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	175
THERMOSTAT	5.2000B	•
WATER BY/PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	142
WATER BY/PASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 6VA-127919	5.3000B	124
WATER CONNECTIONS EFF. WITH 6VA-127920; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	370
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER COOLING	5.5000A	•
RAW WATER PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.6000A	28
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	174
EXHAUST MANIFOLD THRU 6VA-127919	6.1000A	129
EXHAUST MANIFOLD EFF. WITH 6VA-127920	6.1000A	531
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
STARTING MOTOR	7.3000A	•
INSTRUMENT PANEL	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
TACHOMETER DRIVE	7.4000B	•
HYDRAULIC MARINE GEAR	9.1000A	•
HYDRAULIC MARINE GEAR OIL PUMP	9.1000A	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
AIR BOX DRAINS	1.1000A	37
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	23
CRANKSHAFT PULLEY	1.3000C	262
FLYWHEEL (PART OF HYDRAULIC MARINE GEAR 9.1000A)	1.4000A	0
FLYWHEEL HOUSING (SAE #2) STD. EQUIP. PRIOR TO 6VA-6301	1.5000A	187
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER (WITH OIL FILLER TUBE)	1.8000A	43
FUEL INJECTOR, S55	2.1000A	44
FUEL PUMP (WITH 3/8" FUEL INLET LINE) THRU 6VA-27146	2.2000	8
FUEL PUMP (WITH 1/2" FUEL INLET LINE) EFF. WITH 6VA-27147	2.2000	71
FUEL FILTER	2.3000A	172
FUEL FILTER	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" FUEL INLET LINE) STD. EQUIP. PRIOR TO 6VA-15546	2.5000A	428
FUEL LINES (1/2" FUEL INLET)	2.5000A	755
GOVERNOR, MECHANICAL (VARIABLE SPEED)	2.7000A	749
INJECTOR CONTROLS	2.9000	95
THROTTLE CONTROLS (VARIABLE SPEED GOVERNOR, WITH BOOSTER SPRING)	2.9000A	468
AIR SILENCER	3.2000A	24
AIR INLET HOUSING	3.3000A	227
BLOWER	3.4000	65
BLOWER DRIVE SHAFT	3.4000A	21
OIL PUMP	4.1000A	56
OIL PRESSURE REGULATOR (DEEP OIL PAN, 15 DEG. INCLINATION)	4.1000C	10
OIL FILTER (FULL FLOW)	4.2000A	123
OIL FILTER LINES	4.3000A	86
OIL COOLER (MARINE GEAR AND OIL LINES WITH OIL FILTER)	4.4000A	293
OIL COOLER (ENGINE)	4.4000A	266
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK (DEEP OIL PAN, 15 DEG. INCLINATION)	4.6000A	351
OIL PAN (DEEP, 15 DEG. INCLINATION)	4.7000A	144
VENTILATING SYSTEM	4.8000A	225
FRESH WATER PUMP	5.1000	49
THERMOSTAT	5.2000B	78
WATER BY-PASS TUBE	5.2000C	142
WATER CONNECTIONS	5.3000B	124
HEAT EXCHANGER	5.5000A	286
RAW WATER PUMP (WITH HEAT EXCHANGER COOLING)	5.6000A	28
WATER FILTER (30 GAL. SYSTEM CAPACITY, HEAT EXCHANGER COOLING)	5.7000A	15
EXHAUST MANIFOLD	6.1000A	129
EXHAUST MUFFLER FLANGE (3" P.T.)	6.2000A	180
BATTERY CHARGING GENERATOR 12V., 125 AMP., CAMSHAFT DRIVEN	7.1000A	645
STARTING MOTOR 12V	7.3000A	15
INSTRUMENT PANEL (SINGLE, 15" CAPILLARY, MECHANICAL)	7.4000A	220
TACHOMETER DRIVE (SINGLE OUTLET ADAPTOR)	7.4000B	24
TACHOMETER DRIVE (5' CABLE)	7.4000B	11
HYDRAULIC MARINE GEAR (2:1 RATIO) (M-GEAR)	9.1000A	354
ENGINE MOUNTS	11.1000A	345

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	206
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	102
CRANKSHAFT	1.3000	54
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL PART OF HYDRAULIC MARINE GEAR 9.1000A	1.4000A	NONE
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	283
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	453
BALANCE WEIGHT COVER	1.7000A	•
ACCESSORY DRIVE	1.7000B	•
VALVE OPERATING MECHANISM	1.8000	237
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	174
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	•
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	28
OIL FILTER LINES	4.3000A	•
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE)	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	238
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
TACHOMETER DRIVE	7.4000B	•
HYDRAULIC MARINE GEAR	9.1000A	•
HYDRAULIC MARINE GEAR PUMP	9.1000A	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	206
AIR BOX DRAINS	1.1000A	125
CYLINDER HEAD	1.2000	102
CRANKSHAFT	1.3000	54
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	246
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	202
ROCKER COVER	1.8000A	•
FUEL INJECTOR (7N95)	2.1000A	197
FUEL PUMP	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	292
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	246
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	18
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	136
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 6VA-129945	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 6VA-129946	4.1000C	28
OIL FILTER	4.2000A	•
OIL FILTER LINES	4.3000A	•
OIL COOLER (ENGINE)	4.4000A	509
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	175
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	142
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER COOLING	5.5000A	•
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	•
EXHAUST MANIFOLD	6.1000A	536
EXHAUST MUFFLER	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
TACHOMETER DRIVE	7.4000B	•
SHUT-OFF OR ALARM SYSTEM	7.4000C	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	167
AIR BOX DRAINS	1.1000A	•
AIR BOX DRAINS (WATER BELOW PORT) BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	103
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD THRU 6VA-64136	1.2000	27
CYLINDER HEAD EFF. WITH 6VA-64137	1.2000	100
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	54
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 6VA-34891	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 6VA-34892; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	370
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	200
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP (WITH 3/8" INLET LINES) STD. EQUIP. PRIOR TO 6VA-27787	2.2000	8
FUEL PUMP (WITH 1/2" INLET LINES)	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	65
BLOWER	3.4000	240
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU JULY, 1972	5.1000	49
FRESH WATER PUMP EFF. WITH AUGUST, 1972	5.1000	175
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	136
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	1254
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR 12V	7.3000A	17
INSTRUMENTS	7.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	103
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	102
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 6VA-61400	1.3000	23
CRANKSHAFT EFF. WITH 6VA-61401	1.3000	54
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 6VA-92695	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 6VA-92696; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	38
CAMSHAFT AND GEAR TRAIN	1.7000	42
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	201
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS THRU 6VA-63261	2.9000	135
INJECTOR CONTROLS EFF. WITH 6VA-63262 AND THRU 6VA-74182	2.9000	201
INJECTOR CONTROLS EFF. WITH 6VA-74183 AND THRU 6VA-91227	2.9000	225
INJECTOR CONTROLS EFF. WITH 6VA-91228; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	248
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6VA-98266	3.4000	171
BLOWER EFF. WITH 6VA-98267	3.4000	246
BLOWER DRIVE SHAFT	3.4000A	18
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE)	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP THRU 6VA-65089	5.1000	49
FRESH WATER PUMP EFF. WITH 6VA-65090	5.1000	175
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	136
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
TACHOMETER DRIVE	7.4000B	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	167
AIR BOX DRAINS	1.1000A	•
AIR BOX DRAINS WATER BELOW PORT BLOCK STD EQUIP. PRIOR TO BEING SHOWN ON OPT. PL.	1.1000A	103
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD THRU 6VA-64136	1.2000	27
CYLINDER HEAD EFF. WITH 6VA-64137	1.2000	100
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	54
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 6VA-34891	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 6VA-34892; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP (WITH 3/8" INLET LINES) STD. EQUIP. PRIOR TO 6VA-27787	2.2000	8
FUEL PUMP (WITH 1/2" INLET LINES)	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6VA-98084	3.4000	88
BLOWER EFF. WITH 6VA-98085 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	240
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU JULY, 1972	5.1000	49
FRESH WATER PUMP EFF. WITH AUGUST, 1972	5.1000	175
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	136
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 6VA-113175	1.1000A	103
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 6VA-113176	1.1000A	125
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	32
CRANKSHAFT	1.3000	23
CRANKSHAFT PULLEY	1.3000C	113
CRANKSHAFT PULLEY BELT	1.3000D	100
FLYWHEEL (REFER TO TORQUE CONVERTER TYPE)	1.4000A	
FLYWHEEL HOUSING	1.5000A	188
CONNECTING ROD AND PISTON THRU 6VA-34891	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 6VA-34892	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	330
FUEL INJECTOR N60	2.1000A	78
FUEL PUMP (WITH 1/2" INLET LINE) THRU 6VA-61547	2.2000	71
FUEL PUMP EFF. WITH 6VA-61548 AND THRU 6VA-114881	2.2000	126
FUEL PUMP EFF. WITH 6VA-114882	2.2000	174
FUEL FILTER	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	755
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	95
AIR INLET HOUSING	3.3000A	258
BLOWER THRU 6VA-98084	3.4000	88
BLOWER EFF. WITH 6VA-98085	3.4000	240
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP THRU 6VA-62000	4.1000A	56
OIL PUMP EFF. WITH 6VA-62001	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	438
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	244
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	348
OIL PAN (10 DEG. INCLINATION)	4.7000A	164
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP THRU 6VA-65089	5.1000	49
FRESH WATER PUMP EFF. WITH 6VA-65090	5.1000	175
THERMOSTAT	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136
FAN	5.4000A	1247
EXHAUST MANIFOLD	6.1000A	229
EXHAUST MUFFLER FLANGE	6.2000A	234
BATTERY CHARGING GENERATOR 12V., 25 AMP.	7.1000A	1301
STARTING MOTOR 12V.	7.3000A	15
INSTRUMENTS (ENGINE)	7.4000A	102
INSTRUMENTS (TORQUE CONVERTER)	7.4000A	124
TORQUE CONVERTER	8.3000A	419
TORQUE CONVERTER LINES	8.3000B	175

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS THRU 6VA-113175	1.1000A	103
AIR BOX DRAINS EFF. WITH 6VA-113176	1.1000A	125
CYLINDER HEAD	1.2000	100
ENGINE LIFTER BRACKET	1.2000A	32
CRANKSHAFT	1.3000	54
CRANKSHAFT FRONT COVER	1.3000A	44
CRANKSHAFT PULLEY	1.3000C	113
CRANKSHAFTPULLEY BELT	1.3000D	78
FLYWHEEL	1.4000A	87
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	38
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	93
FUEL INJECTOR N60	2.1000A	78
FUEL PUMP	2.2000	174
FUEL FILTER	2.3000A	338
FUEL LINES	2.5000A	1237
GOVERNOR, MECHANICAL	2.7000A	542
INJECTOR CONTROLS	2.9000	116
AIR INLET HOUSING	3.3000A	224
BLOWER	3.4000	65
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	438
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	572
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	348
OIL PAN	4.7000A	164
VENTILATING SYSTEM	4.8000A	348
VENTILATING SYSTEM (ON ROCKER COVER)	4.800A	358
FRESH WATER PUMP	5.1000	175
THERMOSTAT	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136
FAN	5.4000A	1242
EXHAUST MANIFOLD	6.1000A	229
STARTING MOTOR	7.3000A	15
SHUT-OFF	7.4000C	590

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS THRU 6VA-113175	1.1000A	103
AIR BOX DRAINS EFF. WITH 6VA-113176	1.1000A	125
CYLINDER HEAD	1.2000	100
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSAHFT	1.3000	54
FLYWHEEL	1.4000A	170
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON THRU 6VA-34891	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 6VA-34891	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	144
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR N55	2.1000A	177
FUEL PUMP THRU 6VA-114881	2.2000	126
FUEL PUMP EFF. WITH 6VA-114882	2.2000	174
FUEL FILTER	2.3000A	360
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1265
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	95
AIR INLET HOUSING STD. EQUIP. PRIOR TO 6VA-95114	3.3000A	258
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6VA-98084	3.4000	88
BLOWER EFF. WITH 6VA-98085	3.4000	240
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	131
OIL DISTRIBUTION SYSTEM THRU 6VA-90813	4.1000B	201
OIL DISTRIBUTION SYSTEM EFF. WITH 6VA-90814	4.1000B	438
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	572
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	348
OIL PAN	4.7000A	182
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	175
THERMOSTAT	5.2000B	94
WATER BY-PASS TUBE	5.2000C	142
EXHAUST MANIFOLD	6.1000A	229
STARTING MOTOR 12V	7.3000A	15

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS STD EQUIP PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	103
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	23
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 6VA-34892	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 6VA-34893; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 6VA-134986	1.8000	24
VALVE OPERATING MECHANISM EFF. WITH 6VA-134987	1.8000	258
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL MANIFOLD CONNECTIONS	2.4000	52
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS THRU 6VA-106460	2.9000	95
INJECTOR CONTROLS EFF. WITH 6VA-106461 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	241
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6VA-98084	3.4000	88
BLOWER EFF. WITH 6VA-98085 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	240
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
EXHAUST MANIFOLD	6.1000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	167
AIR BOX DRAINS	1.1000A	143
CYLINDER HEAD	1.2000	100
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	54
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	44
ACCESSORY DRIVE	1.7000B	•
VALVE OPERATING MECHANISM THRU 6VA-134986	1.8000	24
VALVE OPERATING MECHANISM EFF. WITH 6VA-134987	1.8000	258
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	131
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	241
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	240
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	28
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER-ROCKER COVER	4.5000A	•
DIPSTICK	4.6000A	109
OIL PAN	4.7000A	382
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	175
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	229
EXHAUST MUFFLER	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
ENGINE MOUNTING	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	106
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	32
CRANKSHAFT	1.3000	23
FLYWHEEL (REFER TO TORQUE CONVERTER SECTION 8.3000A)	1.4000A	
FLYWHEEL HOUSING (SAE #2)	1.5000A	192
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR N70	2.1000A	80
FUEL PUMP THRU 6VA-61547	2.2000	8
FUEL PUMP EFF. WITH 6VA-61548	2.2000	126
FUEL FILTER	2.3000A	354
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	771
GOVERNOR, MECHANICAL STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.7000A	1054
INJECTOR CONTROLS	2.9000	95
INJECTOR CONTROLS (LOAD LIMITING DEVICE)	2.9000	169
THROTTLE CONTROLS	2.9000A	468
AIR INLET HOUSING	3.3000A	323
BLOWER	3.4000	65
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP THRU 6VA-62000	4.1000A	56
OIL PUMP EFF. WITH 6VA-62001	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	193
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	234
OIL FILTER LINES	4.3000A	87
OIL COOLER	4.4000A	244
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	456
OIL PAN	4.7000A	346
VENTILATING SYSTEM	4.8000A	425
FRESH WATER PUMP THRU 6VA-65089	5.1000	49
FRESH WATER PUMP EFF. WITH 6VA-65090	5.1000	175
THERMOSTAT	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136
EXHAUST MANIFOLD	6.1000A	264
BATTERY CHARGING GENERATOR 24V., 40 AMP.	7.1000A	1339
STARTING MOTOR 24V.	7.3000A	208
TORQUE CONVERTER	8.3000A	456
ENGINE MOUNTS	11.1000A	336
COLD WEATHER STARTING AID	12.6000C	37

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	34
AIR BOX DRAINS WATER BELOW PORT BLOCK	1.1000A	103
CYLINDER HEAD	1.2000	41
ENGINE LIFTER BRACKET	1.2000A	32
CRANKSHAFT	1.3000	23
CRANKSHAFT PULLEY	1.3000C	113
CRANKSHAFT PULLEY BELT	1.3000D	99
FLYWHEEL	1.4000A	170
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	37
ROCKER COVER	1.8000A	43
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP (WITH 3/8" INLET LINES) STD. EQUIP. PRIOR TO 6VA-27787	2.2000	8
FUEL PUMP (WITH 1/2" INLET LINES) THRU 6VA-61547	2.2000	71
FUEL PUMP EFF. WITH 6VA-61548	2.2000	126
FUEL FILTER	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1213
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	95
AIR INLET HOUSING	3.3000A	258
BLOWER	3.4000	65
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	201
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	572
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	348
OIL PAN (10 DEG. INCLINATION)	4.7000A	164
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 6VA-12329	4.8000A	203
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	49
THERMOSTAT	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136
FAN	5.4000A	301
EXHAUST MANIFOLD	6.1000A	229
EXHAUST MUFFLER FLANGE	6.2000A	234
BATTERY CHARGING GENERATOR 12V., 25 AMP.	7.1000A	1824
STARTING MOTOR 12V.	7.3000A	15
INSTRUMENTS	7.4000A	21

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	34
AIR BOX DRAINS WATER BELOW PORT BLOCK	1.1000A	103
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	32
CRANKSHAFT	1.3000	23
CRANKSHAFT PULLEY	1.3000C	113
CRANKSHAFT PULLEY BELT	1.3000D	99
FLYWHEEL	1.4000A	170
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP (WITH 3/8" INLET LINES) STD. EQUIP. PRIOR TO 6VA-27787	2.2000	8
FUEL PUMP (WITH 1/2" INLET LINES)	2.2000	126
FUEL FILTER	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	755
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS STD. EQUIP. PRIOR TO 6VA-312	2.9000	95
AIR INLET HOUSING	3.3000A	258
BLOWER THRU 6VA-52001	3.4000	65
BLOWER EFF. WITH 6VA-52002	3.4000	88
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	201
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	422
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	348
OIL PAN (10 DEG. INCLINATION)	4.7000A	164
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 6VA-12329	4.8000A	203
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	49
THERMOSTAT STD. EQUIP. PRIOR TO 6VA-312	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136
FAN	5.4000A	301
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6VA-312	6.1000A	229
EXHAUST MUFFLER FLANGE	6.2000A	234
BATTERY CHARGING GENERATOR 12V., 25 AMP.	7.1000A	1301
STARTING MOTOR 12V.	7.3000A	15
INSTRUMENTS	7.4000A	21

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	34
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 6VA-869	1.2000A	32
CRANKSHAFT	1.3000	23
CRANKSHAFT PULLEY	1.3000C	113
CRANKSHAFT PULLEY BELT SET	1.3000D	100
FLYWHEEL REFER TO TORQUE CONVERTER TYPE	1.4000A	
FLYWHEEL HOUSING (SAE #1)	1.5000A	192
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR S60	2.1000A	42
FUEL PUMP (3/8" FUEL LINE) STD. EQUIP. PRIOR TO 6VA-27787	2.2000	8
FUEL PUMP (1/2" FUEL LINE)	2.2000	126
FUEL FILTER	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	755
GOVERNOR - MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	95
AIR INLET HOUSING	3.3000A	258
BLOWER	3.4000	65
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	201
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	244
OIL FILLER CAP	4.5000A	46
DIPSTICK	4.6000A	348
OIL PAN (10 DEG. INCLINATION)	4.7000A	164
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	49
THERMOSTAT STD. EQUIP. PRIOR TO 6VA-4082	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136
FAN	5.4000A	342
EXHAUST MANIFOLD	6.1000A	229
EXHAUST MUFFLER FLANGE	6.2000A	234
BATTERY CHARGING GENERATOR 12V., 25 AMP.	7.1000A	1301
STARTING MOTOR 12V	7.3000A	15
INSTRUMENT PANEL ENGINE	7.4000A	102
INSTRUMENT PANEL TORQUE CONVERTER	7.4000A	124
TORQUE CONVERTER	8.3000A	431
TORQUE CONVERTER LINES	8.3000B	175

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	106
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	32
CRANKSHAFT	1.3000	23
FLYWHEEL REFER TO TORQUE CONVERTER TYPE	1.4000A	
FLYWHEEL HOUSING (SAE #1)	1.5000A	192
CONNECTING ROD AND PISTON	1.6000	50
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER THRU 6VA-114114	1.7000A	18
BALANCE WEIGHT COVER EFF. WITH 6VA-114115	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR S70	2.1000A	45
FUEL PUMP THRU 6VA-61547	2.2000	8
FUEL PUMP EFF. WITH 6VA-61548	2.2000	126
FUEL FILTER	2.3000A	354
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	771
GOVERNOR, MECHANICAL	2.7000A	749
INJECTOR CONTROLS	2.9000	95
THROTTLE CONTROLS	2.9000A	468
AIR INLET HOUSING	3.3000A	323
BLOWER	3.4000	65
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP THRU 6VA-62000	4.1000A	56
OIL PUMP EFF. WITH 6VA-62001	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	193
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	234
OIL FILTER LINES	4.3000A	87
OIL COOLER	4.4000A	244
OIL FILLER CAP	4.5000A	46
DIPSTICK	4.6000A	456
OIL PAN (45 DEG. INCLINATION)	4.7000A	346
VENTILATING SYSTEM	4.8000A	425
FRESH WATER PUMP	5.1000	49
THERMOSTAT	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136
EXHAUST MANIFOLD	6.1000A	264
BATTERY CHARGING GENERATOR 24V., 40 AMP.	7.1000A	1339
STARTING MOTOR 24V.	7.3000A	208
TACHOMETER DRIVE	7.4000B	1
TORQUE CONVERTER	8.3000A	368
ENGINE MOUNTS	11.1000A	336
COLD WEATHER STARTING AID	12.6000C	37

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	103
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	102
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 6VA-61400	1.3000	23
CRANKSHAFT EFF. WITH 6VA-61401	1.3000	54
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 6VA-92695	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 6VA-92696; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	38
CAMSHAFT AND GEAR TRAIN	1.7000	155
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	41
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS THRU 6VA-63261	2.9000	135
INJECTOR CONTROLS EFF. WITH 6VA-63262 AND THRU 6VA-74182	2.9000	201
INJECTOR CONTROLS EFF. WITH 6VA-74183 AND THRU 6VA-91227	2.9000	225
INJECTOR CONTROLS EFF. WITH 6VA-91228; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	248
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6VA-98266	3.4000	171
BLOWER EFF. WITH 6VA-98267, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	246
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	18
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE)	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP THRU 6VA-65089	5.1000	49
FRESH WATER PUMP EFF. WITH 6VA-65090	5.1000	175
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	136
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
TACHOMETER DRIVE	7.4000B	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	231
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	102
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	54
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	297
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	258
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	518
BLOWER DRIVE SHAFT	3.4000A	54
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER CAP	4.5000A	•
OIL FILLER TUBE	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
TACHOMETER DRIVE	7.4000B	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS STD EQUIP PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	103
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	102
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	23
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 6VA-59087	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 6VA-59088 AND THRU 6VA-92695	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 6VA-92696; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO 6VA-76903	1.7000	38
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	20
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	41
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS THRU 6VA-63261	2.9000	135
INJECTOR CONTROLS EFF. WITH 6VA-63262 AND THRU 6VA-74182	2.9000	201
INJECTOR CONTROLS EFF. WITH 6VA-74183; STD. EQUIP. PRIOR TO 6VA-076903	2.9000	248
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING THRU 6VA-76907	3.3000A	454
AIR INLET HOUSING EFF. WITH 6VA-76908; STD. EQUIP. PRIOR TO 6VA-084781	3.3000A	522
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6VA-98266	3.4000	171
BLOWER EFF. WITH 6VA-98267, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	453
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	18
TURBOCHARGER STD. EQUIP PRIOR TO 6VA-076903	3.5000A	158
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP STD. EQUIP. PRIOR TO 6VA-69415	5.1000	49
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 6VA-69415	5.2000C	136
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
TACHOMETER DRIVE	7.4000B	•
ENGINE MOUNTS	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	143
CYLINDER HEAD	1.2000	102
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	54
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	174
CAMSHAFT AND GEAR TRAIN	1.7000	155
BALANCE WEIGHT COVER	1.7000A	44
ACCESSORY DRIVE	1.7000B	•
VALVE OPERATING MECHANISM THRU 6VA-134624	1.8000	41
VALVE OPERATING MECHANISM EFF. WITH 6VA-134625	1.8000	258
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	248
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6VA-130994	3.4000	247
BLOWER EFF. WITH 6VA-130995	3.4000	461
BLOWER DRIVE SHAFT	3.4000A	18
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	28
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	121
OIL PAN	4.7000A	382
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	175
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	420
EXHAUST MUFFLER	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	103
CYLINDER HEAD	1.2000	100
ENGINE LIFTER BRACKET	1.2000A	32
CRANKSHAFT	1.3000	54
CRANKSHAFT PULLEY	1.3000C	113
CRANKSHAFT PULLEY BELT	1.3000D	76
FLYWHEEL	1.4000A	391
FLYWHEEL HOUSING (SAE #2)	1.5000A	478
CONNECTING ROD AND PISTON THRU 6VA-034891	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 6VA-034892	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR C65	2.1000A	115
FUEL PUMP	2.2000	126
FUEL FILTER	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	52
FUEL LINES	2.5000A	1289
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	95
AIR INLET HOUSING	3.3000A	258
BLOWER	3.4000	65
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	178
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	572
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	453
OIL PAN	4.7000A	281
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	175
WATER BY-PASS TUBE	5.2000C	136
WATER CONNECTIONS	5.3000B	74
FAN	5.4000A	300
EXHAUST MANIFOLD	6.1000A	420
STARTING MOTOR 24 VOLT	7.3000A	35

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	246
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	54
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 6VA-135387	1.6000	177
CONNECTING ROD AND PISTON EFF. WITH 6VA-135388 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	297
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	41
VALVE OPERATING MECHANISM EFF. WITH 6VA-134625	1.8000	258
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	•
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	518
BLOWER DRIVE SHAFT	3.4000A	54
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	28
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER TUBE	4.5000A	•
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	23
CRANKSHAFT FRONT COVER	1.3000A	19
CRANKSHAFT PULLEY	1.3000C	136
CRANKSHAFT PULLEY BELT	1.3000D	100
FLYWHEEL REFER TO POWER TAKE-OFF ASSEMBLY	1.4000A	
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR N55	2.1000A	77
FUEL PUMP THRU 6VA-61547	2.2000	71
FUEL PUMP EFF. WITH 6VA-61548	2.2000	126
FUEL FILTER	2.3000A	360
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1265
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	95
THROTTLE CONTROLS	2.9000A	567
AIR CLEANER	3.1000A	232
AIR INLET HOUSING	3.3000A	258
BLOWER	3.4000	65
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP THRU 6VA-62000	4.1000A	56
OIL PUMP EFF. WITH 6VA-62001	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	201
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	422
OIL FILLER CAP	4.5000A	46
DIPSTICK	4.6000A	348
OIL PAN (10 DEG. INCLINATION)	4.7000A	182
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	49
THERMOSTAT	5.2000B	94
WATER BY-PASS TUBE	5.2000C	142
RADIATOR	5.3000A	73
WATER CONNECTIONS	5.3000B	151
FAN	5.4000A	342
FAN SHROUD	5.4000B	42
EXHAUST MANIFOLD	6.1000A	229
EXHAUST MUFFLER FLANGE	6.2000A	234
BATTERY CHARGING GENERATOR 12V., 25 AMP.	7.1000A	727
STARTING MOTOR 12V.	7.3000A	15
INSTRUMENTS	7.4000A	854
TACHOMETER DRIVE	7.4000B	568
WIRING HARNESS	7.7000A	297
POWER TAKE-OFF	8.1000A	129
ENGINE HOODS	10.1000A	106
ENGINE MOUNTS	11.1000A	341
ENGINE BASE	11.1000A	376

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	103
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	23
CRANKSHAFT PULLEY	1.3000C	136
CRANKSHAFT PULLEY BELT	1.3000D	100
FLYWHEEL (REFER TO TORQUE CONVERTER TYPE)	1.4000A	
FLYWHEEL HOUSING (SAE #1)	1.5000A	192
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR N60	2.1000A	78
FUEL PUMP THRU 6VA-61547	2.2000	71
FUEL PUMP EFF. WITH 6VA-61548	2.2000	126
FUEL FILTER	2.3000A	360
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1265
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	95
THROTTLE CONTROLS	2.9000A	567
AIR CLEANER	3.1000A	232
AIR INLET HOUSING	3.3000A	258
BLOWER	3.4000	88
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP THRU 6VA-62000	4.1000A	56
OIL PUMP EFF. WITH 6VA-62001	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	201
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER (ENGINE AND TORQUE CONVERTER)	4.4000A	244
OIL FILLER CAP	4.5000A	46
DIPSTICK	4.6000A	348
OIL PAN (10 DEG. INCLINATION)	4.7000A	182
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	49
THERMOSTAT	5.2000B	94
WATER BY-PASS TUBE	5.2000C	142
RADIATOR	5.3000A	75
WATER CONNECTIONS	5.3000B	151
FAN	5.4000A	342
FAN SHROUD	5.4000B	42
EXHAUST MANIFOLD	6.1000A	229
EXHAUST MUFFLER FLANGE	6.2000A	234
BATTERY CHARGING GENERATOR 12V., 25 AMP.	7.1000A	727
STARTING MOTOR 12V	7.3000A	15
INSTRUMENTS ENGINE AND TORQUE CONVERTER	7.4000A	505
TACHOMETER DRIVE	7.4000B	468
WIRING HARNESS	7.7000A	297
TORQUE CONVERTER	8.3000A	421
TORQUE CONVERTER LINES (WITH OIL FILTER)	8.3000B	176
ENGINE HOODS	10.1000A	106
ENGINE MOUNTS	11.1000A	341
ENGINE BASE (WITH TANK)	11.1000A	377

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 6VA-113175	1.1000A	103
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 6VA-113176 AND THRU 6VA-122397	1.1000A	125
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 6VA-122398	1.1000A	143
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	54
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 6VA-34891	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 6VA-34892; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM THRU 6VA-134986	1.8000	24
VALVE OPERATING MECHANISM EFF. WITH 6VA-134987	1.8000	258
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	330
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 6VA-61547	2.2000	71
FUEL PUMP EFF. WITH 6VA-61548 AND THRU 6VA-114881	2.2000	126
FUEL PUMP EFF. WITH 6VA-114882	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR CLEANER	3.1000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6VA-98084	3.4000	88
BLOWER EFF. WITH 6VA-98085 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	240
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP THRU 6VA-62000	4.1000A	56
OIL PUMP EFF. WITH 6VA-62001 AND THRU 6VA-106316	4.1000A	131
OIL PUMP EFF. WITH 6VA-106317	4.1000A	136
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 6VA-129945	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 6VA-129946	4.1000C	28
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER CAP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	175
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	142
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 6VA-127919	5.3000B	124
WATER CONNECTIONS EFF. WITH 6VA-127920; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	370
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
POWER TAKE-OFF	8.1000A	•
ENGINE MOUNTS	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	45
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	23
CRANKSHAFT PULLEY	1.3000C	136
CRANKSHAFT PULLEY BELT	1.3000D	100
FLYWHEEL	1.4000A	170
FLYWHEEL HOUSING (SAE #1) STD. EQUIP. PRIOR TO 6VA-1705	1.5000A	192
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR 55	2.1000A	44
FUEL PUMP (3/8" INLET) STD. EQUIP. PRIOR TO 6VA-28215	2.2000	8
FUEL PUMP (1/2" INLET)	2.2000	126
FUEL FILTER THRU 8269	2.3000A	204
FUEL FILTER (3/8" INLET) EFF. WITH 6VA-8270; STD. EQUIP. PRIOR TO 6VA-28215	2.3000A	233
FUEL FILTER (1/2" INLET)	2.3000A	365
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES THRU 6VA-8269	2.5000A	438
FUEL LINES (3/8" INLET) EFF. WITH 6VA-8270; STD. EQUIP. PRIOR TO 6VA-28215	2.5000A	516
FUEL LINES (1/2" FUEL INLET)	2.5000A	795
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	95
THROTTLE CONTROLS	2.9000A	567
AIR CLEANER	3.1000A	232
AIR INLET HOUSING	3.3000A	258
BLOWER	3.4000	65
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	201
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	422
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	348
OIL PAN (10 DEG. INCLINATION)	4.7000A	182
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	49
THERMOSTAT STD. EQUIP. PRIOR TO 6VA-4802	5.2000B	74
THERMOSTAT	5.2000B	94
WATER BY-PASS TUBE	5.2000C	142
RADIATOR	5.3000A	73
WATER CONNECTIONS	5.3000B	151
FAN	5.4000A	342
FAN SHROUD	5.4000B	42
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6VA-4082	6.1000A	229
EXHAUST MUFFLER FLANGE	6.2000A	234
BATTERY CHARGING GENERATOR 12V., 25 AMP.	7.1000A	727
STARTING MOTOR 12V.	7.3000A	15
INSTRUMENTS	7.4000A	447
TACHOMETER DRIVE	7.4000B	11
WIRING HARNESS	7.7000A	297
POWER TAKE-OFF	8.1000A	129
ENGINE HOODS	10.1000A	106
ENGINE MOUNTS STD. EQUIP. PRIOR TO 6VA-1075	11.1000A	341
ENGINE BASE	11.1000A	376

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	45
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	23
CRANKSHAFT PULLEY	1.3000C	136
CRANKSHAFT PULLEY BELT	1.3000D	100
FLYWHEEL REFER TO TORQUE CONVERTER TYPE	1.4000A	
FLYWHEEL HOUSING (SAE #1) STD. EQUIP. PRIOR TO 6VA-1705	1.5000A	192
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR S60	2.1000A	42
FUEL PUMP (3/8" INLET) STD. EQUIP. PRIOR TO 6VA-28216	2.2000	8
FUEL PUMP (1/2" INLET)	2.2000	126
FUEL FILTER THRU 6VA-8269	2.3000A	196
FUEL FILTER (3/8" INLET) EFF. WITH 6VA-8270; STD. EQUIP. PRIOR TO 6VA-28215	2.3000A	233
FUEL FILTER (1/2" INLET)	2.3000A	365
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES THRU 6VA-8269	2.5000A	438
FUEL LINES (3/8" INLET) EFF. WITH 6VA-8270; STD. EQUIP. PRIOR TO 6VA-28215	2.5000A	516
FUEL LINES (1/2" INLET)	2.5000A	795
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	95
THROTTLE CONTROLS	2.9000A	567
AIR CLEANER	3.1000A	232
AIR INLET HOUSING	3.3000A	258
BLOWER	3.4000	65
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	201
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	244
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	348
OIL PAN (10 DEG. INCLINATION)	4.7000A	182
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	49
THERMOSTAT STD. EQUIP. PRIOR TO 6VA-4082	5.2000B	74
THERMOSTAT	5.2000B	94
WATER BY-PASS TUBE	5.2000C	142
RADIATOR	5.3000A	75
WATER CONNECTIONS	5.3000B	151
FAN	5.4000A	342
FAN SHROUD	5.4000B	42
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6VA-4082	6.1000A	229
EXHAUST MUFFLER FLANGE	6.2000A	234
BATTERY CHARGING GENERATOR 12V., 25 AMP., C.C.W. ROTATION	7.1000A	727
STARTING MOTOR 12V.	7.3000A	15
INSTRUMENTS	7.4000A	505
TACHOMETER DRIVE	7.4000B	468
WIRING HARNESS	7.7000A	297
TORQUE CONVERTER	8.3000A	421
TORQUE CONVERTER LINES	8.3000B	176
ENGINE HOODS	10.1000A	106
ENGINE MOUNTS STD. EQUIP. PRIOR TO 6VA-1705	11.1000A	341
ENGINE BASE	11.1000A	377

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	34
AIR BOX DRAINS	1.1000A	45
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
CYLINDER HEAD	1.2000	27
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	23
CRANKSHAFT PULLEY	1.3000C	134
FLYWHEEL	1.4000A	170
FLYWHEEL HOUSING (SAE #1)	1.5000A	192
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	38
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	24
ROCKER COVER	1.8000A	43
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP (3/8" INLET) STD. EQUIP. PRIOR TO 6VA-28215	2.2000	8
FUEL PUMP (1/2" INLET)	2.2000	71
FUEL FILTER (3/8" INLET) STD. EQUIP. PRIOR TO 6VA-28215	2.3000A	233
FUEL FILTER (1/2" INLET)	2.3000A	365
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" INLET) STD. EQUIP. PRIOR TO 6VA-28215	2.5000A	516
FUEL LINES (1/2" INLET)	2.5000A	1188
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	95
THROTTLE CONTROLS	2.9000A	567
AIR CLEANER	3.1000A	232
AIR INLET HOUSING	3.3000A	258
BLOWER	3.4000	65
BLOWER DRIVE SHAFT	3.4000A	18
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	201
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER (ENGINE)	4.4000A	422
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	348
OIL PAN (10 DEG. INCLINATION)	4.7000A	182
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	49
THERMOSTAT	5.2000B	93
WATER BY-PASS TUBE	5.2000C	142
WATER CONNECTIONS	5.3000B	124
HEAT EXCHANGER	5.5000A	312
EXHAUST MANIFOLD	6.1000A	129
EXHAUST MUFFLER	6.2000A	180
BATTERY CHARGING GENERATOR 12V., 25 AMP.	7.1000A	941
STARTING MOTOR 12V.	7.3000A	15
INSTRUMENTS	7.4000A	447
TACHOMETER DRIVE	7.4000B	10
WIRING HARNESS	7.7000A	297
POWER TAKE-OFF	8.1000A	129
ENGINE MOUNTS	11.1000A	341

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	34
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	24
FLYWHEEL HOUSING (SAE #1)	1.5000A	219
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	71
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	777
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	96
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL COOLER	4.4000A	423
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	342
OIL PAN	4.7000A	168
VENTILATING SYSTEM	4.8000A	352
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	126
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL PART OF HYDRAULIC MARINE GEAR IN 9.1000A	1.4000A	
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-31785	1.6000	117
CONNECTING ROD AND PISTON EFF. WITH 8VA-317826; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	43
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	346
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP (3/8" INLET)	2.2000	8
FUEL PUMP (1/2" INLET) THRU 8VA-131726	2.2000	71
FUEL PUMP EFF. WITH 8VA-131727 AND THRU 8VA-401630	2.2000	126
FUEL PUMP EFF. WITH 8VA-401631	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	251
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	66
BLOWER DRIVE SHAFT (WITH EATON PUMP) THRU 8VA-81196	3.4000A	22
BLOWER DRIVE SHAFT (WITH HYDRECO PUMP) EFF. WITH 8VA-81197	3.4000A	19
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 8VA-428953	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 8VA-428954	4.1000C	28
OIL FILTER THRU 8VA-83175	4.2000A	123
OIL FILTER EFF. WITH 8VA-83176; STD. EQUIP. PRIOR TO 8VA-171456	4.2000A	297
OIL FILTER	4.2000A	•
OIL FILTER LINES	4.3000A	•
OIL COOLER (ENGINE) THRU 8VA-28339	4.4000A	267
OIL COOLER (ENGINE) EFF. WITH 8VA-28340 AND THRU 8VA-171456	4.4000A	423
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-367306	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-367307	5.1000	198
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	142
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 8VA-427743	5.3000B	124
WATER CONNECTIONS EFF. WITH 8VA-427744; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	370
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	•
EXHAUST MANIFOLD THRU 8VA-427743	6.1000A	127

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
EXHAUST MANIFOLD EFF. WITH 8VA-427744	6.1000A	532
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
TACHOMETER DRIVE CABLE	7.4000B	•
HYDRAULIC MARINE GEAR	9.1000A	•
HYDRAULIC MARINE GEAR PUMP	9.1000A	•
ENGINE MOUNTS	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	126
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL PART OF HYDRAULIC MARINE GEAR IN 9.1000A	1.4000A	
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-317825	1.6000	117
CONNECTING ROD AND PISTON EFF. WITH 8VA-31826; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	43
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	346
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 8VA-131726	2.2000	71
FUEL PUMP EFF. WITH 8VA-131727 AND THRU 8VA-401630	2.2000	126
FUEL PUMP EFF. WITH 8VA-401631	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	251
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 8VA-428953	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 8VA-428954	4.1000C	28
OIL FILTER THRU 8VA-410433	4.2000A	297
OIL FILTER EFF. WITH 8VA-410434	4.2000A	389
OIL COOLER (ENGINE)	4.4000A	375
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER CAP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724	5.1000	176
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE (WITH ALUM. H.E. TANK) THRU 8VA-165565	5.2000C	337
WATER BY-PASS TUBE (WITH CAST IRON H.E. TANK) EFF. WITH 8VA-165566	5.2000C	347
WATER CONNECTIONS (WITH ALUM. H.E. TANK) THRU 8VA-165565	5.3000B	310
WATER CONNECTIONS EFF. WITH 8VA-165566; STD. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	309
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	•
EXHAUST MANIFOLD THRU 8VA-427743	6.1000A	127
EXHAUST MANIFOLD EFF. WITH 8VA-427744	6.1000A	532
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
TACHOMETER DRIVE CABLE	7.4000B	•
HYDRAULIC MARINE GEAR	9.1000A	•
HYDRAULIC MARINE GEAR PUMP	9.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
ENGINE MOUNTS	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	37
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	24
CRANKSHAFT PULLEY	1.3000C	262
FLYWHEEL REFER TO HYDRAULIC MARINE GEAR 9.1000A	1.4000A	
FLYWHEEL HOUSING (SAE #2) STD. EQUIP. PRIOR TO 8VA-1110	1.5000A	187
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	43
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP (WITH 3/8" INLET LINE) THRU 8VA-21152	2.2000	8
FUEL PUMP (WITH 1/2" INLET LINE) EFF. WITH 8VA-21153	2.2000	71
FUEL FILTER (WITH 3/8" INLET LINES) STD. EQUIP. PRIOR TO 8VA-5975	2.3000A	172
FUEL FILTER (WITH 1/2" INLET LINES)	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" FUEL INLET) STD. EQUIP. PRIOR TO 8VA-5975	2.5000A	428
FUEL LINES (1/2" FUEL INLET)	2.5000A	755
GOVERNOR, MECHANICAL	2.7000A	474
INJECTOR CONTROLS	2.9000	96
THROTTLE CONTROLS	2.9000A	468
AIR SILENCER	3.2000A	25
AIR INLET HOUSING	3.3000A	235
BLOWER	3.4000	66
BLOWER DRIVE SHAFT THRU 8VA-81196	3.4000A	22
BLOWER DRIVE SHAFT WITH AYDRECO PUMP EFF. WITH 8VA-81197	3.4000A	19
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	191
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	123
OIL FILTER LINES	4.3000A	86
OIL COOLER (ENGINE) THRU 8VA-28339	4.4000A	267
OIL COOLER (ENGINE) EFF. WITH 8VA-28340	4.4000A	423
OIL COOLER (MARINE GEAR)	4.4000A	374
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	351
OIL PAN	4.7000A	142
VENTILATING SYSTEM	4.8000A	225
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	78
WATER BY-PASS TUBE	5.2000C	142
WATER CONNECTIONS	5.3000B	124
HEAT EXCHANGER	5.5000A	401
RAW WATER PUMP	5.6000A	37
EXHAUST MANIFOLD	6.1000A	127
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	636
STARTING MOTOR 24V.	7.3000A	34
HYDRAULIC MARINE GEAR PUMP	9.1000A	337
ENGINE MOUNTS	11.1000A	345

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	103
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	155
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL REFER TO HYDRAULIC MARINE GEAR IN 9.1000A	1.4000A	
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-122722	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 8VA-122723 AND THRU 8VA-131409	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 8VA-131410; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	138
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	43
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	352
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 8VA-131726	2.2000	71
FUEL PUMP EFF. WITH 8VA-131727 AND THRU 8VA-401630	2.2000	126
FUEL PUMP EFF. WITH 8VA-406031	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS THRU 8VA-73046	2.9000	96
INJECTOR CONTROLS EFF. WITH 8VA-73047 AND THRU 8VA-161599	2.9000	173
INJECTOR CONTROLS EFF. WITH 8VA-161600 AND THRU 8VA-243098	2.9000	202
INJECTOR CONTROLS EFF. WITH 8VA-243099 AND THRU 8VA-320162	2.9000	226
INJECTOR CONTROLS EFF. WITH 8VA-320163, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	271
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 8VA-210481	3.4000	108
BLOWER EFF. WITH 8VA-210482 AND THRU 8VA-431097	3.4000	195
BLOWER EFF. WITH 8VA-431098	3.4000	406
BLOWER DRIVE SHAFT THRU 8VA-210481	3.4000A	19
BLOWER DRIVE SHAFT EFF. WITH 8VA-210482 AND THRU 8VA-431097	3.4000A	45
BLOWER DRIVE SHAFT EFF. WITH 8VA-431098	3.4000A	56
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 8VA-428953	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 8VA-428954	4.1000C	28
OIL COOLER	4.4000A	•
OIL FILTER THRU 8VA-83175	4.2000A	123
OIL FILTER EFF. WITH 8VA-83176 AND THRU 8VA-410433	4.2000A	297
OIL FILTER EFF. WITH 8VA-410434; STD. EQUIP. PRIOR TO 8VA-420768	4.2000A	389
OIL FILTER	4.2000A	•
OIL FILTER LINES	4.3000A	86
OIL COOLER (ENGINE) THRU 8VA-354396	4.4000A	375
OIL COOLER (ENGINE) EFF. WITH 8VA-354397	4.4000A	776
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	727
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-370121	5.1000	176

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
FRESH WATER PUMP EFF. WITH 8VA-370122	5.1000	198
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE (WITH ALUM. H.E. TANK) THRU 8VA-165565	5.2000C	337
WATER BYPASS TUBE (WITH CAST IRON H.E. TANK) EFF. WITH 8VA-165566; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	347
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS (WITH ALUM. H.E. TANK) THRU 8VA-165565	5.3000B	310
WATER CONNECTIONS (WITH CAST IRON H.E. TANK) EFF. WITH 8VA-165566 AND THRU 8VA-427743	5.3000B	309
WATER CONNECTIONS EFF. WITH 8VA-427744; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	379
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
EXHAUST MANIFOLD THRU 8VA-427743	6.1000A	127
EXHAUST MANIFOLD EFF. WITH 8VA-427744	6.1000A	532
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE CABLE	7.4000B	•
TACHOMETER DRIVE	7.4000B	•
HYDRAULIC MARINE GEAR	9.1000A	•
HYDRAULIC MARINE GEAR PUMP	9.1000A	•
ENGINE MOUNTS	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	37
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	126
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL REFER TO HYDRAULIC MARINE GEAR IN 9.1000A	1.4000A	
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-317825	1.6000	117
CONNECTING ROD AND PISTON EFF. WITH 8VA-317826; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	40
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	346
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 8VA-131726	2.2000	71
FUEL PUMP EFF. WITH 8VA-131727 AND THRU 8VA-400721	2.2000	126
FUEL PUMP EFF. WITH 8VA-400722	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	96
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	66
BLOWER	3.4000	241
BLOWER DRIVE SHAFT (WITH EATON PUMP) THRU 8VA-81196	3.4000A	22
BLOWER DRIVE SHAFT (WITH HYDRECO PUMP) EFF. WITH 8VA-81197	3.4000A	19
OIL PUMP THRU 8VA-148562	4.1000A	56
OIL PUMP EFF. WITH 8VA-148563	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 8VA-428953	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 8VA-428954	4.1000C	28
OIL FILTER THRU 8VA-83175	4.2000A	123
OIL FILTER EFF. WITH 8VA-83176; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	297
OIL FILTER	4.2000A	•
OIL FILTER LINES	4.3000A	•
OIL COOLER (ENGINE) THRU 8VA-28339	4.4000A	267
OIL COOLER (ENGINE) EFF. WITH 8VA-28340 AND THRU 8VA-170493	4.4000A	423
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723 AND THRU 8VA-386485	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-368486	5.1000	198
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	142
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 8VA-427743	5.3000B	124
WATER CONNECTIONS EFF. WITH 8VA-427744; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	370
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	•
EXHAUST MANIFOLD THRU 8VA-427743	6.1000A	127
EXHAUST MANIFOLD EFF. WITH 8VA-427744	6.1000A	532

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE CABLE	7.4000B	•
TACHOMETER DRIVE	7.4000B	•
HYDRAULIC MARINE GEAR	9.1000A	•
HYDRAULIC MARINE GEAR PUMP	9.1000A	•
ENGINE MOUNTS	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	126
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL (PART OF HYDRAULIC MARINE GEAR SECTION 9.1000A)	1.4000A	
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-371826	1.6000	117
CONNECTING ROD AND PISTON EFF. WITH 8VA-317826; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	346
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 8VA-131726	2.2000	71
FUEL PUMP EFF. WITH 8VA-131727 AND THRU 8VA-400721	2.2000	126
FUEL PUMP EFF. WITH 8VA-400722	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	96
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 8VA-428953	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 8VA-428954	4.1000C	28
OIL FILTER THRU 8VA-410433	4.2000A	297
OIL FILTER EFF. WITH 8VA-410434	4.2000A	389
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF.WITH 8VA-177724 AND THRU 8VA-367400	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-367401	5.1000	198
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	347
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	309
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	•
EXHAUST MANIFOLD THRU 8VA-427743	6.1000A	127
EXHAUST MANIFOLD EFF. WITH 8VA-427744	6.1000A	532
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
TACHOMETER DRIVE CABLE	7.4000B	•
HYDRAULIC MARINE GEAR	9.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
HYDRAULIC MARINE GEAR PUMP	9.1000A	•
ENGINE MOUNTS	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	37
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	24
CRANKSHAFT PULLEY	1.3000C	262
FLYWHEEL REFER TO HYDRAULIC MARINE GEAR SECTION 9.1000A	1.4000A	
FLYWHEEL HOUSING (SAE #2) STD. EQUIP. PRIOR TO 8VA-1110	1.5000A	187
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP (WITH 3/8" INLET LINES) THRU 8VA-21152	2.2000	8
FUEL PUMP (WITH 1/2" INLET LINES) EFF. WITH 8VA-21153	2.2000	71
FUEL FILTER (WITH 3/8" INLET LINES) STD. EQUIP. PRIOR TO 8VA-5975	2.3000A	172
FUEL FILTER (WITH 1/2" INLET LINES)	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" FUEL INLET) STD. EQUIP. PRIOR TO 8VA-5975	2.5000A	428
FUEL LINES (1/2" FUEL INLET)	2.5000A	755
GOVERNOR, MECHANICAL	2.7000A	749
INJECTOR CONTROLS	2.9000	96
THROTTLE CONTROLS	2.9000A	468
AIR SILENCER	3.2000A	25
AIR INLET HOUSING	3.3000A	235
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	22
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	191
OIL PRESSURE REGULATOR	4.1000C	10
WATER BYPASS TUBE STD. EQUIP. PRIOR TO 8VA-170312	4.2000A	123
OIL FILTER LINES	4.3000A	86
OIL COOLER (ENGINE) THRU 8VA-28339	4.4000A	267
OIL COOLER (ENGINE) EFF. WITH 8VA-28340	4.4000A	423
OIL COOLER (MARINE GEAR)	4.4000A	374
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	351
OIL PAN	4.7000A	142
VENTILATING SYSTEM	4.8000A	300
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	78
WATER BY-PASS TUBE	5.2000C	142
WATER CONNECTIONS	5.3000B	124
HEAT EXCHANGER	5.5000A	401
RAW WATER PUMP	5.6000A	37
EXHAUST MANIFOLD	6.1000A	127
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	636
STARTING MOTOR 24V.	7.3000A	35
HYDRAULIC MARINE GEAR	9.1000A	340
ENGINE MOUNTS	11.1000A	345

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	103
AIR BOX DRAINS	1.1000A	126
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	155
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL REFER TO HYDRAULIC MARINE GEAR IN 9.1000A	1.4000A	
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-122722	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 8VA-122723 AND THRU 8VA-131409	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 8VA-131410; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	138
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	40
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	351
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 8VA-131726	2.2000	71
FUEL PUMP EFF. WITH 8VA-131727 AND THRU 8VA-400721	2.2000	126
FUEL PUMP EFF. WITH 8VA-400722	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS THRU 8VA-73046	2.9000	96
INJECTOR CONTROLS EFF. WITH 8VA-73047 AND THRU 8VA-161599	2.9000	173
INJECTOR CONTROLS EFF. WITH 8VA-161600 AND THRU 8VA-243098	2.9000	202
INJECTOR CONTROLS EFF. WITH 8VA-243099 AND THRU 8VA-320162	2.9000	226
INJECTOR CONTROLS EFF. WITH 8VA-320163 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	271
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 8VA-210481	3.4000	108
BLOWER EFF. WITH 8VA-210482 AND THRU 8VA-431097	3.4000	195
BLOWER EFF. WITH 8VA-431098	3.4000	413
BLOWER DRIVE SHAFT THRU 8VA-190627	3.4000A	19
BLOWER DRIVE SHAFT EFF. WITH 8VA-190628 AND THRU 8VA-431097	3.4000A	45
BLOWER DRIVE SHAFT EFF. WITH 8VA-431098	3.4000A	56
TURBOCHARGER	3.5000A	•
OIL PUMP THRU 8VA-148562	4.1000A	56
OIL PUMP EFF. WITH 8VA-148563	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 8VA-428953	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 8VA-428954	4.1000C	28
OIL FILTER THRU 8VA-83175	4.2000A	123
OIL FILTER EFF. WITH 8VA-83176 AND THRU 8VA-411992	4.2000A	297
OIL FILTER EFF. WITH 8VA-411993; STD. EQUIP. PRIOR TO 8VA-4207	4.2000A	389
OIL FILTER	4.2000A	•
OIL COOLER THRU 8VA-170493	4.4000A	423
OIL COOLER EFF. WITH 8VA-170494 AND THRU 8VA-354310	4.4000A	375
OIL COOLER EFF. WITH 8VA-354311 AND THRU 8VA-424827	4.4000A	822
OIL COOLER EFF. WITH 8VA-424828; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	936
OIL COOLER	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	727
VENTILATING SYSTEM	4.8000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	358
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-368136	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-368137	5.1000	198
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE (WITH ALUM. H.E. TANK) THRU 8VA-165565	5.2000C	337
WATER BYPASS TUBE (WITH CAST IRON H.E. TANK) EFF. WITH 8VA-165566; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	347
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS (WITH ALUM. H.E. TANK) THRU 8VA-165565	5.3000B	310
WATER CONNECTIONS (WITH CAST IRON H.E. TANK) EFF. WITH 8VA-165566 AND THRU 8VA-427743	5.3000B	309
WATER CONNECTIONS EFF. WITH 8VA-427744; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	379
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
EXHAUST MANIFOLD THRU 8VA-427743	6.1000A	127
EXHAUST MANIFOLD EFF. WITH 8VA-427744	6.1000A	532
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE CABLE	7.4000B	•
TACHOMETER DRIVE	7.4000B	•
HYDRAULIC MARINE GEAR	9.1000A	•
HYDRAULIC MARINE GEAR PUMP	9.1000A	•
ENGINE MOUNTS	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	103
AIR BOX DRAINS THRU 8VA-376800	1.1000A	103
AIR BOX DRAINS EFF. WITH 8VA-376801 AND THRU 8VA-425792	1.1000A	127
AIR BOX DRAINS EFF. WITH 8VA-425793	1.1000A	103
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	171
CRANKSHAFT THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
VIBRATION DAMPER THRU 8VA-286732	1.3000B	105
VIBRATION DAMPER EFF. WITH 8VA-286733; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	109
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 8VA-351799	1.3000C	359
FLYWHEEL THRU 8VA-339414	1.4000A	83
FLYWHEEL EFF. WITH 8VA-339415; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	879
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	188
CONNECTING ROD AND PISTON THRU 8VA-355915	1.6000	143
CONNECTING ROD AND PISTON EFF. WITH 8VA-135916 AND THRU 8VA-376842	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 8VA-376843; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	184
CONNECTING ROD AND PISTON	1.6000	209
CAMSHAFT AND GEAR TRAIN	1.7000	59
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	152
ROCKER COVER	1.8000A	365
FUEL INJECTOR N140	2.1000A	127
FUEL PUMP THRU 8VA-399498	2.2000	146
FUEL PUMP EFF. WITH 8VA-399499	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1223
GOVERNOR, MECHANICAL	2.7000A	1443
INJECTOR CONTROLS	2.9000	249
THROTTLE CONTROLS	2.9000A	1097
AIR SILENCER THRU 8VA-427743	3.2000A	49
AIR SILENCER EFF. WITH 8VA-427744 AND THRU 8VA-432686	3.2000A	57
AIR INLET HOUSING STD. EQUIP. PRIOR TO 8VA-335512	3.3000A	405
BLOWER THRU 8VA-431097	3.4000	197
BLOWER EFF. WITH 8VA-431098	3.4000	411
BLOWER DRIVE SHAFT THRU 8VA-431097	3.4000A	45
BLOWER DRIVE SHAFT EFF. WITH 8VA-431098	3.4000A	56
TURBOCHARGER STD. EQUIP. PRIOR TO 8VA-267169	3.5000A	238
OIL PUMP	4.1000A	131
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	434
OIL PRESSURE REGULATOR THRU 8VA-428953	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 8VA-428954	4.1000C	28
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	127
OIL COOLER ENGINE AND MARINE GEAR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	710
OIL FILLER	4.5000A	125
DIPSTICK THRU 8VA-427743	4.6000A	351
DIPSTICK EFF. WITH 8VA-427744	4.6000A	1055
OIL PAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	556
VENTILATING SYSTEM THRU 8VA-365381	4.8000A	572
VENTILATING SYSTEM EFF. WITH 8VA-365382 AND THRU 8VA-423154	4.8000A	748
VENTILATING SYSTEM EFF. WITH 8VA-423155; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	727
FRESH WATER PUMP THRU 8VA-365381	5.1000	176
FRESH WATER EFF. WITH 8VA-365382	5.1000	198
THERMOSTAT STD. EQUIP. PRIOR TO 8VA-31579	5.2000B	238
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	142
WATER CONNECTIONS THRU 8VA-427743	5.3000B	332
WATER CONNECTIONS EFF. WITH 8VA-427744; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	380
HEAT EXCHANGER STD. EQUIP. PRIOR TO 8VA-315799	5.5000A	466
RAW WATER PUMP STD. EQUIP. PRIOR TO 8VA-315799	5.6000A	63
EXHAUST MANIFOLD THRU 8VA-427743	6.1000A	127
EXHAUST MANIFOLD EFF. WITH 8VA-427744	6.1000A	532
STARTING MOTOR STD. EQUIP. PRIOR TO 8VA-315799	7.3000A	35
INSTRUMENTS STD. EQUIP. PRIOR TO 8VA-3157	7.4000A	934
TACHOMETER DRIVE THRU 8VA-267169	7.4000B	399

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
TACHOMETER DRIVE EFF. WITH 8VA-267170; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.40008	535
HYDRAULIC MARINE GEAR STD. EQUIP. PRIOR TO 8VA-298999	9.1000A	761
HYDRAULIC MARINE GEAR	9.1000A	1032
ENGINE MOUNTS THRU 8VA-364799	11.1000A	622
ENGINE MOUNTS EFF. WITH 8VA-364800; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	11.1000A	639

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS (WATER BELOW PORT BLOCK) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	103
AIR BOX DRAINS	1.1000A	•
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	•
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-317825	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 8VA-317826; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	43
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP (3/8" FUEL LINE) STD. EQUIP. PRIOR TO 8VA-26499	2.2000	8
FUEL PUMP (1/2" FUEL LINE)	2.2000	•
FUEL FILTER (1/2" FUEL LINE)	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR - MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	66
BLOWER	3.4000	243
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000C	10
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-365135	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-365136	5.1000	198
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE STD. EQUIP. PRIOR TO 8VA-170312	5.2000C	136
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	1354
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENT PANEL	7.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	103
AIR BOX DRAINS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	103
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	1028
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-122722	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 8VA-122723 AND THRU 8VA-131409	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 8VA-131410 AND THRU 8VA-341733	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 8VA-341734; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	43
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	406
BLOWER DRIVE SHAFT THRU 8VA-184457	3.4000A	19
BLOWER DRIVE SHAFT EFF. WITH 8VA-184458	3.4000A	45
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000C	10
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-368865	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-368866	5.2000B	198
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR 24V	7.3000A	34
INSTRUMENTS	7.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS (WATER BELOW PORT BLOCK) STD EQUIP PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	103
AIR BOX DRAINS	1.1000A	•
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	•
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-317825	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 8VA-317826; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	40
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	25
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP (3/8" FUEL LINE) STD. EQUIP. PRIOR TO 8VA-26499	2.2000	8
FUEL PUMP (1/2" FUEL LINE)	2.2000	•
FUEL FILTER (1/2" FUEL LINE)	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR - MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	66
BLOWER	3.4000	243
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP THRU 8VA-148562	4.1000A	56
OIL PUMP EFF. WITH 8VA-148563; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	131
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000C	10
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-365135	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-365136	5.1000	198
THERMOSTAT	5.2000B	•
WATER BY PASS TUBE STD. EQUIP. PRIOR TO 8VA-170312	5.2000C	136
WATER BYPASS	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENT PANEL	7.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	34
AIR BOX DRAINS WATER BELOW PORT THRU 8VA-397956	1.1000A	103
AIR BOX DRAINS (WATER BELOW PORT) EFF. WITH 8VA-397957 AND THRU 8VA-416809	1.1000A	127
AIR BOX DRAINS (WATER BELOW PORT) EFF. WITH 8VA-416810	1.1000A	143
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 8VA-3101	1.2000A	32
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL REFER TO HYDRAULIC MARINE GEAR IN 9.1000A	1.4000A	
FLYWHEEL HOUSING (SAE #1)	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-317825	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 8VA-317826; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP WITH 3/8" FUEL INLET LINES; STD. EQUIP. PRIOR TO 8VA-26499	2.2000	8
FUEL PUMP WITH 1/2" FUEL INLET LINES	2.2000	•
FUEL FILTER WITH 1/2" FUEL INLET LINE	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES THRU 8VA-137960	2.5000A	735
FUEL LINES EFF. WITH 8VA-137961; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1289
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO 8VA-859	2.9000	96
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP THRU 8VA-148562	4.1000A	56
OIL PUMP EFF. WITH 8VA-148563	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 8VA-428953	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 8VA-428954	4.1000C	28
OIL FILTER	4.2000A	•
OIL COOLER ENGINE AND TORQUE CONVERTER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 8VA-137960	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-137961 AND THRU 8VA-366388	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-366389	5.1000	198
THERMOSTAT STD. EQUIP. PRIOR TO 8VA-859	5.2000B	74
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	136
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS PANEL ENGINE	7.4000A	•
INSTRUMENT PANEL TORQUE CONVERTER	7.4000A	•
TORQUE CONVERTER TC-574 MECHANICS FLANGE	8.3000A	•
TORQUE CONVERTER LINES 500 SERIES	8.3000B	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS THRU 8VA-397774	1.1000A	103
AIR BOX DRAINS EFF. WITH 8VA-397775	1.1000A	126
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	151
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-317825	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 8VA-317826; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	346
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	735
GOVERNOR, HYDRAULIC	2.8000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	117
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP THRU 8VA-148562	4.1000A	56
OIL PUMP EFF. WITH 8VA-148563; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	131
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000C	10
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER THRU 8VA-429775	4.4000A	375
OIL COOLER EFF. WITH 8VA-429776; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	929
OIL COOLER	4.4000A	•
OIL FILLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-368393	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-368394	5.1000	198
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR 24V.	7.3000A	•
INSTRUMENTS	7.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	103
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	•
CYLINDER HEAD	1.2000	28
CRANKSHAFT THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-317825	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 8VA-317826; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	346
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 8VA-403354	2.2000	126
FUEL PUMP EFF. WITH 8VA-403355	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	85
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 8VA-428953	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 8VA-428954	4.1000C	28
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 8VA-367730	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-367731	5.1000	198
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS THRU 8VA-397774	1.1000A	103
AIR BOX DRAINS EFF. WITH 8VA-397775	1.1000A	126
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 8VA-227851	1.2000A	155
CRANKSHAFT THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT FRONT COVER	1.3000A	44
FLYWHEEL HOUSING (SAE #2)	1.5000A	484
CONNECTING ROD AND PISTON THRU 8VA-317825	1.6000	117
CONNECTING ROD AND PISTON EFF. WITH 8VA-317826	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	40
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR N80	2.1000A	80
FUEL PUMP THRU 8VA-403354	2.2000	126
FUEL PUMP EFF. WITH 8VA-403355	2.2000	174
FUEL FILTER THRU 8VA-219551	2.3000A	459
FUEL FILTER EFF. WITH 8VA-219552	2.3000A	628
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1219
GOVERNOR, MECHANICAL	2.7000A	1115
INJECTOR CONTROLS	2.9000	96
AIR SILENCER STD. EQUIP. PRIOR TO 8VA-227851	3.2000A	41
AIR INLET HOUSING STD. EQUIP. PRIOR TO 8VA-227851	3.3000A	397
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	391
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	297
OIL COOLER	4.4000A	375
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	351
OIL PAN	4.7000A	142
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 8VA-227851	4.8000A	617
FRESH WATER PUMP THRU 8VA-373581	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-373582	5.1000	198
THERMOSTAT STD. EQUIP. PRIOR TO 8VA-227851	5.2000B	178
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 8VA-227851	5.2000C	347
WATER CONNECTIONS STD. EQUIP. PRIOR TO 8VA-227851	5.3000B	309
EXHAUST MANIFOLD	6.1000A	127
STARTING MOTOR 32V.	7.3000A	35

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS THRU 8VA-61687	1.1000A	34
AIR BOX DRAINS EFF. WITH 8VA-61688	1.1000A	92
AIR BOX DRAINS (WBP) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	103
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT FRONT COVER	1.3000A	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-319661	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 8VA-319662; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN THRU 8VA-91691	1.7000	40
CAMSHAFT AND GEAR TRAIN EFF. WITH 8VA-91692	1.7000	100
BALANCE WEIGHT COVER	1.7000A	•
ACCESSORY DRIVE	1.7000B	•
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	•
FUEL INJECTOR N60	2.1000A	•
FUEL PUMP THRU 8VA-131726	2.2000	71
FUEL PUMP EFF. WITH 8VA-131727 AND THRU 8VA-403354	2.2000	126
FUEL PUMP EFF. WITH 8VA-403355	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	219
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	•
OIL FILTER LINES	4.3000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
WATER CONNECTIONS	5.3000B	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER	6.2000A	•
ENGINE MOUNTS	11.1000A	•
HYDRAULIC PUMP DRIVE	12.5000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	143
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	69
CRANKSHAFT FRONT COVER	1.3000A	56
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	100
BALANCE WEIGHT COVER	1.7000A	44
ACCESSORY DRIVE	1.7000B	•
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	243
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	610
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	198
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	220
EXHAUST MUFFLER	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
TACHOMETER DRIVE	7.4000B	•
ENGINE MOUNTING	11.1000A	•
AIR COMPRESSOR	12.4000A	•

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	103
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	32
CRANKSHAFT THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT FRONT COVER	1.3000A	44
CRANKSHAFT PULLEY	1.3000C	264
CRANKSHAFT PULLEY BELT	1.3000D	207
FLYWHEEL COUPLING	1.4000A	548
FLYWHEEL HOUSING (SAE #1)	1.5000A	427
CONNECTING ROD AND PISTON	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	40
ACCESSORY DRIVE	1.7000B	180
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	182
FUEL INJECTOR N70	2.1000A	80
FUEL PUMP	2.2000	150
FUEL FILTER	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1385
GOVERNOR, MECHANICAL	2.7000A	1318
INJECTOR CONTROLS	2.9000	96
THROTTLE CONTROLS	2.9000A	774
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	68
OIL DISTRIBUTION SYSTEM	4.1000B	219
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	375
OIL FILLER	4.5000A	46
DIPSTICK THRU 8VA-326985	4.6000A	263
DIPSTICK EFF. WITH 8VA-326986	4.6000A	829
OIL PAN	4.7000A	254
VENTILATING SYSTEM	4.8000A	568
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	358
FRESH WATER PUMP	5.1000	176
THERMOSTAT	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136
FAN	5.4000A	333
EXHAUST MANIFOLD	6.1000A	177
EXHAUST MUFFLER	6.2000A	200
STARTING MOTOR	7.3000A	244
TACHOMETER DRIVE	7.4000B	291
ENGINE MOUNTS	11.1000A	336

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DETROIT DIESEL V-71 MPC ENGINES

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	112
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	32
CRANKSHAFT THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	113
CRANKSHAFT PULLEY	1.3000C	114
CRANKSHAFT PULLEY BELT	1.3000D	148
FLYWHEEL	1.4000A	886
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	353
CONNECTING ROD AND PISTON	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	357
FUEL INJECTOR N70 STD. EQUIP. PRIOR TO 8VA-166080	2.1000A	80
FUEL PUMP THRU 8VA-399498	2.2000	146
FUEL PUMP EFF. WITH 8VA-399499	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	539
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1366
GOVERNOR, MECHANICAL	2.7000A	1649
INJECTOR CONTROLS	2.9000	96
AIR INLET HOUSING	3.3000A	151
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	68
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	219
OIL PRESSURE REGULATOR THRU 8VA-378883	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 8VA-378884	4.1000C	24
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	261
OIL COOLER (ENGINE AND TORQUE CONVERTER) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	397
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	510
OIL PAN THRU 8VA-415447	4.7000A	254
OIL PAN EFF. WITH 8VA-415448; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	703
VENTILATING SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	748
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	727
FRESH WATER PUMP	5.1000	42
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	74
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	136
FAN	5.4000A	496
EXHAUST MANIFOLD	6.1000A	144
STARTING MOTOR	7.3000A	208
COLD WEATHER STARTING AID	12.6000C	56

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	122
AIR BOX DRAINS THRU 8VA-165460	1.1000A	111
AIR BOX DRAINS EFF. WITH 8VA-165461	1.1000A	123
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET THRU 8VA-223161	1.2000A	45
ENGINE LIFTER BRACKET EFF. WITH 8VA-223162; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	185
CRANKSHAFT THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	56
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000C	264
CRANKSHAFT PULLEY (ACCESSORY DRIVE)	1.3000C	252
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	395
CONNECTING ROD AND PISTON	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	357
FUEL INJECTOR N70 STD. EQUIP. PRIOR TO 8VA-166080	2.1000A	80
FUEL INJECTOR C70	2.1000A	165
FUEL PUMP THRU 8VA-399498	2.2000	153
FUEL PUMP EFF. WITH 8VA-399499	2.2000	177
FUEL FILTER THRU 8VA-202807	2.3000A	375
FUEL FILTER EFF. WITH 8VA-202808; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	626
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1220
GOVERNOR, MECHANICAL	2.7000A	1649
INJECTOR CONTROLS	2.9000	96
THROTTLE CONTROLS	2.9000A	747
AIR INLET HOUSING	3.3000A	183
BLOWER	3.4000	85
BLOWER DRIVE SHAFT THRU 8VA-230831	3.4000A	27
BLOWER DRIVE SHAFT EFF. WITH 8VA-230832	3.4000A	19
OIL PUMP	4.1000A	68
OIL DISTRIBUTION SYSTEM	4.1000B	219
OIL PRESSURE REGULATOR THRU 8VA-378883	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 8VA-378884	4.1000C	24
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	126
OIL COOLER THRU 8VA-330515	4.4000A	511
OIL COOLER EFF. WITH 8VA-330516; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	761
OIL FILLER	4.5000A	125
DIPSTICK THRU 8VA-223161	4.6000A	510
DIPSTICK EFF. WITH 8VA-223162	4.6000A	789
OIL PAN THRU 8VA-415447	4.7000A	254
OIL PAN EFF. WITH 8VA-415448; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	703
VENTILATING SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	572
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	727
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-376200	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-376201	5.1000	198
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	74
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	136
FAN STD. EQUIP. PRIOR TO 8VA-254852	5.4000A	976
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 8VA-263129	6.1000A	157
STARTING MOTOR 24V.	7.3000A	244
ENGINE MOUNTS	11.1000A	336
AIR COMPRESSOR THRU 8VA-330515	12.4000A	842
AIR COMPRESSOR EFF. WITH 8VA-330516	12.4000A	964

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	103
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	32
CRANKSHAFT THRU 8VA-118586	1.3000	28
CRANKSHAFT EFF. WITH 8VA-118587	1.3000	53
CRANKSHAFT PULLEY	1.3000C	114
CRANKSHAFT PULLEY BELT	1.3000D	270
FLYWHEEL	1.4000A	87
FLYWHEEL HOUSING (SAE #1)	1.5000A	457
CONNECTING ROD AND PISTON	1.6000	117
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR N70 STD. EQUIP. PRIOR TO 8VA-116080	2.1000A	80
FUEL PUMP THRU 8VA-131726	2.2000	51
FUEL PUMP EFF. WITH 8VA-131727	2.2000	146
FUEL FILTER	2.3000A	539
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1126
GOVERNOR, HYDRAULIC	2.8000A	1151
INJECTOR CONTROLS	2.9000	117
AIR INLET HOUSING	3.3000A	223
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP THRU 8VA-148562	4.1000A	56
OIL PUMP EFF. WITH 8VA-148563	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	362
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	340
OIL PAN	4.7000A	168
VENTILATING SYSTEM THRU 8VA-151131	4.8000A	567
VENTILATING SYSTEM EFF. WITH 8VA-151132	4.8000A	611
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136
FAN	5.4000A	295
EXHAUST MANIFOLD	6.1000A	221
EXHAUST MUFFLER CONNECTIONS	6.2000A	232
STARTING MOTOR	7.3000A	208
INSTRUMENTS	7.4000A	799
TACHOMETER DRIVE	7.4000B	281
AUTOMATIC SHUTDOWN	7.4000C	769
COLD WEATHER STARTING AID	12.6000C	56

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	34
AIR BOX DRAINS WATER BELOW PORT	1.1000A	103
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	32
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587	1.3000	53
CRANKSHAFT PULLEY	1.3000C	114
CRANKSHAFT PULLEY BELT	1.3000D	98
FLYWHEEL	1.4000A	170
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER WITH FILLER CAP	1.8000A	44
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP WITH 3/8" FUEL LINES STD. EQUIP. PRIOR TO 8VA-26499	2.2000	8
FUEL PUMP WITH 1/2" FUEL LINES	2.2000	71
FUEL FILTER WITH 1/2" FUEL INLET LINE	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES WITH 1/2" FUEL INLET LINE	2.5000A	735
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	96
AIR INLET HOUSING	3.3000A	151
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	423
OIL FILLER ON ROCKER COVER	4.5000A	46
DIPSTICK	4.6000A	340
OIL PAN	4.7000A	168
VENTILATING SYSTEM	4.8000A	584
FRESH WATER PUMP	5.1000	42
THERMOSTAT STD. EQUIP. PRIOR TO 8VA-904	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136
FAN	5.4000A	319
EXHAUST MANIFOLD	6.1000A	109
BATTERY CHARGING GENERATOR 24 VOLT, 30 AMP.	7.1000A	1230
STARTING MOTOR 24 VOLT	7.3000A	35
INSTRUMENTS PANEL	7.4000A	21

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	34
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 8VA-3101	1.2000A	32
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587	1.3000	53
CRANKSHAFT PULLEY	1.3000C	114
CRANKSHAFT PULLEY BELT	1.3000D	167
FLYWHEEL REFER TO TORQUE CONVERTER TYPE	1.4000A	
FLYWHEEL HOUSING (SAE #1)	1.5000A	192
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR S60	2.1000A	42
FUEL PUMP (WITH 3/8" FUEL LINES) STD. EQUIP. PRIOR TO 8VA-26499	2.2000	8
FUEL PUMP (WITH 1/2" FUEL LINES)	2.2000	71
FUEL FILTER	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	735
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS STD. EQUIP. PRIOR TO 8VA-859	2.9000	96
AIR INLET HOUSING	3.3000A	151
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	261
OIL COOLER (ENGINE AND TORQUE CONVERTER)	4.4000A	301
OIL FILLER CAP	4.5000A	46
DIPSTICK	4.6000A	345
OIL PAN (10 DEG. INCLINATION)	4.7000A	168
VENTILATING SYSTEM	4.8000A	356
FRESH WATER PUMP	5.1000	42
THERMOSTAT STD. EQUIP. PRIOR TO 8VA-859	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136
FAN	5.4000A	311
EXHAUST MANIFOLD	6.1000A	109
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	1230
STARTING MOTOR 24V.	7.3000A	35
INSTRUMENTS (ENGINE)	7.4000A	102
INSTRUMENTS (TORQUE CONVERTER)	7.4000A	124
TORQUE CONVERTER	8.3000A	431
TORQUE CONVERTER LINES	8.3000B	175

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	34
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	32
CRANKSHAFT	1.3000	24
CRANKSHAFT FRONT COVER	1.3000A	NONE
CRANKSHAFT PULLEY	1.3000C	114
CRANKSHAFT PULLEY BELT	1.3000D	124
FLYWHEEL HOUSING THRU 8VA-8810	1.5000A	192
FLYWHEEL HOUSING EFF. WITH 8VA-8811	1.5000A	285
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER (FOR GENERATOR DRIVE)	1.7000A	18
BALANCE WEIGHT COVER (PLAIN)	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER (WITH OIL FILLER)	1.8000A	43
FUEL INJECTOR (S60)	2.1000A	42
FUEL PUMP THRU 8VA-8810	2.2000	8
FUEL PUMP EFF. WITH 8VA-8811 AND THRU 8VA-26588	2.2000	44
FUEL PUMP EFF. WITH 8VA-26589	2.2000	88
FUEL FILTER (STRAINER UNMOUNTED, FILTER MOUNTED)	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (WITH MOUNTED FILTER AND UNMOUNTED STRAINER)	2.5000A	735
GOVERNOR - MECHANICAL (VARIABLE SPEED)	2.7000A	749
INJECTOR CONTROLS	2.9000	96
THROTTLE CONTROLS	2.9000A	471
AIR INLET HOUSING (MANUAL SHUTDOWN)	3.3000A	151
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP STD. EQUIP. NOT SHOWN ON OPTION PLATE PRIOR TO 8VA-8811	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	266
OIL PRESSURE REGULATOR STD. EQUIP. NOT SHOWN ON OPTION PLATE PRIOR TO 8VA-8811	4.1000C	10
OIL FILTER (FULL FLOW)	4.2000A	215
OIL COOLER	4.4000A	397
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	312
OIL PAN	4.7000A	275
VENTILATING SYSTEM THRU 8VA-10447	4.8000A	305
VENTILATING SYSTEM EFF. WITH 8VA-10448	4.8000A	356
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	74
WATER BY-PASS TUBE	5.2000C	189
FAN (LESS BLADE)	5.4000A	363
EXHAUST MANIFOLD (OUTLET TO REAR)	6.1000A	207
EXHAUST MANIFOLD (FRONT VERTICAL OUTLET)	6.1000A	220
BATTERY CHARGING GENERATOR (ATTACHING PARTS ONLY)	7.1000A	1170
STARTING MOTOR	7.3000A	NONE
TACHOMETER DRIVE	7.4000B	212
ENGINE MOUNTING	11.1000A	336
AIR COMPRESSOR	12.4000A	269

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	42
AIR BOX DRAINS	1.1000A	111
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	57
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587	1.3000	53
CRANKSHAFT FRONT COVER	1.3000A	56
CRANKSHAFT PULLEY	1.3000C	264
FLYWHEEL HOUSING (SAE #1)	1.5000A	325
CONNECTING ROD AND PISTON THRU 8VA-129225	1.6000	50
CONNECTING ROD AND PISTON EFF. WITH 8VA-129226 AND THRU 8VA-132209	1.6000	133
CONNECTING ROD AND PISTON EFF. WITH 8VA-132210	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	19
ACCESSORY DRIVE	1.7000B	35
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	190
FUEL INJECTOR S70	2.1000A	45
FUEL PUMP THRU 8VA-131726	2.2000	56
FUEL PUMP EFF. WITH 8VA-131727	2.2000	146
FUEL FILTER	2.3000A	375
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	901
GOVERNOR, MECHANICAL	2.7000A	887
INJECTOR CONTROLS	2.9000	96
THROTTLE CONTROLS	2.9000A	747
AIR INLET HOUSING	3.3000A	183
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	68
OIL DISTRIBUTION SYSTEM	4.1000B	219
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	126
OIL COOLER	4.4000A	511
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	510
OIL PAN	4.7000A	254
VENTILATING SYSTEM	4.8000A	457
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136
FAN	5.4000A	486
EXHAUST MANIFOLD	6.1000A	157
BATTERY CHARGING GENERATOR 28V., 100 AMP.	7.1000A	1403
STARTING MOTOR 24V.	7.3000A	244
TACHOMETER DRIVE	7.4000B	291
AIR HEATER	7.8000A	163
ENGINE MOUNTS	11.1000A	336
AIR COMPRESSOR	12.4000A	359
HYDRAULIC PUMP	12.5000A	113

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	103
AIR BOX DRAINS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	103
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-122722	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 8VA-122723 AND THRU 8VA-131409	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 8VA-131410 AND THRU 8VA-341733	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 8VA-341734; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	151
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 8VA-210481	3.4000	151
BLOWER EFF. WITH 8VA-210482; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	196
BLOWER	3.4000	•
BLOWER DRIVE SHAFT THRU 8VA-184457	3.4000A	19
BLOWER DRIVE SHAFT EFF. WITH 8VA-184458 AND THRU 8VA-431097	3.4000A	45
BLOWER DRIVE SHAFT EFF. WITH 8VA-431098	3.4000A	56
TURBOCHARGER	3.5000A	•
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	131
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000C	10
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-368865	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-368866	5.2000B	198
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	103
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	308
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	257
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	518
BLOWER DRIVE SHAFT	3.4000A	56
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	198
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	71
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 8VA-397774	1.1000A	103
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 8VA-397775	1.1000A	126
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET	1.2000A	86
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-122722	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 8VA-122723 AND THRU 8VA-131409	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 8VA-131410; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	138
CAMSHAFT AND GEAR TRAIN THRU 8VA-370082	1.7000	40
CAMSHAFT AND GEAR TRAIN EFF. WITH 8VA-370083	1.7000	425
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	151
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 8VA-131726	2.2000	71
FUEL PUMP EFF. WITH 8VA-131727; STD. EQUIP. PRIOR TO 8VA-358608	2.2000	126
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, HYDRAULIC	2.8000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO 8VA-319818	2.9000	226
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 8VA-132389	3.4000	108
BLOWER EFF. WITH 8VA-132390 AND THRU 8VA-210481	3.4000	180
BLOWER EFF. WITH 8VA-210482	3.4000	194
BLOWER DRIVE SHAFT THRU 8VA-210481	3.4000A	19
BLOWER DRIVE SHAFT EFF. WITH 8VA-210482 AND THRU 8VA-431097	3.4000A	45
BLOWER DRIVE SHAFT EFF. WITH 8VA-431098	3.4000A	56
TURBOCHARGER THRU 8VA-133729	3.5000A	135
TURBOCHARGER EFF. WITH 8VA-133730; STD. EQUIP. PRIOR TO 8VA-246817	3.5000A	166
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
OIL PAN DRAIN TUBE	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-362555	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-362556; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.1000	198
FRESH WATER PUMP	5.1000	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR	7.3000A	•
ENGINE MOUNTS STD. EQUIP. PRIOR TO 8VA-319818	11.1000A	339

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	103
AIR BOX DRAINS	1.1000A	103
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET	1.2000A	151
CRANKSHAFT THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
FLYWHEEL	1.4000A	371
FLYWHEEL HOUSING (SAE #1/2) STD. EQUIP. PRIOR TO 8VA-232897	1.5000A	197
CONNECTING ROD AND PISTON THRU 8VA-341733	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 8VA-341734	1.6000	174
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	151
ROCKER COVER	1.8000A	351
FUEL INJECTOR N70	2.1000A	80
FUEL PUMP	2.2000	126
FUEL FILTER	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1237
GOVERNOR, HYDRAULIC	2.8000A	542
INJECTOR CONTROLS	2.9000	244
AIR INLET HOUSING STD. EQUIP. PRIOR TO 8VA-341763	3.3000A	419
BLOWER THRU 8VA-210481	3.4000	185
BLOWER EFF. WITH 8VA-210482	3.4000	194
BLOWER DRIVE SHAFT	3.4000A	45
TURBOCHARGER STD. EQUIP. PRIOR TO 8VA-246817	3.5000A	166
TURBOCHARGER	3.5000A	360
OIL PUMP	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER THRU 8VA-354396	4.4000A	375
OIL COOLER EFF. WITH 8VA-354397	4.4000A	776
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	340
OIL PAN 17 DEG. INCLINATION, REAR SUMP	4.7000A	170
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 8VA-246817	4.8000A	649
VENTILATING SYSTEM (ON ROCKER COVER) STD. EQUIP. PRIOR TO 8VA-246817	4.8000A	358
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	727
FRESH WATER PUMP	5.1000	176
THERMOSTAT	5.2000B	94
WATER BY-PASS TUBE	5.2000C	142
EXHAUST MANIFOLD	6.1000A	177
STARTING MOTOR 24V., CW	7.3000A	35

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	103
AIR BOX DRAINS	1.1000A	103
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET	1.2000A	155
CRANKSHAFT THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
FLYWHEEL HOUSING (SAE #1)	1.5000A	484
CONNECTING ROD AND PISTON	1.6000	138
CAMSHAFT AND GEAR TRAIN	1.7000	108
BALANCE WEIGHT COVER	1.7000A	144
VALVE OPERATING MECHANISM	1.8000	151
ROCKER COVER	1.8000A	150
FUEL INJECTOR N80	2.1000A	82
FUEL PUMP	2.2000	126
FUEL FILTER	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1223
GOVERNOR, MECHANICAL	2.7000A	1115
INJECTOR CONTROLS THRU 8VA-243098	2.9000	202
INJECTOR CONTROLS EFF. WITH 8VA-243099 AND THRU 8VA-320162	2.9000	226
INJECTOR CONTROLS EFF. WITH 8VA-320163	2.9000	232
AIR SILENCER	3.2000A	42
AIR INLET HOUSING STD. EQUIP. PRIOR TO 8VA-339543	3.3000A	405
BLOWER THRU 8VA-210481	3.4000	108
BLOWER EFF. WITH 8VA-210482	3.4000	195
BLOWER DRIVE SHAFT THRU 8VA-233970	3.4000A	19
BLOWER DRIVE SHAFT EFF. WITH 8VA-233971	3.4000A	45
TURBOCHARGER	3.5000A	143
OIL PUMP	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	391
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	297
OIL COOLER THRU 8VA-354396	4.4000A	375
OIL COOLER EFF. WITH 8VA-354397	4.4000A	776
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	351
OIL PAN	4.7000A	556
VENTILATING SYSTEM	4.8000A	627
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	358
FRESH WATER PUMP THRU 8VA-369340	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-369341	5.1000	198
THERMOSTAT	5.2000B	178
WATER BY-PASS TUBE	5.2000C	347
WATER CONNECTIONS	5.3000B	309
EXHAUST MANIFOLD	6.1000A	127
STARTING MOTOR 24V.	7.3000A	35

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	103
AIR BOX DRAINS (WBP) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	103
AIR BOX DRAINS (WBP)	1.1000A	•
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT THRU 8VAW-1183	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT WITH 8VAW-1184	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-122722	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 8VA-122723 AND THRU 8VA-13409	1.6000	128
CONNECTING ROD AND PISTON THRU 8VAW-1183	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 8VA-131410 AND THRU 8VA-341733	1.6000	138
CONNECTING ROD AND PISTON WITH 8VAW-1184	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 8VA-341734; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	151
ROCKER COVER	1.8000A	•
FUEL INJECTOR N75	2.1000A	81
FUEL PUMP STD. EQUIP. PRIOR TO 8VA-111289	2.2000	153
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	343
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1457
GOVERNOR-MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 8VA-180650	3.4000	108
BLOWER EFF. WITH 8VA-180651; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	195
BLOWER	3.4000	•
BLOWER DRIVE SHAFT THRU 8VA-180650	3.4000A	19
BLOWER DRIVE SHAFT EFF. WITH 8VA-180651 AND THRU 8VA-431097	3.4000A	45
BLOWER DRIVE SHAFT EFF. WITH 8VA-431098	3.4000A	56
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM (CRANKCASE)	4.8000A	•
VENTILATING SYSTEM (ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	103
AIR BOX DRAINS	1.1000A	127
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	69
CRANKSHAFT FRONT COVER	1.3000A	56
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	174
CAMSHAFT AND GEAR TRAIN	1.7000	100
BALANCE WEIGHT COVER	1.7000A	44
ACCESSORY DRIVE	1.7000B	•
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 8VA-431097	3.4000	196
BLOWER EFF. WITH 8VA-431098	3.4000	407
BLOWER DRIVE SHAFT THRU 8VA-431097	3.4000A	45
BLOWER DRIVE SHAFT EFF. WITH 8VA-431098	3.4000A	56
TURBOCHARGER	3.5000A	389
OIL PUMP	4.1000A	132
OIL DISTRIBUTION SYSTEM	4.1000B	466
OIL PRESSURE REGULATOR	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	963
OIL PAN	4.7000A	561
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	200
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
TACHOMETER DRIVE	7.4000B	•
ENGINE MOUNTING	11.1000A	•
AIR COMPRESSOR	12.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	103
AIR BOX DRAINS	1.1000A	143
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	157
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	69
CRANKSHAFT FRONT COVER	1.3000A	56
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	174
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	44
ACCESSORY DRIVE	1.7000B	•
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	195
BLOWER DRIVE SHAFT	3.4000A	45
TURBOCHARGER	3.5000A	256
OIL PUMP	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	28
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	591
OIL PAN	4.7000A	610
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	198
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
ENGINE MOUNTING	11.1000A	•
AIR COMPRESSOR	12.4000A	•

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	162
AIR BOX DRAINS	1.1000A	111
CYLINDER HEAD	1.2000	39
ENGINE LIFTER BRACKET FRT. COVER	1.2000A	167
ENGINE LIFTER BRACKET CYL. HEAD	1.2000A	166
CRANKSHAFT THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	56
FLYWHEEL THRU 8VA-352892	1.4000A	755
FLYWHEEL EFF. WITH 8VA-352893; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	895
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	554
CONNECTING ROD AND PISTON THRU 8VA-355915	1.6000	143
CONNECTING ROD AND PISTON WITH 8VA-355916 AND THRU 8VA-362288	1.6000	138
CONNECTING ROD AND PISTON WITH 8VA-362289; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	184
CAMSHAFT AND GEAR TRAIN THRU 8VA-375882	1.7000	40
CAMSHAFT AND GEAR TRAIN EFF. WITH 8VA-375883 AND THRU 8VA-399255	1.7000	100
CAMSHAFT AND GEAR TRAIN EFF. WITH 8VA-399256	1.7000	180
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	151
ROCKER COVER	1.8000A	397
FUEL INJECTOR N80	2.1000A	82
FUEL PUMP THRU 8VA-399498	2.2000	146
FUEL PUMP EFF. WITH 8VA-399499	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	266
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1443
GOVERNOR, MECHANICAL	2.7000A	1649
INJECTOR CONTROLS	2.9000	232
AIR INLET HOUSING	3.3000A	551
BLOWER	3.4000	151
BLOWER DRIVE SHAFT	3.4000A	27
TURBOCHARGER THRU 8VA-429112	3.5000A	317
TURBOCHARGER EFF. WITH 8VA-429113	3.5000A	655
OIL PUMP	4.1000A	68
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	219
OIL PRESSURE REGULATOR THRU 8VA-378883	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 8VF-378884	4.1000C	24
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	139
OIL COOLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	741
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	176
OIL PAN THRU 8VA-415447	4.7000A	254
OIL PAN EFF. WITH 8VA-415448; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	703
VENTILATING SYSTEM THRU 8VA-399557	4.8000A	572
VENTILATING SYSTEM EFF. WITH 8VA-399558; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	748
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	727
FRESH WATER PUMP THRU 8VA-370082	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-370083 AND THRU 8VA-399320	5.1000	198
FRESH WATER PUMP EFF. WITH 8VA-399321	5.1000	209
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	101
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	398
WATER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	348
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	478
STARTING MOTOR 24V	7.3000A	235
AIR HEATER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.8000A	185

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	162
AIR BOX DRAINS	1.1000A	111
CYLINDER HEAD	1.2000	33
ENGINE LIFTER BRACKET	1.2000A	166
CRANKSHAFT THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	56
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	64
FLYWHEEL THRU 8VA-352892	1.4000A	755
FLYWHEEL EFF. WITH 8VA-352893; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	895
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	554
CONNECTING ROD AND PISTON THRU 8VA-355915	1.6000	143
CONNECTING ROD AND PISTON EFF. WITH 8VA-355916 AND THRU 8VA-362288	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 8VA-362289; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	184
CAMSHAFT AND GEAR TRAIN	1.7000	421
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	151
ROCKER COVER	1.8000A	357
FUEL INJECTOR N80	2.1000A	82
FUEL PUMP THRU 8VA-399498	2.2000	153
FUEL PUMP EFF. WITH 8VA-399499	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	178
FUEL PUMP	2.2000	177
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1444
GOVERNOR, MECHANICAL	2.7000A	1649
INJECTOR CONTROLS	2.9000	232
AIR INLET HOUSING	3.3000A	552
BLOWER	3.4000	108
BLOWER DRIVE SHAFT	3.4000A	27
TURBOCHARGER THRU 8VA-428971	3.5000A	318
TURBOCHARGER EFF. WITH 8VA-428972; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.5000A	654
OIL PUMP	4.1000A	68
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	219
OIL PRESSURE REGULATOR THRU 8VA-378883	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 8VA-378884	4.1000C	24
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	139
OIL COOLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	741
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	263
OIL PAN THRU 8VA-415447	4.7000A	254
OIL PAN EFF. WITH 8VA-415448; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	703
VENTILATING SYSTEM THRU 8VA-399557	4.8000A	572
VENTILATING SYSTEM EFF. WITH 8VA-399558; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	748
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	727
FRESH WATER PUMP THRU 8VA-370082	5.1000	174
FRESH WATER PUMP EFF. WITH 8VA-370083	5.1000	200
WATER OUTLET MANIFOLD	5.2000A	103
WATER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	162
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	479
STARTING MOTOR 24V.	7.3000A	235
AIR HEATER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.8000A	186

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	162
AIR BOX DRAINS	1.1000A	111
CYLINDER HEAD	1.2000	39
ENGINE LIFTER BRACKET	1.2000A	157
CRANKSHAFT THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
FLYWHEEL	1.4000A	929
FLYWHEEL HOUSING	1.5000A	188
CONNECTING ROD AND PISTON THRU 8VA-362288	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 8VA-362289; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	184
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	151
ROCKER COVER	1.8000A	357
FUEL INJECTOR	2.1000A	82
FUEL PUMP THRU 8VA-404993	2.2000	154
FUEL PUMP EFF. WITH 8VA-404994	2.2000	175
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1238
GOVERNOR, MECHANICAL	2.7000A	1649
INJECTOR CONTROLS	2.9000	251
AIR INLET HOUSING	3.3000A	426
BLOWER THRU 8VA-431097	3.4000	196
BLOWER EFF. WITH 8VA-431098	3.4000	412
BLOWER DRIVE SHAFT THRU 8VA-431097	3.4000A	45
BLOWER DRIVE SHAFT EFF. WITH 8VA-431098	3.4000A	56
TURBOCHARGER	3.5000A	149
OIL PUMP	4.1000A	127
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	443
OIL PRESSURE REGULATOR	4.1000C	19
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	274
OIL COOLER	4.4000A	751
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	676
OIL PAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	653
VENTILATING SYSTEM THRU 8VA-307812	4.8000A	556
VENTILATING SYSTEM EFF. WITH 8VA-307813; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	747
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	727
FRESH WATER PUMP	5.1000	198
THERMOSTAT	5.2000B	74
WATER BYPASS TUBE	5.2000C	136
EXHAUST MANIFOLD	6.1000A	374
AIR HEATER	7.8000A	176

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	42
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	111
AIR BOX DRAINS	1.1000A	69
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET	1.2000A	59
CRANKSHAFT THRU 8VA-118586	1.3000	27
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	56
FLYWHEEL THRU 8VA-352892	1.4000A	756
FLYWHEEL EFF. WITH 8VA-352893; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	895
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	554
CONNECTING ROD AND PISTON THRU 8VA-294356	1.6000	38
CONNECTING ROD AND PISTON EFF. WITH 8VA-294357 AND THRU 8VA-362288	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 8VA-362289; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	184
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER THRU 8VA-138607	1.7000A	19
BALANCE WEIGHT COVER EFF. WITH 8VA-138608	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	346
FUEL INJECTOR STD. EQUIP. PRIOR TO 8VA-214963	2.1000A	50
FUEL PUMP THRU 8VA-131726	2.2000	51
FUEL PUMP EFF. WITH 8VA-131727 AND THRU 8VA-399498	2.2000	146
FUEL PUMP EFF. WITH 8VA-399499	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	266
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	474
GOVERNOR, MECHANICAL	2.7000A	1649
INJECTOR CONTROLS THRU 8VA-266918	2.9000	96
INJECTOR CONTROLS EFF. WITH 8VA-266919	2.9000	251
AIR INLET HOUSING	3.3000A	240
BLOWER	3.4000	78
BLOWER DRIVE SHAFT	3.4000A	27
TURBOCHARGER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE OPTION PLATE	3.5000A	85
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	68
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	219
OIL PRESSURE REGULATOR THRU 8VA-378883	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 8VA-378884	4.1000C	24
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	139
OIL COOLER THRU 8VA-328755	4.4000A	539
OIL COOLER EFF. WITH 8VA-328756; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	741
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	176
OIL PAN THRU 8VA-415447	4.7000A	254
OIL PAN EFF. WITH 8VA-415448; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	703
VENTILATING SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	285
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-370082	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-370083 AND THRU 8VA-399320	5.1000	198
FRESH WATER PUMP EFF. WITH 8VA-399321	5.1000	209
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	101
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	180
WATER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	171
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 8VA-263129	6.1000A	186
STARTING MOTOR	7.3000A	235
AIR HEATER	7.8000A	175

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	121
AIR BOX DRAINS	1.1000A	69
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	111
CYLINDER HEAD	1.2000	33
ENGINE LIFTER BRACKET	1.2000A	166
CRANKSHAFT THRU 8VA-118586	1.3000	28
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	56
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	64
FLYWHEEL THRU 8VA-352892	1.4000A	755
FLYWHEEL EFF. WITH 8VA-352893; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	895
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	554
CONNECTING ROD AND PISTON THRU 8VA-294356	1.6000	38
CONNECTING ROD AND PISTON EFF. WITH 8VA-294357 AND THRU 8VA-362288	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 8VA-362289; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	184
CAMSHAFT AND GEAR TRAIN THRU 8VA-349267	1.7000	59
CAMSHAFT AND GEAR TRAIN EFF. WITH 8VA-349268	1.7000	180
BALANCE WEIGHT COVER THRU 8VA-114114	1.7000A	18
BALANCE WEIGHT COVER EFF. WITH 8VA-114115	1.7000A	44
ACCESSORY DRIVE STD. EQUIP. PRIOR TO 8VA-246052	1.7000B	46
VALVE OPERATING MECHANISM	1.8000	151
ROCKER COVER	1.8000A	346
FUEL INJECTOR S80 STD. EQUIP. PRIOR TO 8VA-214963	2.1000A	50
FUEL PUMP THRU 8VA-131726	2.2000	56
FUEL PUMP EFF. WITH 8VA-131727 AND THRU 8VA-399498	2.2000	153
FUEL PUMP EFF. WITH 8VA-399499	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	178
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	564
GOVERNOR, MECHANICAL STD. EQUIP. PRIOR TO 8VA-246052	2.7000A	1649
INJECTOR CONTROLS THRU 8VA-266918	2.9000	96
INJECTOR CONTROLS EFF. WITH 8VA-266919	2.9000	251
AIR INLET HOUSING	3.3000A	203
BLOWER	3.4000	74
BLOWER DRIVE SHAFT	3.4000A	27
TURBOCHARGER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.5000A	78
OIL PUMP	4.1000A	68
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	219
OIL PRESSURE REGULATOR THRU 8VA-378883	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 8VA-378884	4.1000C	24
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	139
OIL COOLER THRU 8VA-328755	4.4000A	539
OIL COOLER EFF. WITH 8VA-328756; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	741
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	263
OIL PAN THRU 8VA-415447	4.7000A	254
OIL PAN EFF. WITH 8VA-415448; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	703
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 8VA-246052	4.8000A	252
FRESH WATER PUMP THRU 8VA-177723	5.1000	63
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-370082	5.1000	174
FRESH WATER PUMP EFF. WITH 8VA-370083	5.1000	200
WATER OUTLET MANIFOLD	5.2000A	103
WATER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	162
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	205
STARTING MOTOR 24V.	7.3000A	235
AIR HEATER	7.8000A	155

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	159
AIR BOX DRAINS	1.1000A	143
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET	1.2000A	147
CRANKSHAFT	1.3000	69
CRANKSHAFT PULLEY	1.3000C	114
CRANKSHAFT PULLEY BELT	1.3000D	209
FLYWHEEL	1.4000A	886
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	177
CAMSHAFT AND GEAR TRAIN	1.7000	395
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	357
FUEL INJECTOR	2.1000A	153
FUEL PUMP	2.2000	174
FUEL FILTER	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1289
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	271
AIR INLET HOUSING	3.3000A	634
BLOWER	3.4000	382
BLOWER DRIVE SHAFT	3.4000A	56
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 8VA-428953	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 8VA-428954	4.1000C	28
OIL FILTER	4.2000A	410
OIL COOLER	4.4000A	624
OIL FILLER	4.5000A	125
OIL PAN	4.7000A	610
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	727
FRESH WATER PUMP	5.1000	198
THERMOSTAT	5.2000B	306
WATER BYPASS TUBE	5.2000C	136
FAN	5.4000A	1275
EXHAUST MANIFOLD	6.1000A	177
BATTERY CHARGING GENERATOR	7.1000A	1825
STARTING MOTOR	7.3000A	35
INSTRUMENTS	7.4000A	21

• STANDARD OPTION REFER TO OPTION PLATE.

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DETROIT DIESEL V-71 MPC ENGINES

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	103
AIR BOX DRAINS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	161
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	77
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	308
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	257
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	513
BLOWER DRIVE SHAFT	3.4000A	56
TURBOCHARGER	3.5000A	•
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	131
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	28
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	198
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	140
AIR BOX DRAINS	1.1000A	111
CYLINDER HEAD	1.2000	39
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	157
CRANKSHAFT	1.3000	69
FLYWHEEL	1.4000A	929
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	209
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	151
ROCKER COVER	1.8000A	357
FUEL INJECTOR N-140	2.1000A	127
FUEL PUMP	2.2000	175
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1238
MECHANICAL GOVERNOR	2.7000A	1649
INJECTOR CONTROLS	2.9000	249
BLOWER THRU 8VA-431097	3.4000	218
BLOWER EFF. WITH 8VA-431098	3.4000	403
BLOWER DRIVE SHAFT THRU 8VA-431097	3.4000A	45
BLOWER DRIVE SHAFT EFF. WITH 8VA-431098	3.4000A	56
AFTERCOOLER ASSY.	3.5000A	695
OIL PUMP	4.1000A	127
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	443
OIL PRESSURE REGULATOR	4.1000C	19
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	274
OIL COOLER	4.4000A	751
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	676
OIL PAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	653
VENTILATING SYSTEM	4.8000A	747
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	727
FRESH WATER PUMP	5.1000	198
THERMOSTAT	5.2000B	263
WATER BYPASS TUBE	5.2000C	136
STARTING MOTOR (24V)	7.3000A	235

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	39
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	24
CRANKSHAFT PULLEY	1.3000C	134
CRANKSHAFT PULLEY BELT	1.3000D	167
FLYWHEEL	1.4000A	170
FLYWHEEL HOUSING (SAE #1)	1.5000A	192
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	43
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP	2.2000	71
FUEL FILTER	2.3000A	365
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	795
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	96
THROTTLE CONTROLS	2.9000A	567
AIR CLEANER	3.1000A	237
AIR INLET HOUSING	3.3000A	183
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	424
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	340
OIL PAN (10 DEG. INCLINATION)	4.7000A	170
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM	4.8000A	306
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	94
WATER BY-PASS TUBE	5.2000C	142
RADIATOR	5.3000A	67
WATER CONNECTIONS	5.3000B	131
FAN	5.4000A	311
FAN SHROUD	5.4000B	44
EXHAUST MANIFOLD	6.1000A	221
EXHAUST MUFFLER FLANGE	6.2000A	232
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	735
STARTING MOTOR 24V., DYER DRIVE	7.3000A	35
INSTRUMENTS	7.4000A	447
TACHOMETER DRIVE	7.4000B	468
WIRING HARNESS	7.7000A	294
POWER TAKE-OFF	8.1000A	188
ENGINE HOODS	10.1000A	99
ENGINE MOUNTS	11.1000A	341
ENGINE BASE	11.1000A	391

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	39
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 8VA-397774	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 8VA-397775 AND THRU 8VA-417001	1.1000A	126
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 8VA-417002	1.1000A	143
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-316612	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 8VA-316612; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	43
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP (WITH 3/8" INLET LINES) STD. EQUIP. PRIOR TO 8VA-22937	2.2000	8
FUEL PUMP (WITH 1/2" INLET LINES)	2.2000	•
FUEL FILTER (1/2" INLET LINES)	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (1/2" FUEL INLET)	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR CLEANER	3.1000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 8VA-361351	3.4000	66
BLOWER EFF. WITH 8VA-361352	3.4000	243
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-373691	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-373692	5.1000	198
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	884
TACHOMETER DRIVE	7.4000B	615
POWER TAKE-OFF	8.1000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	39
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 8VA-397774	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 8VA-397775 AND THRU 8VA-417001	1.1000A	126
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 8VA-417002	1.1000A	143
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	920
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON THRU 8VA-316612	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 8VA-316613; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	43
BALANCE WEIGHT COVER THRU 8VA-138607	1.7000A	19
BALANCE WEIGHT COVER EFF. WITH 8VA-138608	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER	1.8000A	346
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 8VA-131726	2.2000	88
FUEL PUMP EFF. WITH 8VA-131727 AND THRU 8VA-401630	2.2000	150
FUEL PUMP EFF. WITH 8VA-401631	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, HYDRAULIC	2.8000A	•
INJECTOR CONTROLS THRU APPROXIMATELY 8VA-383124	2.9000	117
INJECTOR CONTROLS EFF. WITH APPROXIMATELY 8VA-383125	2.9000	244
THROTTLE CONTROLS	2.9000A	•
AIR CLEANER	3.1000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 8VA-361351	3.4000	66
BLOWER EFF. WITH 8VA-361352	3.4000	243
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	59
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER THRU 8VA-411112	4.2000A	204
OIL FILTER EFF. WITH 8VA-411113	4.2000A	410
OIL COOLER THRU 8VA-429775	4.4000A	375
OIL COOLER EFF. WITH 8VA-429776	4.4000A	929
OIL FILLER	4.5000A	125
DIPSTICK THRU 8VA-397774	4.6000A	340
DIPSTICK EFF. WITH 8VA-397775 AND THRU 8VA-418960	4.6000A	964
DIPSTICK EFF. WITH 8VA-418961; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE SHOWN ON OPTION PLATE	4.600 0A	1039
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	169
VENTILATING SYSTEM THRU 8VA-151131	4.8000A	255
VENTILATING SYSTEM EFF. WITH 8VA-151132; STD. EQUIP. PRIOR TO 8VA-370086	4.8000A	624
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-407063	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-407064	5.1000	198
THERMOSTAT	5.2000B	93
WATER BYPASS TUBE	5.2000C	142
WATER CONNECTIONS THRU 8VA-427743	5.3000B	124
WATER CONNECTIONS EFF. WITH 8VA-427744	5.3000B	370
HEAT EXCHANGER	5.5000A	404
EXHAUST MANIFOLD THRU 8VA-427743	6.1000A	127
EXHAUST MANIFOLD EFF. WITH 8VA-427744	6.1000A	532
EXHAUST MUFFLER FLANGE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.2000A	25
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
STARTING MOTOR 24V	7.3000A	34
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
POWER TAKE-OFF	8.1000A	•
ENGINE BASE	11.1000A	391

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	39
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587	1.3000	53
CRANKSHAFT PULLEY	1.3000C	134
CRANKSHAFT PULLEY BELT	1.3000D	134
FLYWHEEL	1.4000A	170
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR N55	2.1000A	77
FUEL PUMP (WITH 3/8" INLET LINES) STD. EQUIP. PRIOR TO 8VA-22937	2.2000	8
FUEL PUMP (WITH 1/2" INLET LINES)	2.2000	126
FUEL FILTER THRU 8VA-1669	2.3000A	204
FUEL FILTER (WITH 3/8" INLET LINES) EFF. WITH 8VA-1670 AND THRU 8VA-22937	2.3000A	233
FUEL FILTER (WITH 1/2" INLET LINES)	2.3000A	360
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES THRU 8VA-1669	2.5000A	438
FUEL LINES (3/8" INLET LINES) EFF. WITH 8VA-1670 AND THRU 8VA-22937	2.5000A	516
FUEL LINES (1/2" INLET LINES)	2.5000A	1265
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS STD. EQUIP. THRU 8VA-410	2.9000	96
THROTTLE CONTROLS	2.9000A	567
AIR CLEANER	3.1000A	237
AIR INLET HOUSING	3.3000A	183
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	375
OIL FILLER CAP	4.5000A	46
DIPSTICK	4.6000A	340
OIL PAN (10 DEG. INCLINATION)	4.7000A	169
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM	4.8000A	608
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724	5.1000	176
THERMOSTAT STD. EQUIP. PRIOR TO 8VA-787	5.2000B	74
THERMOSTAT	5.2000B	94
WATER BY-PASS TUBE	5.2000C	142
RADIATOR	5.3000A	67
WATER CONNECTIONS	5.3000B	131
FAN	5.4000A	311
FAN SHROUD	5.4000B	44
EXHAUST MANIFOLD	6.1000A	221
EXHAUST MUFFLER FLANGE	6.2000A	232
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	735
STARTING MOTOR 24V., DYER DRIVE	7.3000A	35
INSTRUMENTS	7.4000A	849
TACHOMETER DRIVE	7.4000B	614
WIRING HARNESS	7.7000A	294
POWER TAKE-OFF	8.1000A	188
ENGINE HOODS	10.1000A	99
ENGINE MOUNTS	11.1000A	341
ENGINE BASE	11.1000A	391

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	103
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587	1.3000	53
CRANKSHAFT PULLEY	1.3000C	114
CRANKSHAFT PULLEY BELT	1.3000D	78
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR N55	2.1000A	77
FUEL PUMP	2.2000	126
FUEL FILTER	2.3000A	360
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1265
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	96
THROTTLE CONTROLS	2.9000A	567
AIR CLEANER	3.1000A	237
AIR INLET HOUSING	3.3000A	183
BLOWER	3.4000	85
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	261
OIL COOLER	4.4000A	397
OIL FILLER CAP	4.5000A	46
DIPSTICK	4.6000A	345
OIL PAN	4.7000A	169
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM	4.8000A	608
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724	5.1000	176
THERMOSTAT	5.2000B	94
WATER BY-PASS TUBE	5.2000C	142
RADIATOR	5.3000A	65
WATER CONNECTIONS	5.3000B	131
FAN	5.4000A	311
FAN SHROUD	5.4000B	44
EXHAUST MANIFOLD	6.1000A	221
EXHAUST MUFFLER FLANGE	6.2000A	232
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	735
STARTING MOTOR 24V.	7.3000A	35
INSTRUMENTS	7.4000A	886
TACHOMETER DRIVE	7.4000B	618
WIRING HARNESS	7.7000A	294
TORQUE CONVERTER	8.3000A	421
TORQUE CONVERTER LINES	8.3000B	179
ENGINE HOODS	10.1000A	99
ENGINE MOUNTS	11.1000A	341
ENGINE BASE	11.1000A	397

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	39
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 8VA-397774	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 8VA-397775 AND THRU 8VA-417001	1.1000A	126
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 8VA-417002	1.1000A	143
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 8VA-316612	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 8VA-316612; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	40
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	346
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP (WITH 3/8" INLET LINES) STD. EQUIP. PRIOR TO 8VA-22937	2.2000	8
FUEL PUMP (WITH 1/2" INLET LINES)	2.2000	•
FUEL FILTER (1/2" INLET LINES)	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (1/2" FUEL INLET)	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR CLEANER	3.1000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU APPROXIMATELY 8VA-90686	3.4000	66
BLOWER EFF. WITH APPROXIMATELY 8VA-90687 AND THRU 8VA-361351	3.4000	85
BLOWER EFF. WITH 8VA-361352	3.4000	243
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	136
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 8VA-428953	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 8VA-428954	4.1000C	28
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER CAP, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-373691	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-373692	5.1000	198
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 8VA-427743	5.3000B	124
WATER CONNECTIONS EFF. WITH 8VA-427744; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	370
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
POWER TAKE-OFF	8.1000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	39
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 8VA-397774	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 8VA-397775 AND THRU 8VA-417001	1.1000A	126
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 8VA-417002	1.1000A	143
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587 AND THRU 8VA-352892	1.3000	53
CRANKSHAFT EFF. WITH 8VA-352893	1.3000	69
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON THRU 8VA-316612	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 8VA-316613; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	40
BALANCE WEIGHT COVER THRU 8VA-138607	1.7000A	19
BALANCE WEIGHT COVER EFF. WITH 8VA-138608	1.7000A	44
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	25
ROCKER COVER	1.8000A	346
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 8VA-131726	2.2000	88
FUEL PUMP EFF. WITH 8VA-131727 AND THRU 8VA-401630	2.2000	150
FUEL PUMP EFF. WITH 8VA-401631	2.2000	174
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, HYDRAULIC	2.8000A	•
INJECTOR CONTROLS THRU APPROXIMATELY 8VA-383124	2.9000	117
INJECTOR CONTROLS EFF. WITH APPROXIMATELY 8VA-383125	2.9000	244
THROTTLE CONTROLS	2.9000A	•
AIR CLEANER	3.1000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU APPROXIMATELY 8VA-90686	3.4000	66
BLOWER EFF. WITH APPROXIMATELY 8VA-90687 AND THRU 8VA-361351	3.4000	85
BLOWER EFF. WITH 8VA-361352	3.4000	243
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	131
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR THRU 8VA-428953	4.1000C	10
OIL PRESSURE REGULATOR EFF. WITH 8VA-428954	4.1000C	28
OIL FILTER THRU 8VA-411112	4.2000A	204
OIL FILTER EFF. WITH 8VA-411113	4.2000A	410
OIL COOLER THRU 8VA-429775	4.4000A	375
OIL COOLER EFF. WITH 8VA-429776	4.4000A	929
OIL FILLER	4.5000A	125
DIPSTICK THRU 8VA-397774	4.6000A	340
DIPSTICK EFF. WITH 8VA-397775 AND THRU 8VA-418960	4.6000A	964
DIPSTICK EFF. WITH 8VA-418961; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	1039
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	169
VENTILATING SYSTEM THRU 8VA-151131	4.8000A	255
VENTILATING SYSTEM EFF. WITH 8VA-151132; STD. PRIOR TO 8VA-370086	4.8000A	624
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724 AND THRU 8VA-407063	5.1000	176
FRESH WATER PUMP EFF. WITH 8VA-407064	5.1000	198
THERMOSTAT	5.2000B	93
WATER BYPASS TUBE	5.2000C	142
WATER CONNECTIONS THRU 8VA-427743	5.3000B	124
WATER CONNECTIONS EFF. WITH 8VA-427744	5.3000B	370
HEAT EXCHANGER	5.5000A	404
EXHAUST MANIFOLD THRU 8VA-427743	6.1000A	127
EXHAUST MANIFOLD EFF. WITH 8VA-427744	6.1000A	532
EXHAUST MUFFLER FLANGE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.2000A	25

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
EXHAUST MUFFLER FLANGE	6.2000A	●
BATTERY CHARGING GENERATOR	7.1000A	●
STARTING MOTOR	7.3000A	●
INSTRUMENTS	7.4000A	●
TACHOMETER DRIVE	7.4000B	●
POWER TAKE-OFF	8.1000A	●

● STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	39
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587	1.3000	53
CRANKSHAFT PULLEY	1.3000C	134
CRANKSHAFT PULLEY BELT	1.3000D	211
FLYWHEEL	1.4000A	170
FLYWHEEL HOUSING (SAE #1)	1.5000A	192
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP (3/8" INLET LINES) STD. EQUIP. PRIOR TO 8VA-22937	2.2000	8
FUEL PUMP (1/2" INLET LINES)	2.2000	126
FUEL FILTER THRU 8VA-1669	2.3000A	204
FUEL FILTER (3/8" INLET LINES) EFF. WITH 8VA-1670; STD. EQUIP. PRIOR TO 8VA-22937	2.3000A	233
FUEL FILTER (1/2" INLET LINES)	2.3000A	365
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES THRU 8VA-1669	2.5000A	438
FUEL LINES (3/8" INLET LINES) EFF. WITH 8VA-1670; STD. EQUIP. PRIOR TO 8VA-22937	2.5000A	516
FUEL LINES (1/2" INLET LINES)	2.5000A	795
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS STD. EQUIP. PRIOR TO 8VA-410	2.9000	96
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	567
AIR CLEANER	3.1000A	237
AIR INLET HOUSING	3.3000A	183
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	424
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	340
OIL PAN	4.7000A	169
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM	4.8000A	608
FRESH WATER PUMP	5.1000	42
THERMOSTAT STD. EQUIP. PRIOR TO 8VA-787	5.2000B	74
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	142
RADIATOR	5.3000A	67
WATER CONNECTIONS	5.3000B	131
FAN	5.4000A	311
FAN SHROUD	5.4000B	44
EXHAUST MANIFOLD	6.1000A	221
EXHAUST MUFFLER FLANGE	6.2000A	232
BATTERY CHARGING GENERATOR	7.1000A	735
STARTING MOTOR	7.3000A	35
INSTRUMENTS	7.4000A	447
TACHOMETER DRIVE	7.4000B	11
WIRING HARNESS	7.7000A	294
CLUTCH	8.1000A	330
ENGINE HOODS	10.1000A	99
ENGINE MOUNTS	11.1000A	341
ENGINE BASE	11.1000A	391

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS THRU 8VA-1093	1.1000A	39
AIR BOX DRAINS EFF. WITH 8VA-1094	1.1000A	34
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587	1.3000	53
CRANKSHAFT PULLEY	1.3000C	114
CRANKSHAFT PULLEY BELT	1.3000D	78
FLYWHEEL	1.4000A	
FLYWHEEL HOUSING (SAE 1)	1.5000A	192
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR S60	2.1000A	42
FUEL PUMP (3/8" INLET LINES) STD. EQUIP. PRIOR TO 8VA-22937	2.2000	8
FUEL PUMP (1/2" INLET LINES)	2.2000	126
FUEL FILTER THRU 8VA-1605	2.3000A	195
FUEL FILTER (3/8" INLET LINES) EFF. WITH 8VA-1606; STD. EQUIP. PRIOR TO 8VA-22937	2.3000A	233
FUEL FILTER (1/2" INLET LINES)	2.3000A	365
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES THRU 8VA-1605	2.5000A	438
FUEL LINES (3/8" INLET LINES) EFF. WITH 8VA-1606; STD. EQUIP. PRIOR TO 8VA-22937	2.5000A	516
FUEL LINES (1/2" INLET LINES)	2.5000A	795
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	96
THROTTLE CONTROLS	2.9000A	567
AIR CLEANER	3.1000A	237
AIR INLET HOUSING	3.3000A	183
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	261
OIL COOLER	4.4000A	397
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	345
OIL PAN	4.7000A	169
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM	4.8000A	306
FRESH WATER PUMP	5.1000	42
THERMOSTAT STD. EQUIP. PRIOR TO 8VA-787	5.2000B	74
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	142
RADIATOR	5.3000A	65
WATER CONNECTIONS	5.3000B	131
FAN	5.4000A	311
FAN SHROUD	5.4000B	44
EXHAUST MANIFOLD	6.1000A	221
EXHAUST MUFFLER FLANGE	6.2000A	232
BATTERY CHARGING GENERATOR	7.1000A	735
STARTING MOTOR	7.3000A	35
INSTRUMENTS	7.4000A	460
TACHOMETER DRIVE	7.4000B	190
WIRING HARNESS	7.7000A	294
TORQUE CONVERTER	8.3000A	421
TORQUE CONVERTER SUPPORTS	8.3000A	461
TORQUE CONVERTER LINES	8.3000B	100
ENGINE HOODS	10.1000A	99
ENGINE MOUNTS	11.1000A	341
ENGINE BASE	11.1000A	397

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	39
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	24
CRANKSHAFT PULLEY	1.3000C	134
FLYWHEEL	1.4000A	170
FLYWHEEL HOUSING (SAE #1)	1.5000A	192
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP (WITH 3/8" FUEL LINES) STD. EQUIP. PRIOR TO 8VA-22937	2.2000	8
FUEL PUMP (WITH 1/2" FUEL LINES)	2.2000	126
FUEL FILTER	2.3000A	365
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1188
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	96
THROTTLE CONTROLS	2.9000A	567
AIR CLEANER	3.1000A	237
AIR INLET HOUSING	3.3000A	183
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER	4.2000A	204
OIL COOLER	4.4000A	424
OIL FILLER CAP	4.5000A	46
DIPSTICK	4.6000A	340
OIL PAN (10 DEG. INCLINATION)	4.7000A	169
VENTILATING SYSTEM	4.8000A	306
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	93
WATER BY-PASS TUBE	5.2000C	142
WATER CONNECTIONS	5.3000B	124
HEAT EXCHANGER	5.5000A	312
EXHAUST MANIFOLD	6.1000A	127
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	646
STARTING MOTOR 24V.	7.3000A	35
INSTRUMENTS	7.4000A	447
TACHOMETER DRIVE	7.4000B	10
WIRING HARNESS	7.7000A	294
POWER TAKE-OFF	8.1000A	330
ENGINE MOUNTS	11.1000A	341

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
AIR BOX DRAINS	1.1000A	39
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587	1.3000	53
CRANKSHAFT PULLEY	1.3000C	154
CRANKSHAFT PULLEY BELT THRU 8VA-3568	1.3000D	120
CRANKSHAFT PULLEY BELT EFF. WITH 8VA-3569 AND THRU 8VA-4145	1.3000D	78
CRANKSHAFT PULLEY BELT EFF. WITH 8VA-4146 AND THRU 8VA-11177	1.3000D	105
CRANKSHAFT PULLEY BELT EFF. WITH 8VA-11178	1.3000D	167
FLYWHEEL	1.4000A	371
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR N60	2.1000A	78
FUEL PUMP THRU 8VA-131726	2.2000	8
FUEL PUMP EFF. WITH 8VA-131727	2.2000	126
FUEL FILTER THRU 8VA-1605	2.3000A	195
FUEL FILTER EFF. WITH 8VA-1606	2.3000A	233
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES THRU 8VA-1605	2.5000A	438
FUEL LINES EFF. WITH 8VA-1606	2.5000A	516
GOVERNOR, HYDRAULIC	2.8000A	542
INJECTOR CONTROLS	2.9000	117
THROTTLE CONTROLS	2.9000A	573
AIR CLEANER (HEAVY DUTY OIL BATH)	3.1000A	255
AIR INLET HOUSING	3.3000A	209
BLOWER	3.4000	147
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP THRU 8VA-148562	4.1000A	56
OIL PUMP EFF. WITH 8VA-148563	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER (FULL FLOW) THRU 8VA-2635	4.2000A	113
OIL FILTER (FULL FLOW) EFF. WITH 8VA-2636 AND THRU 8VA-22359	4.2000A	164
OIL FILTER (FULL FLOW) EFF. WITH 8VA-22360, STD. EQUIP. PRIOR TO 8VA-125529	4.2000A	204
OIL COOLER THRU 8VA-15466	4.4000A	267
OIL COOLER EFF. WITH 8VA-15467	4.4000A	375
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK THRU 8VA-10236	4.6000A	152
DIPSTICK EFF. WITH 8VA-10237	4.6000A	340
OIL PAN	4.7000A	169
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	624
FRESH WATER PUMP THRU 8VA-177723	5.1000	42
FRESH WATER PUMP EFF. WITH 8VA-177724	5.1000	176
THERMOSTAT	5.2000B	94
WATER BY-PASS TUBE	5.2000C	142
RADIATOR	5.3000A	67
WATER CONNECTIONS	5.3000B	131
FAN (BLOWER, 36", 8 BLADE)	5.4000A	295
FAN SHROUD	5.4000B	44
EXHAUST MANIFOLD THRU 8VA-10007	6.1000A	156
EXHAUST MANIFOLD EFF. WITH 8VA-10008	6.1000A	227
EXHAUST MUFFLER FLANGE THRU 8VA-10007	6.2000A	195
EXHAUST MUFFLER FLANGE EFF. WITH 8VA-10008	6.2000A	232
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	735
STARTING MOTOR 24V.	7.3000A	35
INSTRUMENTS	7.4000A	850
TACHOMETER DRIVE	7.4000B	561
SHUT-OFF (MECHANICAL AUTOMATIC)	7.4000C	503
SHUT-OFF (OVER SPEED GOVERNOR)	7.4000C	533

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
POWER GENERATOR	7.5000A	192
WIRING HARNESS	7.7000A	294
ENGINE HOOD (SHORT)	10.1000A	99
ENGINE MOUNTS	11.1000A	333
ENGINE BASE	11.1000A	450

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
AIR BOX DRAINS	1.1000A	39
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587	1.3000	53
CRANKSHAFT PULLEY	1.3000C	154
FLYWHEEL	1.4000A	371
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR N60	2.1000A	78
FUEL PUMP THRU 8VA-131726	2.2000	8
FUEL PUMP EFF. WITH 8VA-131727	2.2000	126
FUEL FILTER THRU 8VA-1605	2.3000A	195
FUEL FILTER EFF. WITH 8VA-1606	2.3000A	233
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES THRU 8VA-1605	2.5000A	438
FUEL LINES EFF. WITH 8VA-1606	2.5000A	516
GOVERNOR, HYDRAULIC	2.8000A	542
INJECTOR CONTROLS	2.9000	117
THROTTLE CONTROLS	2.9000A	573
AIR CLEANER	3.1000A	255
AIR INLET HOUSING	3.3000A	204
BLOWER	3.4000	147
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP THRU 8VA-148562	4.1000A	56
OIL PUMP EFF. WITH 8VA-148563	4.1000A	131
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER THRU 8VA-2635	4.2000A	113
OIL FILTER EFF. WITH 8VA-2636 AND THRU 8VA-22359	4.2000A	16[illegible]
OIL FILTER EFF. WITH 8VA-22360	4.2000A	20
OIL COOLER THRU 8VA-15466	4.4000A	2[illegible]
OIL COOLER EFF. WITH 8VA-15467	4.4000A	4[illegible]
OIL FILLER CAP	4.5000A	46
DIPSTICK THRU 8VA-10236	4.6000A	152
DIPSTICK EFF. WITH 8VA-10237	4.6000A	340
OIL PAN	4.7000A	169
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM	4.8000A	624
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	93
WATER BY-PASS TUBE	5.2000C	142
WATER CONNECTIONS	5.3000B	124
HEAT EXCHANGER	5.5000A	312
EXHAUST MANIFOLD	6.1000A	127
EXHAUST MUFFLER FLANGE	6.2000A	25
EXHAUST MUFFLER FLANGE	6.2000A	248
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	735
STARTING MOTOR 24V.	7.3000A	35
INSTRUMENTS	7.4000A	890
TACHOMETER DRIVE	7.4000B	561
AUTOMATIC SHUTDOWN	7.4000C	461
OVERSPEED GOVERNOR	7.4000C	533
POWER GENERATOR	7.5000A	192
WIRING HARNESS	7.7000A	294
ENGINE MOUNTS	11.1000A	333
ENGINE BASE	11.1000A	484

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DETROIT DIESEL V-71 MPC ENGINES

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	39
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	24
CRANKSHAFT PULLEY	1.3000C	154
CRANKSHAFT PULLEY BELT	1.3000D	167
FLYWHEEL (SAE #1/2)	1.4000A	371
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER (WITH OIL FILLER)	1.8000A	44
FUEL INJECTOR (N-60)	2.1000A	78
FUEL PUMP	2.2000	8
FUEL FILTER	2.3000A	233
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	516
GOVERNOR - HYDRAULIC (1200-1800 RPM)	2.8000A	542
INJECTOR CONTROLS	2.9000	117
THROTTLE CONTROLS (WITH CONTROL CABINET)	2.9000A	573
AIR SILENCER	3.2000A	25
AIR INLET HOUSING (WITH AIR SILENCER)	3.3000A	333
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	339
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER (FULL FLOW)	4.2000A	204
OIL COOLER	4.4000A	424
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	340
OIL PAN	4.7000A	170
VENTILATING SYSTEM (WITH AIR SILENCER)	4.8000A	225
FRESH WATER PUMP	5.1000	42
THERMOSTAT (LESS CONTROL CABINET)	5.2000B	94
WATER BY-PASS TUBE	5.2000C	142
RADIATOR	5.3000A	67
WATER CONNECTIONS	5.3000B	131
FAN (BLOWER, 36", 8 BLADE)	5.4000A	295
FAN SHROUD	5.4000B	44
EXHAUST MANIFOLD	6.1000A	227
EXHAUST MUFFLER FLANGE	6.2000A	232
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	735
STARTING MOTOR (24V.)	7.3000A	280
INSTRUMENT PANEL (LESS CONTROL CABINET)	7.4000A	479
TACHOMETER DRIVE	7.4000B	190
AUTOMATIC SHUTDOWN (OVERSPEED GOVERNOR)	7.4000C	601
AUTOMATIC SHUTDOWN (WITH AIR SILENCER)	7.4000C	669
POWER GENERATOR (150KW, 3 PHASE, 60 CYCLE, 1800 RPM)	7.5000A	172
WIRING HARNESS (LESS CONTROL CABINET)	7.7000A	405
ENGINE HOOD (SHORT)	10.1000A	99
ENGINE BASE	11.1000A	552
ENGINE MOUNTING (FRONT AND REAR)	11.1000A	551

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	39
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587	1.3000	53
CRANKSHAFT PULLEY	1.3000C	154
CRANKSHAFT PULLEY BELT THRU 8VA-3568	1.3000D	120
CRANKSHAFT PULLEY BELT EFF. WITH 8VA-3569 AND THRU 8VA-4145	1.3000D	78
CRANKSHAFT PULLEY BELT EFF. WITH 8VA-4146 AND THRU 8VA-11177	1.3000D	105
CRANKSHAFT PULLEY BELT EFF. WITH 8VA-11178	1.3000D	167
FLYWHEEL	1.4000A	371
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR S60	2.1000A	42
FUEL PUMP THRU 8VA-131726	2.2000	8
FUEL PUMP EFF. WITH 8VA-131727	2.2000	126
FUEL FILTER THRU 8VA-1605	2.3000A	195
FUEL FILTER EFF. WITH 8VA-1606	2.3000A	233
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES THRU 8VA-1605	2.5000A	438
FUEL LINES EFF. WITH 8VA-1606	2.5000A	516
GOVERNOR, HYDRAULIC	2.8000A	542
INJECTOR CONTROLS	2.9000	117
THROTTLE CONTROLS	2.9000A	573
AIR CLEANER	3.1000A	255
AIR INLET HOUSING	3.3000A	209
BLOWER	3.4000	147
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER THRU 8VA-2635	4.2000A	113
OIL FILTER EFF. WITH 8VA-2636 AND THRU 8VA-22359	4.2000A	164
OIL FILTER EFF. WITH 8VA-22360	4.2000A	204
OIL COOLER THRU 8VA-15466	4.4000A	267
OIL COOLER EFF. WITH 8VA-15467	4.4000A	424
OIL FILLER	4.5000A	46
DIPSTICK THRU 8VA-10236	4.6000A	152
DIPSTICK EFF. WITH 8VA-10237	4.6000A	340
OIL PAN	4.7000A	169
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM	4.8000A	255
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	94
WATER BY-PASS TUBE	5.2000C	142
RADIATOR	5.3000A	67
WATER CONNECTIONS	5.3000B	131
FAN	5.4000A	295
FAN SHROUD	5.4000B	44
EXHAUST MANIFOLD THRU 8VA-10007	6.1000A	156
EXHAUST MANIFOLD EFF. WITH 8VA-10008	6.1000A	227
EXHAUST MUFFLER FLANGE THRU 8VA-10007	6.2000A	195
EXHAUST MUFFLER FLANGE EFF. WITH 8VA-10008	6.2000A	232
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	735
STARTING MOTOR 24V.	7.3000A	35
INSTRUMENTS	7.4000A	479
TACHOMETER DRIVE	7.4000B	190
AUTOMATIC SHUTDOWN	7.4000C	503
OVERSPEED GOVERNOR	7.4000C	533
POWER GENERATOR	7.5000A	192
WIRING HARNESS	7.7000A	294

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
ENGINE HOODS	10.1000A	99
ENGINE MOUNTS	11.1000A	333
ENGINE BASE	11.1000A	450

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	35
AIR BOX DRAINS	1.1000A	39
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
CYLINDER HEAD	1.2000	28
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 8VA-118586	1.3000	24
CRANKSHAFT EFF. WITH 8VA-118587	1.3000	53
CRANKSHAFT PULLEY	1.3000C	154
FLYWHEEL	1.4000A	371
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	40
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	150
ROCKER COVER	1.8000A	44
FUEL INJECTOR S60	2.1000A	42
FUEL PUMP THRU 8VA-131726	2.2000	8
FUEL PUMP EFF. WITH 8VA-131727	2.2000	126
FUEL FILTER THRU 8VA-1605	2.3000A	195
FUEL FILTER EFF. WITH 8VA-1606	2.3000A	233
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES THRU 8VA-1605	2.5000A	438
FUEL LINES EFF. WITH 8VA-1606	2.5000A	516
GOVERNOR, HYDRAULIC	2.8000A	542
INJECTOR CONTROLS	2.9000	117
THROTTLE CONTROLS	2.9000A	573
AIR CLEANER	3.1000A	255
AIR INLET HOUSING	3.3000A	204
BLOWER	3.4000	147
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	56
OIL DISTRIBUTION SYSTEM	4.1000B	203
OIL PRESSURE REGULATOR	4.1000C	10
OIL FILTER THRU 8VA-2635	4.2000A	113
OIL FILTER EFF. WITH 8VA-2636 AND THRU 8VA-22359	4.2000A	164
OIL FILTER EFF. WITH 8VA-22360	4.2000A	204
OIL COOLER THRU 8VA-15466	4.4000A	267
OIL COOLER EFF. WITH 8VA-15467	4.4000A	424
OIL FILLER	4.5000A	46
DIPSTICK THRU 8VA-10236	4.6000A	152
DIPSTICK EFF. WITH 8VA-10237	4.6000A	340
OIL PAN	4.7000A	169
OIL PAN DRAIN TUBE	4.7000A	394
VENTILATING SYSTEM	4.8000A	255
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	93
WATER BY-PASS TUBE	5.2000C	142
WATER CONNECTIONS	5.3000B	124
HEAT EXCHANGER	5.5000A	312
EXHAUST MANIFOLD	6.1000A	127
EXHAUST MUFFLER FLANGE	6.2000A	25
EXHAUST MUFFLER CONNECTIONS	6.2000A	248
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	735
STARTING MOTOR 24V., DYER DRIVE	7.3000A	35
INSTRUMENTS	7.4000A	499
TACHOMETER DRIVE	7.4000B	190
AUTOMATIC SHUTDOWN	7.4000C	461
OVERSPEED GOVERNOR	7.4000C	533
POWER GENERATOR	7.5000A	192
WIRING HARNESS	7.7000A	294
ENGINE MOUNTS	11.1000A	333
ENGINE BASE	11.1000A	484

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	39
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET (FRONT AND REAR WITH SUPPORT BRACKET)	1.2000A	64
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	52
FLYWHEEL HOUSING	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	18
ACCESSORY DRIVE (SHAFT ONLY, FRONT RIGHT BANK)	1.7000B	80
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER (WITH OIL FILLER)	1.8000A	45
FUEL INJECTOR (N60)	2.1000A	78
FUEL PUMP (HI-CAPACITY)	2.2000	51
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	778
GOVERNOR - MECHANICAL (LIMITING SPEED)	2.7000A	753
INJECTOR CONTROLS	2.9000	112
BLOWER	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	287
OIL PRESSURE REGULATOR	4.1000C	11
OIL COOLER (TWIN 12 PLATE)	4.4000A	246
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	215
OIL PAN	4.7000A	330
VENTILATING SYSTEM	4.8000A	352
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	79
WATER BY-PASS TUBE	5.2000C	141

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	38
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 12VA-62202	1.1000A	103
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 12VA-62203	1.1000A	134
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER THRU 12VA-3222	1.3000B	30
VIBRATION DAMPER EFF. WITH 12VA-3223; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	65
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON (WITH N65 OR LARGER INJECTOR)	1.6000	86
CONNECTING ROD AND PISTON THRU 12VA-44518	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 12VA-44519; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	44
CAMSHAFT AND GEAR TRAIN	1.7000	•
CAMSHAFT AND GEAR TRAIN (CHANGES MODEL 7122-3000 INTO 7122-3100)	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	26
VALVE OPERATING MECHANISM	1.8000	•
VALVE OPERATING MECHANISM (CHANGES MODEL 7122-3000 INTO 7122-3100)	1.8000	40
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	374
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 12VA-2586	2.2000	8
FUEL PUMP EFF. WITH 12VA-2587 AND THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO 12VA-1208	2.3000A	171
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" INLET) STD. EQUIP. PRIOR TO 12VA-1208	2.5000A	431
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53308	3.4000	67
BLOWER EFF. WITH 12VA-53309; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	248
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	•
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER CAP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	126
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	140
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 12VA-76320	5.3000B	125

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
WATER CONNECTIONS EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	369
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	•
EXHAUST MANIFOLD THRU 12VA-76320	6.1000A	128
EXHAUST MANIFOLD EFF. 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	534
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
TACHOMETER DRIVE CABLE	7.4000B	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	38
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 12VA-62202	1.1000A	103
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 12VA-62203	1.1000A	134
CYLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
VIBRATION DAMPER	1.3000B	65
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 12VA-4518	1.6000	88
CONNECTING ROD AND PISTON THRU 12VA-4451; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	44
CAMSHAFT AND GEAR TRAIN	1.7000	•
CAMSHAFT AND GEAR TRAIN (CHANGES MODEL 7122-3001 INTO 7122-3101)	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	26
VALVE OPERATING MECHANISM	1.8000	•
VALVE OPERATING MECHANISM (CHANGES MODEL 7122-3001 INTO 7122-3101)	1.8000	40
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	374
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP EFF. WITH 12VA-2587 AND THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO 12VA-1208	2.3000A	171
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" INLET) STD. EQUIP. PRIOR TO 12VA-1208	2.5000A	431
FUEL LINES (1/2" INLET)	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53308	3.4000	67
BLOWER EFF. WITH 12VA-53309; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	248
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	•
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE AND MARINE GEAR OIL)	4.4000A	•
OIL COOLER (MARINE GEAR LINES)	4.4000A	•
OIL FILLER CAP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	126
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	140
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 12VA-76320	5.3000B	125
WATER CONNECTIONS EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	494
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	•
EXHAUST MANIFOLD THRU 12VA-76320	6.1000A	128
EXHAUST MANIFOLD EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	534
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER FLANGE	6.2000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
TACHOMETER DRIVE CABLE	7.4000B	•
POWER TAKE-OFF	8.1000A	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 12VA-62202	1.1000A	103
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 12VA-62203	1.1000A	134
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	65
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL PART OF HYDRAULIC MARINE GEAR IN 9.1000A	1.4000A	
FLYWHEEL HOUSING	1.5000A	•
FLYWHEEL HOUSING ADAPTOR	1.5000B	•
CONNECTING ROD AND PISTON THRU 12VA-4517	1.6000	117
CONNECTING ROD AND PISTON EFF. WITH 12VA-4518	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	44
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	374
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53308	3.4000	167
BLOWER EFF. WITH 12VA-53309	3.4000	253
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER	4.5000A	126
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	181
WATER OUTLET MANIFOLD	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS THRU 12VA-76320	5.3000B	335
WATER CONNECTIONS EFF. WITH 12VA-76321	5.3000B	381
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	•
EXHAUST MANIFOLD THRU 12VA-76320	6.1000A	128
EXHAUST MANIFOLD EFF. WITH 12VA-76321	6.1000A	534
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
TACHOMETER DRIVE CABLE	7.4000B	•
HYDRAULIC MARINE GEAR	9.1000A	•
HYDRAULIC MARINE GEAR PUMP	9.1000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS(WATER BELOW PORT BLOCK)	1.1000A	103
AIR BOX DRAINS	1.1000A	38
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER(12VA-120)	1.3000A	51
VIBRATION DAMPER THRU 12VA-3222	1.3000B	30
VIBRATION DAMPER EFF. WITH 12VA-3223	1.3000B	65
CRANKSHAFT PULLEY (NO POWER TAKE-OFF)	1.3000C	262
FLYWHEEL (SAE #1)(WITH TWIN DISC MARINE GEAR)	1.4000A	83
FLYWHEEL HOUSING (SAE #1) (WITH TWIN DISC MARINE GEAR)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	44
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	45
FUEL INJECTOR (S60)	2.1000A	45
FUEL PUMP THRU 12VA-2586	2.2000	8
FUEL PUMP EFF. WITH 12VA-2587	2.2000	51
FUEL FILTER (12VA-1208) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	171
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (1/4" FUEL INLET) (12VA-1208) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	431
FUEL LINES (1/2" FUEL INLET)	2.5000A	720
GOVERNOR - MECHANICAL (VARIABLE SPEED)	2.7000A	749
INJECTOR CONTROLS (12VA-1208)	2.9000	97
THROTTLE CONTROLS (VARIABLE SPEED GOVERNOR, WITH BOOSTER SPRING)	2.9000A	468
AIR SILENCER	3.2000A	26
AIR INLET HOUSING (WITH AIR SILENCER)	3.3000A	314
BLOWER	3.4000	67
BLOWER DRIVE SHAFT (12VA-1208) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000A	20
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM (DEEP OIL PAN)	4.1000B	206
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER (12VA-1208) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	122
OIL COOLER (INCLUDES MARINE GEAR LINES)	4.4000A	479
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK (DEEP OIL PAN)	4.6000A	332
OIL PAN (DEEP)	4.7000A	175
VENTILATING SYSTEM (WITH AIR SILENCER)	4.8000A	225
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT (HEAT EXCHANGE COOLING)	5.2000B	76
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS	5.3000B	125
HEAT EXCHANGE COOLING	5.5000A	354
RAW WATER PUMP	5.6000A	37
WATER FILTER (30 GAL. CAPACITY, HEAT EXCHANGER COOLING)	5.7000A	15
EXHAUST MANIFOLD	6.1000A	128
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	636
STARTING MOTOR (24V.)	7.3000A	189
INSTRUMENT PANEL (15' CAPILLARY)	7.4000A	220
TACHOMETER DRIVE CABLE (5')	7.4000B	11
TACHOMETER DRIVE (SINGLE OUTLET ADAPTOR)	7.4000B	191
HYDRAULIC MARINE GEAR (2:1 RATIO, TWIN DISC)	9.1000A	348
ENGINE MOUNTING	11.1000A	338

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
AIR BOX DRAINS	1.1000A	38
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	25
VIBRATION DAMPER	1.3000B	65
FLYWHEEL	1.4000A	83
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	44
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	45
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP THRU 12VA-2586	2.2000	8
FUEL PUMP (HI-CAPACITY) EFF. WITH 12VA-2587 AND THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071	2.2000	146
FUEL FILTER STD. EQUIP. PRIOR TO 12VA-1208	2.3000A	171
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" INLET) STD. EQUIP. PRIOR TO 12VA-1208	2.5000A	431
FUEL LINES (1/2" INLET)	2.5000A	632
GOVERNOR - MECHANICAL	2.7000A	749
INJECTOR CONTROLS	2.9000	97
THROTTLE CONTROLS	2.9000A	468
AIR SILENCER	3.2000A	26
AIR INLET HOUSING	3.3000A	314
BLOWER	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	393
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	122
OIL COOLER (ENGINE AND MARINE GEAR OIL)	4.4000A	479
OIL COOLER (MARINE GEAR LINES ONLY)	4.4000A	517
OIL FILLER CAP	4.5000A	46
DIPSTICK THRU 12VA-19615	4.6000A	332
DIPSTICK EFF. WITH 12VA-19616	4.6000A	393
OIL PAN	4.7000A	541
VENTILATING SYSTEM	4.8000A	225
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	76
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS	5.3000B	125
HEAT EXCHANGER COOLING	5.5000A	354
RAW WATER PUMP	5.6000A	63
WATER FILTER (30 GAL. CAPACITY)	5.7000A	15
EXHAUST MANIFOLD	6.1000A	128
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR 24V., 20 AMP	7.1000A	636
STARTING MOTOR 24V.	7.3000A	189
INSTRUMENT PANEL (15' CAPILLARY)	7.4000A	220
TACHOMETER DRIVE CABLE (5')	7.4000B	11
TACHOMETER DRIVE	7.4000B	191
POWER TAKE-OFF	8.1000A	324
HYDRAULIC MARINE GEAR	9.1000A	744
ENGINE MOUNTING	11.1000A	361

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	92
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 12VA-62202	1.1000A	103
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 12VA-62203	1.1000A	134
AIR BOX DRAINS	1.1000A	38
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	65
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 12VA-22299	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 12VA-22300 AND THRU 12VA-23677	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 12VA-23678; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	138
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	44
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	153
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	378
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (FLEXIBLE)	2.5000A	•
GOVERNOR - MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	459
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	•
TURBOCHARGER	3.5000A	649
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE AND MARINE GEAR)	4.4000A	•
OIL FILLER CAP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER CAP	4.5000A	•
DIPSTICK THRU 12VA-19615	4.6000A	332
DIPSTICK EFF. WITH 12VA-19616; STD. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	393
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM (ON ROCKER COVER) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	727
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON FLYWHEEL HOUSING)	4.8000A	•
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	140
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 12VA-76320	5.3000B	125
WATER CONNECTIONS EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	369
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER COOLING	5.5000A	•
RAW WATER PUMP	5.6000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
WATER FILTER	5.7000A	●
EXHAUST MANIFOLD THRU 12VA-76320	6.1000A	128
EXHAUST MANIFOLD EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	534
EXHAUST MANIFOLD	6.1000A	●
BATTERY CHARGING GENERATOR	7.1000A	●
STARTING MOTOR	7.3000A	●
INSTRUMENT PANEL	7.4000A	●
TACHOMETER DRIVE CABLE	7.4000B	●
TACHOMETER DRIVE	7.4000B	●
TRANSMISSION LINES	8.3000B	●
HYDRAULIC MARINE GEAR	9.1000A	●
ENGINE MOUNTING	11.1000A	●

● STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS THRU 12VA-62202	1.1000A	103
AIR BOX DRAINS EFF. WITH 12VA-62203	1.1000A	134
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	65
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	211
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	44
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	153
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	378
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA53463	3.4000	174
BLOWER EFF. WITH 12VA53464, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	444
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	650
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE & MARINE GEAR)	4.4000A	•
OIL FILLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	727
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	181
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	157
THERMOSTAT	5.2000B	242
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	140
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 12VA-76320	5.3000B	335
WATER CONNECTIONS EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	381
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	468
RAW WATER PUMP	5.6000A	63
WATER FILTER	5.7000A	15
EXHAUST MANIFOLD THRU 12VA-76320	6.1000A	128
EXHAUST MANIFOLD EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	534
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	1810
STARTING MOTOR	7.3000A	189
INSTRUMENTS	7.4000A	842
TACHOMETER DRIVE	7.4000B	544

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
TACHOMETER DRIVE CABLE	7.4000B	538
TRANSMISSION LINES	7.3000B	206
HYDRAULIC MARINE GEAR	9.1000A	1033
ENGINE MOUNTS	11.1000A	624

• *STANDARD OPTION REFER TO OPTION PLATE*

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	92
AIR BOX DRAINS	1.1000A	103
AIR BOX DRAINS	1.1000A	38
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	51
VIBRATION DAMPER	1.3000B	65
CRANKSHAFT PULLEY	1.3000C	46
FLYWHEEL	1.4000A	792
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	38
CAMSHAFT AND GEAR TRAIN	1.7000	44
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	153
ROCKER COVER	1.8000A	45
FUEL INJECTOR S80	2.1000A	50
FUEL PUMP THRU 12VA-2586	2.2000	8
FUEL PUMP EFF. WITH 12VA-2587 AND THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071	2.2000	146
FUEL FILTER	2.3000A	505
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	632
GOVERNOR, MECHANICAL	2.7000A	1192
INJECTOR CONTROLS THRU 12VA-21898	2.9000	97
INJECTOR CONTROLS EFF. WITH 12VA-21899 AND THRU 12VA-28069	2.9000	178
INJECTOR CONTROLS EFF. WITH 12VA-28070	2.9000	203
THROTTLE CONTROLS	2.9000A	892
AIR SILENCER	3.2000A	31
AIR INLET HOUSING	3.3000A	474
BLOWER	3.4000	105
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	145
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM THRU 12VA-19615	4.1000B	206
OIL DISTRIBUTION SYSTEM EFF. WITH 12VA-19616	4.1000B	393
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	192
OIL COOLER (ENGINE AND MARINE GEAR OIL)	4.4000A	595
OIL COOLER (MARINE GEAR LINES)	4.4000A	517
OIL FILLER	4.5000A	46
DIPSTICK THRU 12VA-19615	4.6000A	380
DIPSTICK EFF. WITH 12VA-19616	4.6000A	393
OIL PAN	4.7000A	538
VENTILATING SYSTEM	4.8000A	231
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	76
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS	5.3000B	283
HEAT EXCHANGER	5.5000A	428
RAW WATER PUMP	5.6000A	63
WATER FILTER	5.7000A	15
EXHAUST MANIFOLD	6.1000A	348
BATTERY CHARGING GENERATOR 24V., 60 AMP.	7.1000A	798
STARTING MOTOR 24V.	7.3000A	196
INSTRUMENTS	7.4000A	226
TACHOMETER DRIVE	7.4000B	198
TACHOMETER DRIVE CABLE	7.4000B	98
ALARM SYSTEM	7.4000C	480
ENGINE MOUNTS	11.1000A	361

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 12VA-62202	1.1000A	103
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 12VA-62203	1.1000A	134
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER THRU 12VA-3222	1.3000B	30
VIBRATION DAMPER EFF. WITH 12VA-3223; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	65
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON (WITH N65 OR LARGER INJECTORS)	1.6000	86
CONNECTING ROD AND PISTON THRU 12VA-44518	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 12VA-44519; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	41
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	26
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	374
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 12VA-2586	2.2000	8
FUEL PUMP (HI-CAPACITY) EFF. WITH 12VA-2587 AND THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR - MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53308	3.4000	96
BLOWER EFF. WITH 12VA-53309; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	251
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	•
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE AND MARINE GEAR OIL)	4.4000A	•
OIL COOLER (MARINE GEAR LINES ONLY)	4.4000A	•
OIL FILLER CAP, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	126
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	140
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 12VA-76320	5.2000C	125
WATER CONNECTIONS EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN	5.3000B	369
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER COOLING	5.5000A	•
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
EXHAUST MANIFOLD THRU 12VA-76320	6.1000A	128
EXHAUST MANIFOLD EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	534
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENT PANEL	7.4000A	•
TACHOMETER DRIVE CABLE	7.4000B	•
TACHOMETER DRIVE	7.4000B	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTING	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 12VA-62202	1.1000A	103
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 12VA-62203	1.1000A	134
CYLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	29
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	65
VIBRATION DAMPER	1.3000B	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 12VA-44517	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 12VA-44518; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER THRU 12VA-22386	1.7000A	19
BALANCE WEIGHT COVER EFF. WITH 12VA-22387	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER (STAMPED)	1.8000A	45
ROCKER COVER (CAST) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	374
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 12VA-2586	2.2000	8
FUEL PUMP EFF. WITH 12VA-2587 AND THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER THRU 12VA-1208; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	171
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES THRU 12VA-1208; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	431
FUEL LINES	2.5000A	•
GOVERNOR - MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53308	3.4000	567
BLOWER EFF. WITH 12VA-53309 AND THRU 12VA-77323	3.4000	569
BLOWER EFF. WITH 12VA-77324; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	442
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	•
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE AND MARINE GEAR OIL)	4.4000A	•
OIL COOLER LINES (MARINE GEAR)	4.4000A	856
OIL FILLER CAP (ON ROCKER COVER) (STAMPED)	4.5000A	46
OIL FILLER CAP (ON ROCKER COVER) (CAST) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	126
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	332
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	140
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 12VA-76320	5.3000B	125
WATER CONNECTIONS EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	369
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
WATER FILTER	5.7000A	•
EXHAUST MANIFOLD THRU 12VA-76320	6.1000A	128
EXHAUST MANIFOLD EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	534
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENT PANEL	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
TACHOMETER DRIVE SHAFT	7.4000B	•
POWER TAKE-OFF	8.1000A	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS THRU 12VA-62202	1.1000A	103
AIR BOX DRAINS EFF. WITH 12VA-62203	1.1000A	134
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	97
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	65
CRANKSHAFT PULLEY	1.3000C	262
FLYWHEEL (PART OF HYDRAULIC MARINE GEAR SECTION 9.1000A)	1.4000A	
FLYWHEEL HOUSING (SAE #1)	1.5000A	513
FLYWHEEL HOUSING ADAPTOR	1.5000B	23
CONNECTING ROD AND PISTON THRU 12VA-44518	1.6000	117
CONNECTING ROD AND PISTON EFF. WITH 12VA-44519	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	45
FUEL INJECTOR N70	2.1000A	80
FUEL PUMP THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	545
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1225
GOVERNOR, MECHANICAL	2.7000A	1054
INJECTOR CONTROLS	2.9000	242
AIR SILENCER	3.2000A	50
AIR INLET HOUSING	3.3000A	473
BLOWER THRU 12VA-53308	3.4000	167
BLOWER EFF. WITH 12VA-53309	3.4000	252
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	393
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	377
OIL COOLER (ENGINE)	4.4000A	479
OIL COOLER (MARINE GEAR)	4.4000A	673
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	332
OIL PAN	4.7000A	284
VENTILATING SYSTEM	4.8000A	689
FRESH WATER PUMP	5.1000	181
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT	5.2000B	242
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS THRU 12VA-76320	5.3000B	335
WATER CONNECTIONS EFF. WITH 12VA-76321	5.3000B	381
HEAT EXCHANGER	5.5000A	467
RAW WATER PUMP	5.6000A	63
WATER FILTER	5.7000A	15
EXHAUST MANIFOLD THRU 12VA-76320	6.1000A	128
EXHAUST MANIFOLD EFF. WITH 12VA-76321	6.1000A	534
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR 24 VOLT, 20 AMP.	7.1000A	1810
STARTING MOTOR 24 VOLT	7.3000A	189
INSTRUMENTS	7.4000A	842
TACHOMETER DRIVE	7.4000B	544
TACHOMETER DRIVE CABLE	7.4000B	538
HYDRAULIC MARINE GEAR	9.1000A	883
HYDRAULIC MARINE GEAR PUMP	9.1000A	797
ENGINE MOUNTS	11.1000A	627

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 12VA-62202	1.1000A	103
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 12VA-62203	1.1000A	134
CYLINDER HEAD	1.2000	44
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
VIBRATION DAMPER	1.3000B	65
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 12VA-44517	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 12VA-44518; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER THRU 12VA-22386	1.7000A	19
BALANCE WEIGHT COVER EFF. WITH 12VA-22387	1.7000A	44
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	26
VALVE OPERATING MECHANISM	1.8000	40
ROCKER COVER (STAMPED)	1.8000A	45
ROCKER COVER (CAST)	1.8000A	374
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 12VA-2586	2.2000	8
FUEL PUMP EFF. WITH 12VA-2587 AND THRU 12VA-26070	2.2000	51
FUEL PUMP WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP WITH 12VA-65824	2.2000	177
FUEL FILTER THRU 12VA-1208; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	171
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES THRU 12VA-1208; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	431
FUEL LINES	2.5000A	•
GOVERNOR - MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53308	3.4000	67
BLOWER EFF. WITH 12VA-53309 THRU 12VA-77323	3.4000	249
BLOWER EFF. WITH 12VA-77324	3.4000	442
BLOWER DRIVE SHAFT	3.4000A	•
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE AND MARINE GEAR OIL)	4.4000A	•
OIL COOLER LINES (MARINE GEAR)	4.4000A	•
OIL FILLER CAP (ON ROCKER COVER) (STAMPED)	4.5000A	46
OIL FILLER CAP (ON ROCKER COVER) (CAST)	4.5000A	126
DIPSTICK	4.6000A	332
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT	5.2000B	305
WATER BYPASS TUBE	5.2000C	140
WATER CONNECTIONS THRU 12VA-76320	5.3000B	125
WATER CONNECTIONS EFF. WITH 12VA-76321	5.3000B	369
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	•
EXHAUST MANIFOLD THRU 12VA-76320	6.1000A	128
EXHAUST MANIFOLD EFF. WITH 12VA-76321	6.1000A	534
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
INSTRUMENT PANEL	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
TACHOMETER DRIVE SHAFT	7.4000B	•
POWER TAKE-OFF	8.1000A	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
AIR BOX DRAINS	1.1000A	38
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET (WITH AIR CLEANER)	1.2000A	37
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER (12VA-120) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	51
VIBRATION DAMPER THRU 12VA-3222	1.3000B	30
VIBRATION DAMPER EFF. WITH 12VA-3223	1.3000B	65
CRANKSHAFT PULLEY (NO POWER TAKE-OFF)	1.3000C	262
FLYWHEEL (SAE #1, WITH TWIN DISC MARINE GEAR)	1.4000A	83
FLYWHEEL HOUSING (SAE #1, WITH TWIN DISC MARINE GEAR)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	45
FUEL INJECTOR (S60)	2.1000A	45
FUEL PUMP THRU 12VA-2586	2.2000	8
FUEL PUMP EFF. WITH 12VA-2587	2.2000	51
FUEL FILTER (12VA-1208) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	171
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" INLET TUBE) (12VA-1208) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	2.5000A	431
FUEL LINES (1/4" INLET TUBE)	2.5000A	720
GOVERNOR - MECHANICAL (VARIABLE SPEED)	2.7000A	749
INJECTOR CONTROLS (12VA-1208) (STANDARDEQUIPTMENT NOT ON OPTION PLATE PRIOR TOSERIAL NUMBER SHOWN.)	2.9000	97
THROTTLE CONTROLS (VARIABLE SPEED GOVERNOR, WITH BOOSTER SPRING)	2.9000A	468
AIR SILENCER	3.2000A	26
AIR INLET HOUSING (WITH AIR SILENCER)	3.3000A	314
BLOWER	3.4000	67
BLOWER DRIVE SHAFT (12VA-1208) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIORTO SERIAL NUMBER SHOWN.)	3.400 0A	20
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	206
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER (12VA-1208) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	4.2000A	122
OIL COOLER	4.4000A	479
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	332
OIL PAN	4.7000A	175
VENTILATING SYSTEM (WITH AIR SILENCER)	4.8000A	225
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT (HEAT EXCHANGER COOLING)	5.2000B	76
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS	5.3000B	125
HEAT EXCHANGER	5.5000A	354
RAW WATER PUMP	5.6000A	37
WATER FILTER (30 GAL. CAPACITY, HEAT EXCHANGER COOLING	5.7000A	15
EXHAUST MANIFOLD	6.1000A	128
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	636
STARTING MOTOR (24V.)	7.3000A	186
INSTRUMENT PANEL (15' CAPILLARY)	7.4000A	220
TACHOMETER DRIVE CABLE (5')	7.4000B	11
TACHOMETER DRIVE (DOUBLE OUTLET ADAPTOR)	7.4000B	191
HYDRAULIC MARINE GEAR (2:1 RATIO, TWIN DISC)	9.1000A	347
ENGINE MOUNTING	11.1000A	338

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	38
AIR BOX, DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	25
VIBRATION DAMPER	1.3000B	65
FLYWHEEL	1.4000A	83
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	45
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP THRU 12VA-2586	2.2000	8
FUEL PUMP EFF. WITH 12VA-2587 AND THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP WITH 12VA-65824	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO 12VA-1208	2.3000A	171
FUEL FILTER	2.3000A	545
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" INLET) STD. EQUIP. PRIOR TO 1IVA-1208	2.5000A	431
FUEL LINES	2.5000A	1156
GOVERNOR, MECHANICAL	2.7000A	1054
INJECTOR CONTROLS	2.9000	97
THROTTLE CONTROLS	2.9000A	468
AIR SILENCER	3.2000A	26
AIR INLET HOUSING	3.3000A	314
BLOWER	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	393
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	122
OIL COOLER (ENGINE AND MARINE GEAR OIL)	4.4000A	479
OIL COOLER (MARINE GEAR LINES)	4.4000A	517
OIL FILLER CAP	4.5000A	46
DIPSTICK THRU 12VA-19615	4.6000A	332
DIPSTICK EFF. WITH 12VA-19616	4.6000A	393
OIL PAN	4.7000A	541
VENTILATING SYSTEM	4.8000A	225
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	76
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS	5.3000B	125
HEAT EXCHANGER	5.5000A	354
RAW WATER PUMP	5.6000A	63
WATER FILTER	5.7000A	15
EXHAUST MANIFOLD	6.1000A	128
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	636
STARTING MOTOR 24V.	7.3000A	186
INSTRUMENTS	7.4000A	220
TACHOMETER DRIVE	7.4000B	191
TACHOMETER DRIVE CABLE	7.4000B	11
POWER TAKE-OFF	8.1000A	324
HYDRAULIC MARINE GEAR	9.1000A	750
ENGINE MOUNTS	11.1000A	361

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	92
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 12VA-62202	1.1000A	103
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 12VA-62203	1.1000A	134
AIR BOX DRAINS	1.1000A	38
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	51
VIBRATION DAMPER; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	65
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	217
FLYWHEEL	1.4000A	83
FLYWHEEL HOUSING (SAE # 1)	1.5000A	188
CONNECTING ROD AND PISTON THRU 12VA-22299	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 12VA-22300 AND THRU 12VA-23677	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 12VA-23678; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	138
CONNECTING ROD AND PISTON	1.6000	211
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	41
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	153
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	378
ROCKER COVER	1.8000A	•
FUEL INJECTOR N80	2.1000A	82
FUEL PUMP THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65311	2.2000	146
FUEL PUMP EFF. WITH 12VA-65312	2.2000	177
FUEL FILTER	2.3000A	592
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (FLEXIBLE)	2.5000A	1619
GOVERNOR - MECHANICAL	2.7000A	•
INJECTOR CONTROLS THRU 12VA-21898	2.9000	97
INJECTOR CONTROLS EFF. WITH 12VA-21899; STD. EQUIP. PRIOR TO 12VA-30393	2.9000	240
THROTTLE CONTROLS	2.9000A	468
AIR SILENCER	3.2000A	43
AIR INLET HOUSING	3.3000A	474
BLOWER THRU 12VA23990	3.4000	105
BLOWER EFF. WITH 12VA23991 AND THRU 12VA53463	3.4000	175
BLOWER EFF. WITH 12VA53464, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	452
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	649
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	483
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	387
OIL COOLER (ENGINE AND MARINE GEAR)	4.4000A	882
OIL FILLER CAP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER CAP	4.5000A	•
DIPSTICK THRU 12VA-19615	4.6000A	332
DIPSTICK EFF. WITH 12VA-19616	4.6000A	393
OIL PAN	4.7000A	541
VENTILATING SYSTEM (ON ROCKER COVER) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	727
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON FLYWHEEL HOUSING)	4.8000A	621
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT	5.2000B	76
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	140
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 12VA-76320	5.3000B	125
WATER CONNECTIONS EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	369
WATER CONNECTIONS	5.3000B	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
HEAT EXCHANGER COOLING	5.5000A	428
RAW WATER PUMP	5.6000A	63
WATER FILTER (30 GAL. CAPACITY)	5.7000A	15
EXHAUST MANIFOLD THRU 12VA-76320	6.1000A	128
EXHAUST MANIFOLD EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	534
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	1810
STARTING MOTOR 24V.	7.3000A	186
INSTRUMENT PANEL	7.4000A	842
TACHOMETER DRIVE CABLE	7.4000B	11
TACHOMETER DRIVE	7.4000B	191
TRANSMISSION LINES	8.3000B	206
HYDRAULIC MARINE GEAR	9.1000A	1032
ENGINE MOUNTING	11.1000A	338

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS THRU 12VA-62202	1.1000A	103
AIR BOX DRAINS EFF. WITH 12VA-62203	1.1000A	134
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	34
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	65
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	217
FLYWHEEL	1.4000A	83
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	138
CONNECTING ROD AND PISTON	1.6000	211
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	153
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	378
ROCKER COVER	1.8000A	•
FUEL INJECTOR N90	2.1000A	100
FUEL PUMP THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	592
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1609
GOVERNOR, MECHANICAL	2.7000A	1062
INJECTOR CONTROLS	2.9000	240
THROTTLE CONTROLS	2.9000A	468
AIR SILENCER	3.2000A	51
AIR INLET HOUSING	3.3000A	473
BLOWER THRU 12VA53463	3.4000	174
BLOWER EFF. WITH 12VA53464 AND THRU 12VA-77323	3.4000	262
BLOWER EFF. WITH 12VA-77324 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	444
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	650
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	483
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	387
OIL COOLER (ENGINE AND MARINE GEAR)	4.4000A	882
OIL FILLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	332
OIL PAN	4.7000A	541
VENTILATING SYSTEM (ON ROCKER COVER) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	727
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	181
WATER OUTLET MANIFOLD THRU 12VA-044518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-044519	5.2000A	165
THERMOSTAT	5.2000B	242
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	140
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 12VA-76320	5.3000B	335
WATER CONNECTIONS EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	381
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	468
RAW WATER PUMP	5.6000A	63
WATER FILTER	5.7000A	15
EXHAUST MANIFOLD THRU 12VA-76320	6.1000A	128
EXHAUST MANIFOLD EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	534
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR 24 VOLT, 20 AMP.	7.1000A	1810
STARTING MOTOR 24 VOLT	7.3000A	186
INSTRUMENTS	7.4000A	842
TACHOMETER DRIVE	7.4000B	544

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
TACHOMETER DRIVE CABLE	7.4000B	538
TRANSMISSION LINES	8.3000B	206
HYDRAULIC MARINE GEAR	9.1000A	1032
ENGINE MOUNTS	11.1000A	624

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	211
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTIONPLATE	1.1000A	134
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	65
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	41
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	240
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	444
BLOWER DRIVE SHAFT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000A	20
BLOWER DRIVE SHAFT	3.4000A	•
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	181
WATER OUTLET MANIFOLD	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	381
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
TACHOMETER DRIVE SHAFT	7.4000B	•
MARINE GEAR	9.1000A	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	211
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	240
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	444
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	181
WATER OUTLET MANIFOLD	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
TACHOMETER DRIVE SHAFT	7.4000B	•
MARINE GEAR	9.1000A	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	92
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
AIR BOX DRAINS	1.1000A	42
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	19
VIBRATION DAMPER	1.3000B	65
CRANKSHAFT PULLEY	1.3000C	46
CRANKSHAFT PULLEY BELT	1.3000D	184
FLYWHEEL	1.4000A	83
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	38
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	153
ROCKER COVER	1.8000A	45
FUEL INJECTOR S80	2.1000A	50
FUEL PUMP THRU 12VA-2586	2.2000	8
FUEL PUMP EFF. WITH 12VA-2587 AND THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	505
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	632
GOVERNOR, MECHANICAL	2.7000A	1180
INJECTOR CONTROLS THRU 12VA-21898	2.9000	97
INJECTOR CONTROLS EFF. WITH 12VA-21899 AND THRU 12VA-28069	2.9000	178
INJECTOR CONTROLS EFF. WITH 12VA-28070	2.9000	203
THROTTLE CONTROLS	2.9000A	892
AIR SILENCER	3.2000A	31
AIR INLET HOUSING	3.3000A	168
BLOWER	3.4000	105
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	136
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM THRU 12VA-19615	4.1000B	206
OIL DISTRIBUTION SYSTEM EFF. WITH 12VA-19616	4.1000B	393
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	192
OIL COOLER (ENGINE AND MARINGE GEAR OIL)	4.4000A	595
OIL COOLER (MARINE GEAR LINES)	4.4000A	517
OIL FILLER	4.5000A	46
DIPSTICK THRU 12VA-19615	4.6000A	380
DIPSTICK EFF. WITH 12VA-19616	4.6000A	393
OIL PAN	4.7000A	538
VENTILATING SYSTEM	4.8000A	231
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	76
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS	5.3000B	283
HEAT EXCHANGER	5.5000A	428
RAW WATER PUMP	5.6000A	63
WATER FILTER	5.7000A	15
EXHAUST MANIFOLD	6.1000A	348
BATTERY CHARGING GENERATOR 24V., 60 AMP.	7.1000A	798
STARTING MOTOR 24V.	7.3000A	197
INSTRUMENTS	7.4000A	226
TACHOMETER DRIVE	7.4000B	198
TACHOMETER DRIVE CABLE (20')	7.4000B	98
ALARM SYSTEM	7.4000C	480
ENGINE MOUNTS	11.1000A	361

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	103
CYLINDER HEAD	1.2000	117
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	51
VIBRATION DAMPER	1.3000B	65
FLYWHEEL	1.4000A	83
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	188
CONNECTING ROD AND PISTON	1.6000	117
CAMSHAFT AND GEAR TRAIN	1.7000	44
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVERS (WITH OIL FILLER CAP)	1.8000A	45
FUEL INJECTOR (N-60)	2.1000A	78
FUEL PUMP THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	545
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1156
GOVERNOR - MECHANICAL (VARIABLE SPEED)	2.7000A	1054
INJECTOR CONTROLS	2.9000	97
AIR SILENCER	3.2000A	26
AIR INLET HOUSING	3.3000A	299
BLOWER (12VA-1447) (STANDARD EQUIPTMENTNOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	3.4000	96
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	393
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	122
OIL COOLER	4.4000A	479
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	332
OIL PAN	4.7000A	541
VENTILATING SYSTEM	4.8000A	225
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	92
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS	5.3000B	125
EXHAUST MANIFOLD	6.1000A	128
STARTING MOTOR (24V.)	7.3000A	189

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	60
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	36
CRANKSHAFT PULLEY	1.3000C	114
CRANKSHAFT PULLEY BELT	1.3000D	209
FLYWHEEL (SAE #1/2)	1.4000A	367
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	44
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVERS (WITH OIL FILLER CAP)	1.8000A	45
FUEL INJECTOR (S60)	2.1000A	42
FUEL PUMP THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	171
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	720
GOVERNOR - MECHANICAL (LIMITING SPEED)	2.7000A	753
INJECTOR CONTROLS	2.9000	112
AIR INLET HOUSING	3.3000A	152
BLOWER (12VA-1447) (STANDARD EQUIPTMENTNOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM	4.1000B	205
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	119
OIL COOLER	4.4000A	246
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	365
OIL PAN	4.7000A	540
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	79
WATER BY-PASS TUBE	5.2000C	141
FAN (RH BLOWER - LH SUCTION; 36" 8 BLADE)	5.4000A	295
EXHAUST MANIFOLD	6.1000A	204
EXHAUST MUFFLER FLANGE	6.2000A	233
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	1230
STARTING MOTOR (24V.)	7.3000A	189
INSTRUMENT PANEL (2' CAPILLARY)	7.4000A	21

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	1004
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	•
CONNECTING ROD AND PISTON THRU 12VA-22299	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 12VA-22300 AND THRU 12VA-23677	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 12VA-23678 AND THRU 12VA-48823	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 12VA-48224 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CAMSHAFT AND GEAR TRAIN	1.7000	409
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	41
ROCKER COVERS	1.8000A	•
FUEL INJECTOR N65	2.1000A	•
FUEL PUMP THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR - MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN THRU 12VA-16949	4.7000A	517
OIL PAN EFF. WITH 12VA-16950	4.7000A	540
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP THRU 12VA-30283	5.1000	43
FRESH WATER PUMP EFF. WITH 12VA-30284	5.1000	165
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR 24V	7.3000A	189
INSTRUMENT PANEL	7.4000A	•
TACHOMETER DRIVE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.4000B	472
TACHOMETER DRIVE	7.4000B	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	92
AIR BOX DRAINS	1.1000A	103
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	138
CONNECTING ROD AND PISTON	1.6000	211
CAMSHAFT AND GEAR TRAIN	1.7000	461
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS THRU 12VA-43340	2.9000	203
INJECTOR CONTROLS EFF. WITH 12VA-43341 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	240
INJECTOR CONTROLS	2.9000	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING STD. EQUIP. PRIOR TO 12VA-43672	3.3000A	474
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	444
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	•
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	60
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER THRU 12VA-70448	4.2000A	121
OIL FILTER EFF. WITH 12VA-70449; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	387
OIL FILTER	4.2000A	•
OIL COOLER THRU 12VA-70448	4.4000A	531
OIL COOLER EFF. WITH 12VA-70449; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	882
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	332
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP THRU 12VA-30283	5.1000	43
FRESH WATER PUMP EFF. WITH 12VA-30284	5.1000	165
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 12VA-044518	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 12VA-044519; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	146
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53308	3.4000	96
BLOWER EFF. WITH 12VA-53309; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	251
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000C	24
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.1000	84
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000A	165
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER FLANGE	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	34
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	158
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET THRU 12VA-1171	1.2000A	32
ENGINE LIFTER BRACKET EFF. WITH 12VA-1172	1.2000A	60
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	36
CRANKSHAFT PULLEY	1.3000C	114
CRANKSHAFT PULLEY BELT	1.3000D	207
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON THRU 12VA-044518	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 12VA-044519; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	41
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	374
FUEL INJECTOR N-60	2.1000A	78
FUEL PUMP (WITH 3/8" FUEL LINES) THRU 12VA-5390	2.2000	8
FUEL PUMP (WITH 1/2" FUEL LINES) EFF. WITH 12VA-5391 AND THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	242
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53308	3.4000	96
BLOWER EFF. WITH 12VA-53309; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	251
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM	4.1000B	205
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	291
OIL FILLER CAP	4.5000A	125
DIPSTICK	4.6000A	365
OIL PAN	4.7000A	540
VENTILATING SYSTEM	4.8000A	604
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT	5.2000B	79
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	141
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	1230
EXHAUST MANIFOLD	6.1000A	204
EXHAUST MUFFLER FLANGE	6.2000A	233
BATTERY CHARGING GENERATOR	7.1000A	1945
STARTING MOTOR	7.3000A	186
INSTRUMENTS (ENGINE)	7.4000A	102
INSTRUMENTS (TORQUE CONVERTER)	7.4000A	124
TORQUE CONVERTER	8.3000A	275
TORQUE CONVERTER LINES	8.3000B	197

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	60
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER STD EQUIP PRIOR TO 12VA-51707	1.3000A	50
VIBRATION DAMPER	*1.3000B*	*36*
CRANKSHAFT PULLEY	1.3000C	134
CRANKSHAFT PULLEY BELT (62")	1.3000D	207
FLYWHEEL (SAE # 1/2)	1.4000A	371
FLYWHEEL HOUSING (SAE # 1/2)	1.5000A	197
CONNECTING ROD AND PISTON THRU 12VA-44518	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 12VA-44519; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER THRU 12VA-55800	1.8000A	45
ROCKER COVER EFF. WITH 12VA-55801 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	374
ROCKER COVER	*1.8000A*	•
FUEL INJECTOR (N60)	2.1000A	78
FUEL PUMP (HI-CAPACITY) THRU 12VA-26070	2.2000	51
FUEL PUMP WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, HYDRAULIC	2.8000A	542
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	118
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	152
BLOWER THRU 12VA-53308	3.4000	80
BLOWER EFF. WITH 12VA-53309 AND THRU 12VA-77323	*3.4000*	249
BLOWER EFF. WITH 12VA-77324; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	448
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	246
OIL COOLER	4.4000A	•
OIL FILLER (ON ROCKER COVER) THRU 12VA-55800	4.5000A	46
OIL FILLER (ON ROCKER COVER) EFF. WITH 12VA-55801 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	*4.5000A*	*126*
OIL FILLER (ON ROCKER COVER)	4.5000A	•
DIPSTICK	4.6000A	215
OIL PAN	4.7000A	218
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT	5.2000B	79
WATER BY-PASS TUBE	5.2000C	141
FAN (BLOWER, 40" - 8 BLADE)	5.4000A	1229
EXHAUST MANIFOLD (OFFSET END OUTLET)	6.1000A	204
EXHAUST MUFFLER FLANGE	6.2000A	233
STARTING MOTOR (24V.)	*7.3000A*	*186*
INSTRUMENT PANEL (2' CAPILLARY)	7.4000A	21

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	50
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	36
VIBRATION DAMPER	1.3000B	•
FLYWHEEL	1.4000A	367
FLYWHEEL HOUSING	1.5000A	197
CONNECTING ROD AND PISTON THRU 12VA-044518	1.6000	117
CONNECTING ROD AND PISTON EFF. WITH 12VA-044519; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER THRU 12VA-55800	1.8000A	45
ROCKER COVER EFF. WITH 12VA-55801 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	374
ROCKER COVER	1.8000A	•
FUEL INJECTOR (N60)	2.1000A	78
FUEL PUMP (HI-CAPACITY) THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR - MECHANICAL	2.7000A	1054
INJECTOR CONTROLS	2.9000	242
AIR INLET HOUSING STD. EQUIP. PRIOR TO 12VA-49195	3.3000A	182
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53308	3.4000	96
BLOWER EFF. WITH 12VA-53309; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	251
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM	4.1000B	228
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	372
OIL COOLER	4.4000A	246
OIL FILLER CAP (ON ROCKER COVER) THRU 12VA-55800	4.5000A	46
OIL FILLER CAP (ON ROCKER COVER) EFF. WITH 12VA-55801 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.50 00A	126
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	•
DIPSTICK	4.6000A	215
OIL PAN	4.7000A	218
VENTILATING SYSTEM	4.8000A	223
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	92
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	140
WATER BY-PASS TUBE	5.2000C	•
EXHAUST MANIFOLD	6.1000A	204
STARTING MOTOR (24V.)	7.3000A	186

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	103
CYLINDER HEAD	1.2000	117
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	51
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	65
VIBRATION DAMPER	1.3000B	•
FLYWHEEL STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	83
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	188
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 12VA-44518	1.6000	117
CONNECTING ROD AND PISTON EFF. WITH 12VA-44519; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	26
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER THRU 12VA-55800	1.8000A	45
ROCKER COVER EFF. WITH 12VA-55801 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	374
ROCKER COVER	1.8000A	•
FUEL INJECTOR (N60)	2.1000A	78
FUEL PUMP (HI-CAPACITY) THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	545
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1225
GOVERNOR - MECHANICAL (VARIABLE SPEED)	2.7000A	1054
INJECTOR CONTROLS THRU 12VA-28126	2.9000	97
INJECTOR CONTROLS EFF. WITH 12VA-28127 AND THRU 12VA-45173	2.9000	112
INJECTOR CONTROLS EFF. WITH 12VA-45174, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	242
INJECTOR CONTROLS	2.9000	•
AIR SILENCER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.2000A	26
AIR SILENCER	3.2000A	•
AIR INLET HOUSING STD. EQUIP. PRIOR TO 12VA-49056	3.3000A	314
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53308	3.4000	96
BLOWER EFF. WITH 12VA-53309; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	251
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	393
OIL DISTRIBUTION	4.1000C	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER THRU 12VA-70448	4.2000A	122
OIL FILTER EFF. WITH 12VA-70449; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	377
OIL FILTER	4.2000A	•
OIL COOLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	479
OIL COOLER	4.4000A	•
OIL FILLER CAP (ON ROCKER COVER) THRU 12VA-55800	4.5000A	46
OIL FILLER CAP (ON ROCKER COVER) EFF. WITH 12VA-55801 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.50 00A	126
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	•
DIPSTICK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	332
DIPSTICK	4.6000A	•
OIL PAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	541
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	225
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	92
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	140
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 12VA-76320	5.3000B	125
WATER CONNECTIONS EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	369
WATER CONNECTIONS	5.3000B	•
EXHAUST MANIFOLD THRU 12VA-76320	6.1000A	128
EXHAUST MANIFOLD EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	534
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR (24V.)	7.3000A	186

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS WATER BELOW PORT BLOCK	1.1000A	104
AIR BOX DRAINS	1.1000A	42
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	60
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	52
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	30
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	119
CRANKSHAFT PULLEY BELT	1.3000D	249
FLYWHEEL	1.4000A	311
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 12VA-37393	1.5000A	210
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 12VA-44518	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 12VA-44519; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	99
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER THRU 12VA-6742	1.7000A	18
BALANCE WEIGHT COVER EFF. WITH 12VA-6743	1.7000A	44
ACCESSORY DRIVE	1.7000B	39
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	376
FUEL INJECTOR N65	2.1000A	97
FUEL PUMP THRU 12VA-26070	2.2000	56
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	153
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER WITH 3/8" INLET FUEL LINES THRU 12VA-6742	2.3000A	187
FUEL FILTER WITH 1/2" INLET FUEL LINES EFF. WITH 12VA-6743; STD. EQUIP. PRIOR TO 12VA-8450	2.3000A	173
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES WITH 3/8" INLET FUEL LINES THRU 12VA-6742	2.5000A	606
FUEL LINES WITH 1/2" INLET FUEL LINES EFF. WITH 12VA-6743; STD. EQUIP. PRIOR TO 12VA-8450	2.5000A	847
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS THRU 12VA-45173	2.9000	112
INJECTOR CONTROLS EFF. WITH 12VA-45174; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	242
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING STD. EQUIP. PRIOR TO 12VA-049150	3.3000A	157
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53308	3.4000	96
BLOWER EFF. WITH 12VA-53309; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	251
BLOWER	3.4000	•
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	205
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	732
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	185
OIL PAN	4.7000A	547
VENTILATING SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	291
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.1000	84
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	79
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 12VA-37393	5.2000C	141
WATER BY-PASS TUBE	5.2000C	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
FAN LESS BLADE	5.4000A	387
EXHAUST MANIFOLD	6.1000A	204
BATTERY CHARGING GENERATOR (ATTACHING PARTS ONLY) STD. EQUIP. PRIOR TO 12VA-5396	7.1000A	1813
BATTERY CHARGING GENERATOR	7.1000A	•
TACHOMETER DRIVE STD. EQUIP. PRIOR TO 12VA-17048	7.4000B	472
TACHOMETER DRIVE	7.4000B	•
AIR COMPRESSOR	12.4000A	959
HYDRAULIC PUMP DRIVE	12.5000A	26

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	60
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	52
VIBRATION DAMPER	1.3000B	30
FLYWHEEL	1.4000A	684
FLYWHEEL HOUSING	1.5000A	210
CONNECTING ROD AND PISTON THRU 12VA-26011	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 12VA-26012	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	99
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	133
FUEL INJECTOR	2.1000A	92
FUEL PUMP THRU 12VA-26070	2.2000	56
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1206
GOVERNOR, MECHANICAL	2.7000A	1054
INJECTOR CONTROLS	2.9000	112
THROTTLE CONTROLS	2.9000A	471
AIR INLET HOUSING THRU 12VA-26011	3.3000A	459
AIR INLET HOUSING EFF. WITH 12VA-26012	3.3000A	157
BLOWER	3.4000	96
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	77
OIL DISTRIBUTION SYSTEM	4.1000B	404
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	139
OIL COOLER	4.4000A	488
OIL FILLER CAP	4.5000A	87
DIPSTICK	4.6000A	706
OIL PAN	4.7000A	585
VENTILATING SYSTEM	4.8000A	572
FRESH WATER PUMP	5.1000	168
WATER OUTLET MANIFOLD	5.2000A	146
WATER CONNECTIONS	5.3000B	312
EXHAUST MANIFOLD	6.1000A	315
TACHOMETER DRIVE	7.4000B	472

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET THRU 12VA-53374	1.2000A	32
ENGINE LIFTER BRACKET EFF. WITH 12VA-53375	1.2000A	60
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	50
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	36
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000C	134
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000D	207
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	371
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	197
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 12VA-044518	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 12VA-044519; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER THRU 12VA-55800	1.8000A	45
ROCKER COVER EFF. WITH 12VA-55801 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	374
ROCKER COVER	1.8000A	•
FUEL INJECTOR N70	2.1000A	80
FUEL PUMP THRU 12VA-65901	2.2000	150
FUEL PUMP EFF. WITH 12VA-65902	2.2000	174
FUEL PUMP HIGH LIFT AUXILIARY	2.2000	123
FUEL MANIFOLD CONNECTIONS	2.4000	55
GOVERNOR, HYDRAULIC	2.8000A	895
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	118
INJECTOR CONTROLS	2.9000	•
ADAPTOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.1000A	354
ADAPTOR	3.1000A	•
AIR INLET HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.3000A	502
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53308	3.4000	80
BLOWER EFF. WITH 12VA-53309 AND THRU 12VA-77323	3.4000	249
BLOWER EFF. WITH 12VA-77324; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	448
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	426
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER THRU 12VA-70448	4.2000A	309
OIL FILTER EFF. WITH 12VA-70449; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	372
OIL FILTER	4.2000A	•
OIL COOLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	368
OIL COOLER	4.4000A	•
OIL FILLER (ON ROCKER COVER) THRU 12VA-55800	4.5000A	46
OIL FILLER (ON ROCKER COVER) EFF. WITH 12VA-55801 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	126
OIL FILLER (ON ROCKER COVER)	4.5000A	•
DIPSTICK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	382
DIPSTICK	4.6000A	•
OIL PAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	601
OIL PAN	4.7000A	•
VENTILATING SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	310
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	165
WATER OUTLET MANIFOLD THRU 12VA-46137	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-46138	5.2000A	165

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	79
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	140
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	384
FAN STD. EQUIP PRIOR TO 12VA-49995	5.4000A	1229
FAN	5.4000A	•
EXHAUST MANIFOLD THRU 12VA-76320	6.1000A	128
EXHAUST MANIFOLD EFF. WITH 12VA-76321, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	534
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.2000A	385
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
STARTING MOTOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.3000A	240
STARTING MOTOR	7.3000A	•
AUTOMATIC SHUTDOWN, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.4000C	913
AUTOMATIC SHUTDOWN	7.4000C	•
ENGINE MOUNTS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	11.1000A	438
ENGINE MOUNTS	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	52
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING (SAE #1)	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	99
BALANCE WEIGHT COVER	1.7000A	44
ACCESSORY DRIVE	1.7000B	•
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	242
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	251
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	185
OIL PAN	4.7000A	551
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOL	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	204
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
TACHOMETER DRIVE	7.4000B	•
AIR COMPRESSOR	12.4000A	•

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	44
ENGINE LIFTER BRACKET	1.2000A	60
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	58
CRANKSHAFT PULLEY (7.50" DIA., 5 GROOVES)	1.3000C	170
CRANKSHAFT PULLEY BELT (3 BELTS)	1.3000D	206
FLYWHEEL (SAE #1/2)	1.4000A	367
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON (THRU SERIAL NO. 12VA-5913)	1.6000	42
CONNECTING ROD AND PISTON (EFFECTIVE WITH 12VA-5914)	1.6000	78
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	40
ROCKER COVER (WITH OIL FILLER CAP)	1.8000A	45
FUEL INJECTOR (S50)	2.1000A	56
FUEL PUMP (EFFECTIVE WITH 12VA-5894, THRU 12VA-5913) (HI-CAPACITY)	2.2000	51
FUEL PUMP (WITH 1/2" FUEL INLET LINE)	2.2000	71
FUEL FILTER	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	735
GOVERNOR - MECHANICAL (LIMITING SPEED)	2.7000A	753
INJECTOR CONTROLS	2.9000	112
AIR INLET HOUSING (MANUAL SHUT-DOWN)	3.3000A	152
BLOWER	3.4000	82
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM	4.1000B	205
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	119
OIL COOLER	4.4000A	363
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	365
OIL PAN	4.7000A	540
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	74
WATER BY-PASS TUBE	5.2000C	136
FAN (SUCTION, 36" - 8 BLADE)	5.4000A	311
EXHAUST MANIFOLD (OFFSET END OUTLET)	6.1000A	204
EXHAUST MUFFLER FLANGE	6.2000A	233
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	1230
STARTING MOTOR (24V.)	7.3000A	186
INSTRUMENT PANEL (2' CAPILLARY)	7.4000A	21

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	44
ENGINE LIFTER BRACKET	1.2000A	60
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	58
CRANKSHAFT PULLEY	1.3000C	170
CRANKSHAFT PULLEY BELT	1.3000D	206
FLYWHEEL	1.4000A	367
FLYWHEEL HOUSING (SAE #1)	1.5000A	197
CONNECTING ROD AND PISTON THRU 12VA-044518	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 12VA-044519 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	40
ROCKER COVER	1.8000A	374
FUEL INJECTOR N50	2.1000A	92
FUEL PUMP THRU 12VA-26070	2.2000	71
FUEL PUMP WITH 12VA-26071 AND THRU 12VA-65901	2.2000	126
FUEL PUMP WITH 12VA-65902 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	174
FUEL FILTER	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	735
GOVERNOR, MECHANICAL	2.7000A	1659
INJECTOR CONTROLS	2.9000	242
AIR INLET HOUSING	3.3000A	152
BLOWER THRU 12VA-53308	3.4000	568
BLOWER EFF. WITH 12VA-53309 AND THRU 12VA-77323	3.4000	254
BLOWER EFF. WITH 12VA-77324; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	460
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM (20 DEG., REAR SUMP)	4.1000B	205
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	372
OIL COOLER (ENGINE)	4.4000A	363
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	365
OIL PAN	4.7000A	540
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	74
WATER BYPASS TUBE	5.2000C	136
FAN	5.4000A	1278
EXHAUST MANIFOLD	6.1000A	204
EXHAUST MUFFLER FLANGE	6.2000A	233
BATTERY CHARGING GENERATOR	7.1000A	1945
STARTING MOTOR	7.3000A	186
INSTRUMENTS	7.4000A	21

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
AIR BOX DRAINS	1.1000A	42
CYLINDER HEAD	1.2000	44
ENGINE LIFTER BRACKET	1.2000A	60
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	52
VIBRATION DAMPER	1.3000B	30
CRANKSHAFT PULLEY	1.3000C	139
CRANKSHAFT PULLEY BELT	1.3000D	212
FLYWHEEL	1.4000A	311
FLYWHEEL HOUSING	1.5000A	210
CONNECTING ROD AND PISTON THRU 12VA-5913	1.6000	42
CONNECTING ROD AND PISTON EFF. WITH 12VA-5914	1.6000	78
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	40
ROCKER COVER (WITH OIL FILLER CAP) (12VA-8144) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	79
FUEL INJECTOR (S50)	2.1000A	56
FUEL PUMP (WITH 3/8" INLET FUEL LINE, THRU 12VA-6440)	2.2000	44
FUEL PUMP (WITH 1/2" INLET FUEL LINE, EFF. WITH 12VA-6441)	2.2000	88
FUEL FILTER (3/8" FUEL INLET LINES) THRU 12VA-6440	2.3000A	169
FUEL FILTER (WITH 1/2" INLET FUEL LINES) EFF. WITH 12VA-6441	2.3000A	338
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" FUEL INLET LINES) THRU 12VA-6440	2.5000A	595
FUEL LINES (1/2" INLET FUEL LINES) EFF. WITH 12VA-6441	2.5000A	854
GOVERNOR - MECHANICAL (LIMITING SPEED)	2.7000A	753
INJECTOR CONTROLS	2.9000	112
AIR INLET HOUSING	3.3000A	157
BLOWER	3.4000	82
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM	4.1000B	205
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	139
OIL COOLER	4.4000A	480
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	185
OIL PAN	4.7000A	238
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	42
THERMOSTAT	5.2000B	74
WATER BY-PASS TUBE	5.2000C	189
FAN	5.4000A	387
EXHAUST MANIFOLD	6.1000A	204
BATTERY CHARGING GENERATOR (ATTACHING PARTS ONLY) (12VA-5396) (STD. EQUIP. NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN	7.1000A	1170
TACHOMETER DRIVE	7.4000B	212
AIR COMPRESSOR (MOUNTING AND DRIVE PARTS ONLY) (12VA-8144) STD. EQUIP. NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN	12.4000A	299

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	60
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER (12VA-259) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TOSERIAL NUMBER SHOWN.)	1.3000B	30
VIBRATION DAMPER	1.3000B	36
CRANKSHAFT PULLEY (6.84" DIA., 3 GROOVES)	1.3000C	114
CRANKSHAFT PULLEY BELT	1.3000D	209
FLYWHEEL (SAE #1/2)	1.4000A	367
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVERS (WITH OIL FILLER CAP)	1.8000A	45
FUEL INJECTOR (S60)	2.1000A	42
FUEL PUMP (WITH 3/8" FUEL INLET LINE) (THRU SERIAL NO. 12VA-5390)	2.2000	8
FUEL PUMP (WITH 1/2" FUEL INLET LINE - EFFECTIVE WITH 12VA-5391 AND THRU 12VA-26070)	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	171
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	720
GOVERNOR - MECHANICAL (LIMITING SPEED)	2.7000A	753
INJECTOR CONTROLS	2.9000	112
AIR INLET HOUSING (MANUAL SHUT-DOWN)	3.3000A	152
BLOWER (2.05:1 DRIVE RATIO, WITH MECHANICAL GOVERNOR) (12VA-1447) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM	4.1000B	205
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	119
OIL COOLER	4.4000A	246
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	365
OIL PAN	4.7000A	540
VENTILATING SYSTEM	4.8000A	291
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT (12VA-412)	5.2000B	79
WATER BY-PASS TUBE (12VA-412) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	5.2000C	141
FAN (SUCTION, 36" - 8 BLADE)	5.4000A	311
EXHAUST MANIFOLD (OFFSET END OUTLET)	6.1000A	204
EXHAUST MUFFLER FLANGE	6.2000A	233
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	1230
STARTING MOTOR (24V.)	7.3000A	186
INSTRUMENT PANEL (2' CAPILLARY)	7.4000A	21

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	103
AIR BOX DRAINS	1.1000A	34
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET (THRU SERIAL NO. 12VA-1171)	1.2000A	32
ENGINE LIFTER BRACKET (EFFECTIVE WITH 12VA-11721)	1.2000A	60
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER (STATIONARY)	1.3000A	50
VIBRATION DAMPER	1.3000B	36
CRANKSHAFT PULLEY	1.3000C	114
CRANKSHAFT PULLEY BELT	1.3000D	207
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	18
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER (WITH OIL FILLER CAP)	1.8000A	45
FUEL INJECTOR (S60)	2.1000A	42
FUEL PUMP (WITH 3/8" FUEL INLET LINE - THRU SERIAL NO. 12VA-5390)	2.2000	8
FUEL PUMP (WITH 1/2" FUEL INLET LINE - EFFECT W/12VA-5391 AND THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	171
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	720
GOVERNOR - MECHANICAL (LIMITING SPEED)	2.7000A	753
INJECTOR CONTROLS	2.9000	97
AIR INLET HOUSING (MANUAL SHUTDOWN)	3.3000A	152
BLOWER	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM	4.1000B	205
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	137
OIL COOLER	4.4000A	291
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	365
OIL PAN	4.7000A	540
VENTILATING SYSTEM	4.8000A	223
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	79
WATER BY-PASS TUBE	5.2000C	141
FAN (SUCTION, 40", 8 BLADE)	5.4000A	307
EXHAUST MANIFOLD (OFFSET VERTICAL END OUTLET)	6.1000A	204
EXHAUST MUFFLER FLANGE	6.2000A	233
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	1230
STARTING MOTOR (24V.)	7.3000A	186
INSTRUMENT PANEL (2' CAPILLARY ENGINE)	7.4000A	102
INSTRUMENT PANEL (3' CAPILLARY) (TORQUE CONVERTER)	7.4000A	124
TORQUE CONVERTER (TC-955)	8.3000A	275
TORQUE CONVERTER OIL LINES	8.3000B	136

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
AIR BOX DRAINS (THRU 12VA-013)	1.1000A	34
AIR BOX DRAINS (EFF. WITH 12VA-014)	1.1000A	42
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET (THRU 12VA-157)	1.2000A	39
ENGINE LIFTER BRACKET (EFF. WITH 12VA-158 AND THRU 12VA-1171)	1.2000A	32
ENGINE LIFTER BRACKET (EFF. WITH 12VA-1172) (12VA-1328) STD. EQUIP. NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN	1.2000A	60
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER (THRU 12VA-074)	1.3000A	60
CRANKSHAFT FRONT COVER (EFF. WITH 12VA-075) (12VA-483) STD. EQUIP. NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN	1.3000A	52
VIBRATION DAMPER	1.3000B	30
CRANKSHAFT PULLEY (7.28" DIA., 3 GROOVES)	1.3000C	119
CRANKSHAFT PULLEY BELT	1.3000D	249
FLYWHEEL	1.4000A	311
FLYWHEEL HOUSING (THRU 12VA-157)	1.5000A	206
FLYWHEEL HOUSING (EFF. WITH 12VA-158)	1.5000A	210
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER (PLAIN)	1.7000A	18
ACCESSORY DRIVE	1.7000B	39
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	46
FUEL INJECTOR (S60) (12VA-483) STD. EQUIP. NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN	2.1000A	42
FUEL PUMP (THRU 12VA-2762)	2.2000	8
FUEL PUMP (EFF. WITH 12VA-2763 AND THRU 12VA-6742)	2.2000	44
FUEL PUMP (EFF. WITH 12VA-6743)	2.2000	56
FUEL FILTER (WITH 3/8" INLET FUEL LINE) (THRU 12VA-6742)	2.3000A	288
FUEL FILTER (WITH 1/2" INLET FUEL LINE) (EFF. WITH 12VA-6743)	2.3000A	173
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" INLET FUEL LINES) (THRU 12VA-6742)	2.5000A	408
FUEL LINES (1/2" INLET FUEL LINE) (EFF. WITH 12VA-6743)	2.5000A	847
GOVERNOR - MECHANICAL (LIMITING SPEED) (12VA-2052) STD. EQUIP. NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN	2.7000A	753
INJECTOR CONTROLS THRU 12VA-403	2.9000	97
INJECTOR CONTROLS EFF. WITH 12VA-404	2.9000	112
AIR INLET HOUSING (MANUAL SHUT-DOWN)	3.3000A	157
BLOWER	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM (THRU 12VA-722)	4.1000B	176
OIL DISTRIBUTION SYSTEM (EFFECTIVE WITH 12VA-723)	4.1000B	205
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	126
OIL COOLER	4.4000A	487
OIL FILLER TUBE	4.5000A	52
DIPSTICK	4.6000A	199
OIL PAN	4.7000A	549
VENTILATING SYSTEM THRU 12VA-1351	4.8000A	221
VENTILATING SYSTEM EFF. WITH 12VA-1352	4.8000A	291
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	79
WATER BY-PASS TUBE	5.2000C	141
FAN (LESS BLADE)	5.4000A	387
EXHAUST MANIFOLD STD. EQUIP. THRU 12VA-483	6.1000A	204
BATTERY CHARGING GENERATOR THRU 12VA-089	7.1000A	628
BATTERY CHARGING GENERATOR EFF. WITH 12VA-090 AND THRU 12VA-548	7.1000A	674
BATTERY CHARGING GENERATOR (ATTACHING PARTS ONLY) (EFF. WITH 12VA-549; STD. EQUIP. THRU 12VA-5396	7.1000A	1170
TACHOMETER DRIVE THRU 12VA-131	7.4000B	135
TACHOMETER DRIVE EFF. WITH 12VA-132 AND THRU 12VA-16940	7.4000B	212
TACHOMETER DRIVE EFF. WITH 12VA-16941	7.4000B	472
ENGINE MOUNTING THRU 12VA-162	11.1000A	330
AIR COMPRESSOR THRU 12VA-874	12.4000A	200

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
AIR COMPRESSOR EFF. WITH 12VA-875; STD. THRU 12VA-1716	12.4000A	269
AIR COMPRESSOR (MOUNTING AND ATTACHING PARTS ONLY)	12.4000A	299
HYDRAULIC PUMP DRIVE	12.5000A	26

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	209
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 12VA-22299	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 12VA-22300 AND THRU 12VA-23677	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 12VA-23678 AND THRU 12VA-48823	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 12VA-48224; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	41
ROCKER COVERS	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" FUEL INLET LINES)	2.5000A	•
GOVERNOR - MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53463	3.4000	174
BLOWER EFF. WITH 12VA-53464; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	262
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER CAP	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN THRU 12VA-16949	4.7000A	517
OIL PAN EFF. WITH 12VA-16950	4.7000A	540
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP THRU 12VA-30283	5.1000	43
FRESH WATER PUMP EFF. WITH 12VA-30284	5.1000	165
WATER OUTLET MANIFOLD THRU 12VA-044518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENT PANEL	7.4000A	•
TACHOMETER DRIVE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.4000B	472
TACHOMETER DRIVE	7.4000B	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	92
AIR BOX DRAINS	1.1000A	42
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET STD EQUIP PRIOR TO 12VA-31079	1.2000A	71
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER STD EQUIP PRIOR TO 12VA-57779	1.3000A	50
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	36
CRANKSHAFT PULLEY	1.3000C	148
CRANKSHAFT PULLEY BELT	1.3000D	207
FLYWHEEL STD. EQUIP. PRIOR TO 12VA-28247	1.4000A	371
FLYWHEEL HOUSING (SAE #1/2) STD EQUIP PRIOR TO 12VA-31079	1.5000A	197
CONNECTING ROD AND PISTON THRU 12VA-22299	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 12VA-22300 AND THRU 12VA-23677	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 12VA-23678 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	138
CONNECTING ROD AND PISTON	1.6000	211
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	153
ROCKER COVER THRU 12VA-11982	1.8000A	129
ROCKER COVER EFF. WITH 12VA-11983 AND THRU 12VA-55800	1.8000A	143
ROCKER COVER EFF. WITH 12VA-55801 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	380
ROCKER COVER	1.8000A	•
FUEL INJECTOR N80	2.1000A	82
FUEL PUMP THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	146
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR - HYDRAULIC	2.8000A	542
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	118
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	467
BLOWER THRU 12VA-23990	3.4000	105
BLOWER EFF. WITH 12VA-23991 AND THRU 12VA-53463	3.4000	175
BLOWER EFF. WITH 12VA-53464 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	451
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER THRU 12VA-23990	3.5000A	106
TURBOCHARGER EFF. WITH 12VA-23991 AND THRU 12VA-49298	3.5000A	165
TURBOCHARGER EFF. WITH 12VA-49299 AND THRU 12VA-52714	3.5000A	281
TURBOCHARGER EFF. WITH 12VA-52715 THRU 12VA-65578	3.5000A	361
TURBOCHARGER EFF. WITH 12VA-65579	3.5000A	409
OIL PUMP STD. EQUIP. PRIOR TO 12VA-37266	4.1000A	61
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 12VA-37266	4.1000B	228
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	119
OIL FILTER	4.2000A	•
OIL COOLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	246
OIL COOLER	4.4000A	•
OIL FILLER CAP THRU 12VA-55800	4.5000A	46
OIL FILLER CAP EFF. WITH 12VA-55801 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER CAP	4.5000A	•
DIPSTICK STD. EQUIP. PRIOR TO 12VA-37266	4.6000A	215
DIPSTICK	4.6000A	•
OIL PAN STD. EQUIP. PRIOR TO 12VA-37266	4.7000A	218
OIL PAN	4.7000A	•
OIL PAN DRAIN TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	395
VENTILATING SYSTEM (CYLINDER BLOCK MOUNTED) THRU 12VA-11982	4.8000A	348
VENTILATING SYSTEM (CYLINDER BLOCK MOUNTED) EFF. WITH 12VA-11983, THRU 12VA-26113	4.8000A	429
VENTILATING SYSTEM EFF. WITH 12VA-26114 AND THRU 12VA-76578	4.8000A	659

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
VENTILATING SYSTEM EFF. WITH 12VA-76579 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	822
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ROCKER COVER) THRU 12VA-55800	4.8000A	358
VENTILATING SYSTEM (ROCKER COVER) EFF. WITH 12VA-55801 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	727
VENTILATING SYSTEM (ROCKER COVER)	4.8000A	•
FRESH WATER PUMP THRU 12VA-30283	5.1000	43
FRESH WATER PUMP EFF. WITH 12VA-30284	5.1000	165
WATER OUTLET MANIFOLD THRU 12VA-044518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-044519	5.2000A	165
THERMOSTAT STD. EQUIP. PRIOR TO 12VA-31079	5.2000B	92
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 12VA-31079	5.2000C	141
WATER BY-PASS	5.2000C	•
FAN	5.4000A	1229
EXHAUST MANIFOLD	6.1000A	244
EXHAUST MUFFLER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.2000A	364
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
STARTING MOTOR 24V.	7.3000A	186
AUTOMATIC SHUTDOWN	7.4000C	587
ENGINE MOUNTING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	11.10000A	340
ENGINE MOUNTING	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	92
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	71
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	36
FLYWHEEL	1.4000A	367
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON THRU 12VA-48823	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 12VA-44824	1.6000	174
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	153
ROCKER COVER	1.8000A	143
FUEL INJECTOR N80	2.1000A	82
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	579
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1218
GOVERNOR, HYDRAULIC	2.8000A	542
INJECTOR CONTROLS	2.9000	245
AIR INLET HOUSING	3.3000A	464
BLOWER	3.4000	80
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	165
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM	4.1000B	228
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	119
OIL COOLER (ENGINE)	4.4000A	246
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	215
OIL PAN	4.7000A	218
OIL PAN DRAIN TUBE	4.7000A	395
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	358
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD THRU 12VA-044518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-044519	5.2000A	165
THERMOSTAT	5.2000B	92
WATER BY-PASS TUBE	5.2000C	141
EXHAUST MANIFOLD	6.1000A	244
STARTING MOTOR	7.3000A	186
AUTOMATIC SHUTDOWN	7.4000C	587

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	92
AIR BOX DRAINS	1.1000A	103
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	51
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	65
FLYWHEEL STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	83
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	188
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	138
CONNECTING ROD AND PISTON	1.6000	211
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	41
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	153
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	382
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	592
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1492
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS THRU 12VA-43340	2.9000	203
INJECTOR CONTROLS EFF. WITH 12VA-43341; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	240
INJECTOR CONTROLS	2.9000	•
AIR SILENCER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.2000A	43
AIR SILENCER	3.2000A	•
AIR INLET HOUSING STD. EQUIP. PRIOR TO 12VA-43672	3.3000A	474
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53463	3.4000	174
BLOWER EFF. WITH 12VA-53464 AND THRU 12VA-77323	3.4000	262
BLOWER EFF. WITH 12VA-77324 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	444
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.5000A	145
TURBOCHARGER	3.5000A	•
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	60
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	393
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER THRU 12VA-70448	4.2000A	121
OIL FILTER EFF. WITH 12VA-70449; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	387
OIL FILTER	4.2000A	•
OIL COOLER THRU 12VA-70448	4.4000A	531
OIL COOLER EFF. WITH 12VA-70449; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	882
OIL COOLER	4.4000A	•
OIL FILLER, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER	4.5000A	•
DIPSTICK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	332
DIPSTICK	4.6000A	•
OIL PAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	541
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	727
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP THRU 12VA-30283	5.1000	43
FRESH WATER PUMP EFF. WITH 12VA-30284	5.1000	165
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	76
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	140
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 12VA-76320	5.3000B	125
WATER CONNECTIONS EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	369
WATER CONNECTIONS	5.3000B	•
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	92
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET THRU 12VA-15526	1.2000A	71
ENGINE LIFTER BRACKET EFF. WITH 12VA-15527 AND THRU 12VA-14385	1.2000A	86
ENGINE LIFTER BRACKET EFF. WITH 12VA-14386	1.2000A	207
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	52
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	30
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	119
FLYWHEEL	1.4000A	311
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	210
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 12VA-22299	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 12VA-22300 AND THRU 12VA-23677	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 12VA-23678 AND THRU 12VA-48823	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 12VA-48824; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	103
BALANCE WEIGHT COVER STD. EQUIP. PRIOR TO 12VA-16500	1.7000A	18
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	153
ROCKER COVER	1.8000A	133
FUEL INJECTOR STD. EQUIP. PRIOR TO 12VA-14385	2.1000A	81
FUEL INJECTOR	2.1000A	•
FUEL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	153
FUEL PUMP	2.2000	•
FUEL FILTER STD. EQUIP. PRIOR TO 12VA-8450	2.3000A	173
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO 12VA-8450	2.5000A	847
FUEL LINES	2.5000A	•
GOVERNOR - MECHANICAL	2.7000A	•
INJECTOR CONTROLS THRU 12VA-21898	2.9000	112
INJECTOR CONTROLS EFF. WITH 12VA-21899 AND THRU 12VA-28069	2.9000	178
INJECTOR CONTROLS EFF. WITH 12VA-28070; STD. EQUIP. PRIOR TO 12VA-30393	2.9000	240
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING STD. EQUIP. PRIOR TO 12VA-14385	3.3000A	473
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-23990	3.4000	105
BLOWER EFF. WITH 12VA-23991 AND THRU 12VA-53463	3.4000	175
BLOWER EFF. WITH 12VA-53464, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	452
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER STD. EQUIP. PRIOR TO 12VA-14385	3.5000A	105
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	205
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	487
OIL FILLER CAP	4.5000A	87
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	551
VENTILATING SYSTEM (ROCKER COVER)	4.8000A	358
VENTILATING SYSTEM (CYLINDER BLOCK MOUNTED) STD. EQUIP. PRIOR TO 12VA-17894	4.8000A	429
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD THRU 12VA-44518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-44519	5.2000A	165
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	79
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	141

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
FAN	5.4000A	390
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 12VA-14385	6.1000A	244
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	1813
TACHOMETER DRIVE THRU 12VA-16940	7.4000B	212
TACHOMETER DRIVE EFF. WITH 12VA-16941 AND THRU 12VA-20032	7.4000B	472
AIR COMPRESSOR	12.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	92
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	77
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	52
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	30
VIBRATION DAMPER	1.3000B	•
FLYWHEEL	1.4000A	684
FLYWHEEL HOUSING (SAE #1)	1.5000A	210
CONNECTING ROD AND PISTON THRU 12VA-48823	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 12VA-48824; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	383
FUEL INJECTOR N60	2.1000A	78
FUEL PUMP THRU 12VA-65823	2.2000	153
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	NONE
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1278
GOVERNOR, MECHANICAL	2.7000A	1054
INJECTOR CONTROLS THRU 12VA-45173	2.9000	112
INJECTOR CONTROLS EFF. WITH 12VA-45174, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	242
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	468
AIR INLET HOUSING STD. EQUIP. PRIOR TO 12VA-49153	3.3000A	467
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53463	3.4000	174
BLOWER EFF. WITH 12VA-53464 AND THRU 12VA-77323	3.4000	262
BLOWER EFF. WITH 12VA-77324 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	444
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER THRU 12VA-49152	3.5000A	236
TURBOCHARGER EFF. WITH 12VA-49153; STD. EQUIP. PRIOR TO BEING ON OPTION PLATE	3.5000A	323
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	77
OIL DISTRIBUTION SYSTEM	4.1000B	404
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	139
OIL COOLER	4.4000A	488
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	706
OIL PAN	4.7000A	585
VENTILATING SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	572
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	727
FRESH WATER PUMP THRU 12VA-52060	5.1000	168
FRESH WATER PUMP EFF. WITH 12VA-52061	5.1000	196
WATER OUTLET MANIFOLD THRU 12VA-49152	5.2000A	146
WATER OUTLET MANIFOLD EFF. WITH 12VA-49153	5.2000A	168
WATER CONNECTIONS THRU 12VA-49152	5.3000B	312
WATER CONNECTIONS EFF. WITH 12VA-49153	5.3000B	338
EXHAUST MANIFOLD	6.1000A	315

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	173
AIR BOX DRAINS	1.1000A	133
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	208
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	44
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	125
FLYWHEEL STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	958
FLYWHEEL HOUSING THRU 12VA-63017	1.5000A	471
FLYWHEEL HOUSING EFF. WITH 12VA-63018; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	596
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	187
CAMSHAFT AND GEAR TRAIN	1.7000	222
ACCESSORY DRIVE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000B	148
VALVE OPERATING MECHANISM THRU 12VA-69168	1.8000	154
VALVE OPERATING MECHANISM EFF. WITH 12VA-69169	1.8000	79
ROCKER COVER	1.8000A	414
FUEL INJECTOR	2.1000A	64
FUEL PUMP THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	678
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1502
GOVERNOR, MECHANICAL	2.7000A	1649
INJECTOR CONTROLS	2.9000	240
AIR INLET HOUSING	3.3000A	610
BLOWER	3.4000	292
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.5000A	394
OIL PUMP	4.1000A	150
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	449
OIL PRESSURE REGULATOR	4.1000C	19
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	274
OIL COOLER	4.4000A	784
OIL FILLER	4.5000A	134
DIPSTICK	4.6000A	635
OIL PAN THRU 12VA-76164	4.7000A	521
OIL PAN EFF. WITH 12VA-76165; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	707
VENTILATING SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	759
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	727
FRESH WATER PUMP THRU 12VA-69168	5.1000	206
FRESH WATER PUMP EFF. WITH 12VA-69169	5.1000	165
WATER OUTLET MANIFOLD	5.2000A	165
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	209
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	141
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	244
STARTING MOTOR	7.3000A	263
TACHOMETER DRIVE	7.4000B	699
AIR HEATER	7.8000A	189

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	114
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 12VA-77529	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 12VA-77530	1.1000A	177
AIR BOX DRAINS	1.1000A	42
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	71
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	52
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	82
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY STD. EQIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000C	307
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	521
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	188
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 12VA-22299	1.6000	111
CONNECTING ROD AND PISTON EFF. WITH 12VA-22300 AND THRU 12VA-23677	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 12VA-23678 AND THRU 12VA-58332	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 12VA-58333; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	184
CAMSHAFT AND GEAR TRAIN THRU 12VA-36558	1.7000	41
CAMSHAFT AND GEAR TRAIN EFF. WITH 12VA-36559	1.7000	98
BALANCE WEIGHT COVER	1.7000A	20
VALVE OPERATING MECHANISM	1.8000	52
ROCKER COVER	1.8000A	133
FUEL INJECTOR STD. EQUIP. PRIOR TO 12VA-35389	2.1000A	82
FUEL PUMP THRU 12VA-26070	2.2000	106
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	157
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	496
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1166
GOVERNOR, MECHANICAL STD. EQUIP. PRIOR TO 12VA-35389	2.7000A	1126
GOVERNOR, MECHANICAL	2.7000A	1412
INJECTOR CONTROLS THRU 12VA-28069	2.9000	178
INJECTOR CONTROLS EFF. WITH 12VA-28070 AND THRU 12VA-34673	2.9000	203
INJECTOR CONTROLS EFF. WITH 12VA-34674 AND THRU 12VA-43340	2.9000	227
INJECTOR CONTROLS EFF. WITH 12VA-43341	2.9000	240
THROTTLE CONTROLS	2.9000A	747
AIR INLET HOUSING THRU 12VA-36558	3.3000A	392
AIR INLET HOUSING EFF. WITH 12VA-36559	3.3000A	495
BLOWER THRU 12VA-41534	3.4000	154
BLOWER EFF. WITH 12VA-41535 AND THRU 12VA-53463	3.4000	175
BLOWER EFF. WITH 12VA-53464, STD. EQUIP. PRIOR TO 12VA-77673	3.4000	452
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.5000A	125
OIL PUMP	4.1000A	67
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	281
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	274
OIL COOLER THRU 12VA-63106	4.4000A	555
OIL COOLER EFF. WITH 12VA-63107; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	785
OIL FILLER	4.5000A	87
DIPSTICK	4.6000A	635
OIL PAN THRU 12VA-21685	4.7000A	557
OIL PAN EFF. WITH 12VA-21686; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	581
VENTILATING SYSTEM THRU 12VA-50516	4.8000A	553
VENTILATING SYSTEM EFF. WITH 12VA-50517; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	709
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	358
FRESH WATER PUMP THRU 12VA-30283	5.1000	43
FRESH WATER PUMP EFF. WITH 12VA-30284 AND THRU 12VA-63106	5.1000	165
FRESH WATER PUMP EFF. WITH 12VA-63107	5.1000	206
WATER OUTLET MANIFOLD THRU 12VA-50516	5.2000A	77

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
WATER OUTLET MANIFOLD EFF. WITH 12VA-50517	5.2000A	165
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	92
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	141
FAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.4000A	826
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	244
STARTING MOTOR	7.3000A	263
TACHOMETER DRIVE THRU 12VA-20779	7.4000B	351
TACHOMETER DRIVE EFF. WITH 12VA-20779; STD. THRU 12VA-51921	7.4000B	511
AUTOMATIC SHUTDOWN THRU 12VA-36558	7.4000C	752
AUTOMATIC SHUTDOWN EFF. WITH 12VA-36559	7.4000C	925
AIR COMPRESSOR CFM THRU 12VA-50516	12.4000A	665
AIR COMPRESSOR EFF. WITH 12VA-50517	12.4000A	958
HYDRAULIC PUMP DRIVE THRU 12VA-21899	12.5000A	149
HYDRAULIC PUMP DRIVE EFF. WITH 12VA-21900	12.5000A	182

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	92
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 12VA-70412	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 12VA-70413	1.1000A	133
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	129
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	87
FLYWHEEL STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	762
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	471
CONNECTING ROD AND PISTON THRU 12VA-22299	1.6000	111
CONNECTING ROD AND PISTON WITH 12VA-22300 AND THRU 12VA-23677	1.6000	119
CONNECTING ROD AND PISTON WITH 12VA-23678 AND THRU 12VA-58332	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 12VA-58333; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	184
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM THRU 12VA-22372	1.8000	153
VALVE OPERATING MECHANISM EFF. WITH 12VA-22373 AND THRU 12VA-69002	1.8000	52
VALVE OPERATING MECHANISM EFF. WITH 12VA-69003 AND THRU 12VA-70412	1.8000	41
VALVE OPERATING MECHANISM EFF. WITH 12VA-70413	1.8000	205
ROCKER COVER	1.8000A	133
FUEL INJECTOR M95	2.1000A	64
FUEL PUMP THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	496
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1166
GOVERNOR, MECHANICAL	2.7000A	1649
INJECTOR CONTROLS THRU 12VA-28069	2.9000	178
INJECTOR CONTROLS EFF. WITH 12VA-28070 AND THRU 12VA-46137	2.9000	203
INJECTOR CONTROLS EFF. WITH 12VA-46138	2.9000	240
AIR INLET HOUSING	3.3000A	392
BLOWER THRU 12VA-76487	3.4000	259
BLOWER EFF. WITH 12VA-76488 AND THRU 12VA-77323	3.4000	401
BLOWER EFF. WITH 12VA-77324	3.4000	402
TURBOCHARGER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.5000A	125
OIL PUMP THRU 12VA-70412	4.1000A	113
OIL PUMP EFF. WITH 12VA-70413	4.1000A	157
OIL DISTRIBUTION SYSTEM THRU 12VA-70412	4.1000B	363
OIL DISTRIBUTION SYSTEM EFF. WITH 12VA-70413; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	449
OIL PRESSURE REGULATOR	4.1000C	19
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	274
OIL COOLER THRU 12VA-63106	4.4000A	570
OIL COOLER EFF. WITH 12VA-63107; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	784
DIPSTICK	4.6000A	635
OIL PAN THRU 12VA-70412	4.7000A	521
OIL PAN EFF. WITH 12VA-70413; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	707
VENTILATING SYSTEM THRU 12VA-50517	4.8000A	553
VENTILATING SYSTEM EFF. WITH 12VA-50518 AND THRU 12VA-70412	4.8000A	709
VENTILATING SYSTEM EFF. WITH 12VA-70413; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	759
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	358
FRESH WATER PUMP THRU 12VA-30283	5.1000	43
FRESH WATER PUMP EFF. WITH 12VA-69003	5.1000	165
FRESH WATER PUMP EFF. WITH 12VA-30284 AND THRU 12VA-63106	5.1000	165
FRESH WATER PUMP EFF. WITH 12VA-63107 AND THRU 12VA-69002	5.1000	206
FRESH WATER PUMP EFF. WITH 12VA-69003	5.1000	165
WATER OUTLET MANIFOLD THRU 12VA-46137	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-46138	5.2000A	165
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	209
WATER BYPASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	141
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	244
STARTING MOTOR	7.3000A	263
AIR HEATER	7.8000A	176

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	245
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	287
CAMSHAFT AND GEAR TRAIN	1.7000	506
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	255
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	515
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	63
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000C	24
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	165
WATER OUTLET MANIFOLD	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	245
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	287
CAMSHAFT AND GEAR TRAIN	1.7000	498
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	259
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	63
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	165
WATER OUTLET MANIFOLD	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
AIR COMPRESSOR	12.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	244
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
VIBRATION DAMPER	1.3000B	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	525
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	263
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	559
BLOWER DRIVE SHAFT	3.4000A	•
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	150
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	19
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	165
WATER OUTLET MANIFOLD	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	71
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	36
CRANKSHAFT PULLEY	1.3000C	114
CRANKSHAFT PULLEY BELT	1.3000D	209
FLYWHEEL	1.4000A	311
FLYWHEEL HOUSING (SAE #1)	1.5000A	188
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	380
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL CONNECTION	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	240
AIR INLET HOUSING	3.3000A	645
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	260
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	398
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	24
OIL FILTER	4.2000A	119
OIL COOLER	4.4000A	246
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	365
OIL PAN	4.7000A	563
VENTILATING SYSTEM	4.8000A	727
FRESH WATER PUMP	5.1000	165
THERMOSTAT	5.2000B	79
WATER BYPASS TUBE	5.2000C	141
FAN	5.4000A	1278
EXHAUST MANIFOLD	6.1000A	446
BATTERY CHARGING GENERATOR	7.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	51
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	174
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	241
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-77323	3.4000	262
BLOWER EFF. WITH 12VA-77324	3.4000	444
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	57
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	365
OIL PAN	4.7000A	538
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	165
WATER OUTLET MANIFOLD	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	244
EXHAUST MUFFLER	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
TACHOMETER DRIVE	7.4000B	•
AIR COMPRESSOR	12.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	322
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	452
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	165
WATER OUTLET MANIFOLD	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	36
CRANKSHAFT PULLEY	1.3000C	134
CRANKSHAFT PULLEY BELT	1.3000D	207
FLYWHEEL	1.4000A	367
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	45
FUEL INJECTOR S60	2.1000A	78
FUEL PUMP (WITH 3/8" INLET LINE) 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	173
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	797
GOVERNOR, MECHANICAL	2.7000A	753
INJECTOR CONTROLS	2.9000	97
THROTTLE CONTROLS	2.9000A	559
AIR CLEANER	3.1000A	245
AIR INLET HOUSING	3.3000A	182
BLOWER	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM	4.1000B	228
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	246
OIL FILLER CAP	4.5000A	46
DIPSTICK	4.6000A	215
OIL PAN	4.7000A	218
OIL PAN DRAIN TUBE	4.7000A	395
VENTILATING SYSTEM	4.8000A	604
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	92
WATER BYPASS TUBE	5.2000C	140
RADIATOR	5.3000A	66
WATER CONNECTIONS	5.3000B	129
FAN	5.4000A	307
FAN SHROUD	5.4000B	43
FAN SHROUD	5.4000B	55
EXHAUST MANIFOLD	6.1000A	204
EXHAUST MUFFLER FLANGE	6.2000A	233
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	735
STARTING MOTOR 24V.	7.3000A	186
INSTRUMENTS	7.4000A	439
TACHOMETER DRIVE	7.4000B	466
WIRING HARNESS	7.7000A	277
POWER TAKE-OFF	8.1000A	328
ENGINE MOUNTS	11.1000A	340
ENGINE BASE	11.1000A	366

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	36
CRANKSHAFT PULLEY	1.3000C	148
CRANKSHAFT PULLEY BELT	1.3000D	207
FLYWHEEL HOUSING (SAE # 1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER (WITH OIL FILLER CAP)	1.8000A	45
FUEL INJECTOR (N55)	2.1000A	77
FUEL PUMP (WITH 3/8" FUEL INLET LINE) THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	173
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	797
GOVERNOR - MECHANICAL (LIMITING SPEED)	2.7000A	735
INJECTOR CONTROLS THRU 12VA-28126	2.9000	97
INJECTOR CONTROLS EFF. WITH 12VA-28127	2.9000	112
THROTTLE CONTROLS	2.9000A	559
AIR CLEANER	3.1000A	245
AIR INLET HOUSING (MANUAL SHUTDOWN)	3.3000A	182
BLOWER	3.4000	96
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM	4.1000B	228
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	137
OIL COOLER	4.4000A	291
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	215
OIL PAN	4.7000A	218
OIL PAN DRAIN TUBE	4.7000A	395
VENTILATING SYSTEM	4.8000A	223
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	92
WATER BY-PASS TUBE	5.2000C	140
RADIATOR	5.3000A	63
WATER CONNECTIONS	5.3000B	129
FAN (SUCTION, 40", 8 BLADE)	5.4000A	307
FAN SHROUD	5.4000B	43
FAN SHROUD	5.4000B	55
EXHAUST MANIFOLD	6.1000A	204
EXHAUST MUFFLER FLANGE	6.2000A	233
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	735
STARTING MOTOR (24V.)	7.3000A	186
INSTRUMENT PANEL	7.4000A	471
TACHOMETER DRIVE	7.4000B	471
WIRING HARNESS	7.7000A	277
TORQUE CONVERTER	8.3000A	275
TORQUE CONVERTER LINES	8.3000B	103
ENGINE MOUNTING	11.1000A	340
ENGINE BASE	11.1000A	332

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	36
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	134
FLYWHEEL	1.4000A	367
FLYWHEEL HOUSING (SAE # 1/2)	1.5000A	197
CONNECTING ROD AND PISTON THRU 12VA-044518	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 12VA-044519; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	26
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER THRU 12VA-55800	1.8000A	45
ROCKER COVER EFF. WITH 12VA-55801 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	374
ROCKER COVER	1.8000A	•
FUEL INJECTOR (N55)	2.1000A	77
FUEL PUMP (WITH 3/8" FUEL INLET LINE) THRU 12VA-26070	2.2000	51
FUEL PUMP WITH 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP EFF. WITH 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR - MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	242
THROTTLE CONTROLS	2.9000A	567
AIR CLEANER	3.1000A	245
AIR INLET HOUSING (MANUAL SHUTDOWN) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.3000A	182
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 12VA-53308	3.4000	96
BLOWER EFF. WITH 12VA-53309; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	251
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 12VA-59520	4.1000C	11
OIL PRESSURE REGULATOR EFF. WITH 12VA-59521	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	246
OIL FILLER CAP (ON ROCKER COVER) THRU 12VA-55800	4.5000A	46
OIL FILLER CAP (ON ROCKER COVER) EFF. WITH 12VA-55801 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.50 00A	126
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	•
DIPSTICK	4.6000A	215
OIL PAN	4.7000A	218
VENTILATING SYSTEM	4.8000A	223
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD THRU 12VA-044518	5.2000A	77
WATER OUTLET MANIFOLD EFF. WITH 12VA-044519	5.2000A	165
THERMOSTAT	5.2000B	96
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	140
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS THRU 12VA-76320	5.3000B	125
WATER CONNECTIONS EFF. WITH 12VA-76321; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	369
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	354
EXHAUST MANIFOLD	6.1000A	128
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR (24V., 20 AMP)	7.1000A	1810
STARTING MOTOR (24V.)	7.3000A	186
INSTRUMENT PANEL	7.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
TACHOMETER DRIVE	7.4000B	●
WIRING HARNESS	7.7000A	277
POWER TAKE-OFF	8.1000A	328
ENGINE MOUNTING	11.1000A	340

● STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
AIR BOX DRAINS	1.1000A	39
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	36
CRANKSHAFT PULLEY	1.3000C	134
CRANKSHAFT PULLEY BELT	1.3000D	207
FLYWHEEL (SAE #1/2)	1.4000A	367
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER (WITH OIL FILLER CAP)	1.8000A	45
FUEL INJECTOR (S60)	2.1000A	42
FUEL PUMP (WITH 3/8" FUEL INLET LINE) (THRU SERIAL NO. 12VA-5833)	2.2000	8
FUEL PUMP (WITH 1/2" FUEL INLET LINE) (EFFECTIVE WITH 12VA-5834) (HI-CAPACITY) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.	2.2000	51
FUEL FILTER (12VA-380)	2.3000A	173
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (12VA-380)(STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIALNUMBER SHOWN.)	2.5000A	797
GOVERNOR - MECHANICAL (LIMITING SPEED)	2.7000A	753
INJECTOR CONTROLS (12VA-327) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TOSERIAL NUMBER SHOWN.)	2.9000	97
THROTTLE CONTROLS	2.9000A	559
AIR CLEANER	3.1000A	245
AIR INLET HOUSING (MANUAL SHUTDOWN)	3.3000A	182
BLOWER (12VA-1447) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM	4.1000B	228
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	119
OIL COOLER	4.4000A	246
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	215
OIL PAN	4.7000A	218
OIL PAN DRAIN TUBE	4.7000A	395
VENTILATING SYSTEM	4.8000A	223
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT (12VA-418)(STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIALNUMBER SHOWN.)	5.2000B	92
WATER BY-PASS TUBE	5.2000C	140
RADIATOR	5.3000A	66
WATER CONNECTIONS	5.3000B	129
FAN (SUCTION, 40", 8 BLADE)	5.4000A	307
FAN SHROUD	5.4000B	43
FAN SHROUD	5.4000B	55
EXHAUST MANIFOLD (PRIOR TO 12VA-028)	6.1000A	139
EXHAUST MANIFOLD (EFFECTIVE WITH 12VA-028) (12VA-028) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	6.1000A	204
EXHAUST MUFFLER FLANGE	6.2000A	233
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	735
STARTING MOTOR (24V.)	7.3000A	186
INSTRUMENT PANEL	7.4000A	439
TACHOMETER DRIVE	7.4000B	466
WIRING HARNESS	7.7000A	277
POWER TAKE-OFF	8.1000A	198
ENGINE MOUNTING	11.1000A	340
ENGINE BASE	11.1000A	366

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
AIR BOX DRAINS	1.1000A	47
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER (THRU SERIAL NO. 12VA-559)	1.3000B	30
VIBRATION DAMPER (EFFECTIVE WITH 12VA-560)	1.3000B	36
CRANKSHAFT PULLEY	1.3000C	148
CRANKSHAFT PULLEY BELT	1.3000D	207
FLYWHEEL (PART OF TORQUE CONVERTER)	1.4000A	
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER (WITH OIL FILLER CAP)	1.8000A	45
FUEL INJECTOR (S60)	2.1000A	42
FUEL PUMP (WITH 3/8" FUEL INLET LINES) (THRU SERIAL NO. 12VA-5833)	2.2000	8
FUEL PUMP (WITH 1/2" FUEL INLET LINES) EFF. WITH 12VA-5834 AND THRU 12VA-26070	2.2000	51
FUEL PUMP 12VA-26071 AND THRU 12VA-65823	2.2000	146
FUEL PUMP 12VA-65824	2.2000	177
FUEL FILTER	2.3000A	173
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" FUEL INLET) (THRU SERIAL NO. 12VA-5833)	2.5000A	395
FUEL LINES (1/2" FUEL INLET) (EFFECTIVE WITH 12VA-5834)	2.5000A	797
GOVERNOR - MECHANICAL (LIMITING SPEED)	2.7000A	753
INJECTOR CONTROLS	2.9000	97
THROTTLE CONTROLS	2.9000A	559
AIR CLEANER	3.1000A	245
AIR INLET HOUSING (MANUAL SHUTDOWN)	3.3000A	182
BLOWER	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM	4.1000B	228
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	137
OIL COOLER	4.4000A	291
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	215
OIL PAN	4.7000A	218
OIL PAN DRAIN TUBE	4.7000A	395
VENTILATING SYSTEM	4.8000A	223
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIALNUMBER SHOWN.)	5.2000A	77
THERMOSTAT (12VA-418)	5.2000B	79
THERMOSTAT	5.2000B	92
WATER BY-PASS TUBE	5.2000C	140
RADIATOR	5.3000A	63
WATER CONNECTIONS	5.3000B	129
FAN (SUCTION, 40", 8 BLADE)	5.4000A	307
FAN SHROUD	5.4000B	43
FAN SHROUD	5.4000B	55
EXHAUST MANIFOLD	6.1000A	204
EXHAUST MUFFLER FLANGE	6.2000A	233
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	735
STARTING MOTOR (24V.)	7.3000A	186
INSTRUMENT PANEL	7.4000A	471
TACHOMETER DRIVE	7.4000B	471
WIRING HARNESS	7.7000A	277
TORQUE CONVERTER (TC-955)	8.3000A	275
TORQUE CONVERTER OIL LINES	8.3000B	103
ENGINE MOUNTING (12VA-560) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	11.1000A	340
ENGINE BASE	11.1000A	332

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
AIR BOX DRAINS	1.1000A	39
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	36
CRANKSHAFT PULLEY (7 1/2" DIA., 2 GROOVES, 6 15/32" DIA., 3 GROOVES)	1.3000C	134
FLYWHEEL (SAE #1/2)	1.4000A	367
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER (WITH OIL FILLER CAP)	1.8000A	45
FUEL INJECTOR (S55)	2.1000A	44
FUEL PUMP (WITH 3/8" FUEL INLET LINES) (THRU SERIAL NO. 12VA-5390)	2.2000	8
FUEL PUMP (1/2" FUEL INLET LINES) (EFFECTIVE WITH 12VA-5391) (HI-CAPACITY)	2.2000	51
FUEL FILTER (WITH 3/8" FUEL INLET LINES) (12VA-380) (STANDARD EQUIPTMENT NOT OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	2.3000A	173
FUEL FILTER (WITH 1/2" FUEL INLET LINES)	2.3000A	206
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (3/8" FUEL INLET LINES) (12VA-380) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	2.5000A	395
FUEL LINES (1/2" FUEL INLET LINES)	2.5000A	790
GOVERNOR - MECHANICAL (LIMITING SPEED)	2.7000A	753
INJECTOR CONTROLS	2.9000	97
THROTTLE CONTROLS	2.9000A	567
AIR CLEANER	3.1000A	245
AIR INLET HOUSING (MANUAL SHUTDOWN)	3.3000A	182
BLOWER (12VA-1447) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM	4.1000B	228
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	119
OIL COOLER	4.4000A	246
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	215
OIL PAN	4.7000A	218
VENTILATING SYSTEM	4.8000A	223
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT (12VA-378) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	5.2000B	76
THERMOSTAT	5.2000B	96
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS	5.3000B	125
HEAT EXCHANGER (12VA-667) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	5.5000A	311
HEAT EXCHANGER	5.5000A	354
EXHAUST MANIFOLD	6.1000A	128
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	646
STARTING MOTOR (24V.)	7.3000A	186
INSTRUMENT PANEL	7.4000A	484
TACHOMETER DRIVE	7.4000B	466
WIRING HARNESS	7.7000A	277
POWER TAKE-OFF	8.1000A	198
ENGINE MOUNTING	11.1000A	340

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	293
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	255
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	444
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	20
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	165
WATER OUTLET MANIFOLD	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	NONE
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	36
CRANKSHAFT PULLEY	1.3000C	134
CRANKSHAFT PULLEY BELT	1.3000D	207
FLYWHEEL	1.4000A	371
FLYWHEEL HOUSING (SAE # 1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER (WITH OIL FILLER CAP)	1.8000A	45
FUEL INJECTOR (N65)	2.1000A	97
FUEL PUMP	2.2000	51
FUEL FILTER	2.3000A	173
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	663
GOVERNOR - HYDRAULIC	2.8000A	542
INJECTOR CONTROLS	2.9000	118
THROTTLE CONTROLS	2.9000A	573
AIR CLEANER	3.1000A	253
AIR INLET HOUSING	3.3000A	197
BLOWER	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM	4.1000B	228
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	119
OIL COOLER	4.4000A	246
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	215
OIL PAN	4.7000A	218
OIL PAN DRAIN TUBE	4.7000A	395
VENTILATING SYSTEM	4.8000A	255
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	92
WATER BY-PASS TUBE	5.2000C	140
RADIATOR	5.3000A	66
WATER CONNECTIONS	5.3000B	129
FAN	5.4000A	335
FAN SHROUD	5.4000B	43
EXHAUST MANIFOLD	6.1000A	203
EXHAUST MUFFLER FLANGE	6.2000A	242
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	735
STARTING MOTOR	7.3000A	186
INSTRUMENT PANEL	7.4000A	457
TACHOMETER DRIVE	7.4000B	471
AUTOMATIC SHUTDOWN (MECHANICAL WITH OVERSPEED GOVERNOR)	7.4000C	406
OVERSPEED GOVERNOR	7.4000C	533
POWER GENERATOR	7.5000A	126
WIRING HARNESS	7.7000A	277
ENGINE BASE	11.1000A	416
ENGINE MOUNTING	11.1000A	438

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	36
CRANKSHAFT PULLEY	1.3000C	134
FLYWHEEL	1.4000A	371
FLYWHEEL HOUSING (SAE # 1/2)	1.5000A	197
CONNECTING ROD AND PISTON THRU 12VA-23405	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 12VA-23406 AND THRU 12VA-24335	1.6000	133
CONNECTING ROD AND PISTON EFF. WITH 12VA-24336	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	45
FUEL INJECTOR N60	2.1000A	78
FUEL PUMP THRU 12VA-26070	2.2000	51
FUEL PUMP EFF. WITH 12VA-26071	2.2000	146
FUEL FILTER	2.3000A	206
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	663
GOVERNOR, HYDRAULIC	2.8000A	542
INJECTOR CONTROLS	2.9000	118
THROTTLE CONTROLS	2.9000A	573
AIR CLEANER	3.1000A	253
AIR INLET HOUSING	3.3000A	247
BLOWER	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM	4.1000B	228
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	119
OIL COOLER	4.4000A	246
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	215
OIL PAN	4.7000A	218
OIL PAN DRAIN TUBE	4.7000A	395
VENTILATING SYSTEM	4.8000A	625
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	96
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS	5.3000B	125
HEAT EXCHANGER	5.5000A	354
EXHAUST MANIFOLD	6.1000A	128
EXHAUST MUFFLER FLANGE	6.2000A	25
EXHAUST MUFFLER CONNECTIONS	6.2000A	248
BATTERY CHARGING GENERATOR 24V., 20 AMP.	7.1000A	646
STARTING MOTOR 24V.	7.3000A	186
INSTRUMENTS	7.4000A	456
TACHOMETER DRIVE	7.4000B	466
AUTOMATIC SHUTDOWN	7.4000C	459
OVERSPEED GOVERNOR	7.4000C	533
POWER GENERATOR 235/285 KW, 60 CYCLE-3 PHASE, 1800 RPM	7.5000A	196
WIRING HARNESS	7.7000A	277
ENGINE MOUNTS	11.1000A	438
ENGINE BASE	11.1000A	456

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	109
CYLINDER HEAD	1.2000	29
CRANKSHAFT THRU 12VA-25267	1.3000	25
CRANKSHAFT EFF. WITH 12VA-25268	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER	1.3000B	36
CRANKSHAFT PULLEY	1.3000C	134
CRANKSHAFT PULLEY BELT	1.3000D	207
FLYWHEEL	1.4000A	371
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	44
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	45
FUEL INJECTOR N70	2.1000A	80
FUEL PUMP	2.2000	150
FUEL FILTER	2.3000A	197
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	567
GOVERNOR, HYDRAULIC	2.8000A	895
INJECTOR CONTROLS	2.9000	118
AIR CLEANER	3.1000A	350
AIR INLET HOUSING	3.3000A	502
BLOWER	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM	4.1000B	426
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	309
OIL COOLER	4.4000A	368
OIL FILLER	4.5000A	46
DIPSTICK	4.6000A	382
OIL PAN	4.7000A	601
OIL PAN DRAIN TUBE	4.7000A	396
VENTILATING SYSTEM	4.8000A	310
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	79
WATER BY-PASS TUBE	5.2000C	140
RADIATOR	5.3000A	93
WATER CONNECTIONS	5.3000B	127
FAN	5.4000A	335
FAN SHROUD	5.4000B	50
EXHAUST MANIFOLD	6.1000A	128
EXHAUST MUFFLER	6.2000A	290
STARTING MOTOR 32V.	7.3000A	240
INSTRUMENTS	7.4000A	482
GOVERNOR, OVERSPEED	7.4000C	637
POWER GENERATOR	7.5000A	139
CONTROL CABINET	7.6000A	166
WIRING HARNESS	7.7000A	326
WIRING HARNESS, CONTROL CABINET	7.7000A	327
ENGINE MOUNTS	11.1000A	438
ENGINE BASE	11.1000A	457

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	39
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER (12VA-7463) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TOSERIAL NUMBER SHOWN.)	1.3000B	36
VIBRATION DAMPER	1.3000B	75
CRANKSHAFT PULLEY (THRU 12VA-17626)	1.3000C	134
CRANKSHAFT PULLEY BELT (THRU SERIAL NO. 12VA-3961)	1.3000D	99
CRANKSHAFT PULLEY BELT (EFFECTIVE WITH 12VA-3962)	1.3000D	207
FLYWHEEL (SAE #1/2)	1.4000A	371
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER (WITH OIL FILLER CAP)	1.8000A	45
FUEL INJECTOR (S60)	2.1000A	42
FUEL PUMP (THRU 12VA-15212)	2.2000	8
FUEL PUMP (HI-CAPACITY) (EFFECTIVE WITH 12VA-15213)	2.2000	51
FUEL FILTER	2.3000A	173
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (THRU SERIAL NO. 12VA-3364)	2.5000A	395
FUEL LINES (EFFECTIVE WITH 12VA-3365 AND THRU 12VA-15212)	2.5000A	662
FUEL LINES (EFFECTIVE WITH 12VA-15213)	2.5000A	663
GOVERNOR - HYDRAULIC	2.8000A	542
INJECTOR CONTROLS	2.9000	118
THROTTLE CONTROLS	2.9000A	573
AIR CLEANER	3.1000A	253
AIR INLET HOUSING	3.3000A	197
BLOWER (THRU SERIAL NO. 12VA-1446)	3.4000	67
BLOWER (EFFECTIVE WITH 12VA-1447)	3.4000	80
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM (THRU SERIAL NO. 12VA-955)	4.1000B	189
OIL DISTRIBUTION SYSTEM (EFFECTIVE WITH 12VA-956)	4.1000B	228
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	119
OIL COOLER	4.4000A	246
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK (THRU SERIAL NO. 12VA-955)	4.6000A	128
DIPSTICK (EFFECTIVE WITH 12VA-956)	4.6000A	215
OIL PAN (WITH DRAIN TUBE) (THRU SERIAL NO. 12VA-955)	4.7000A	131
OIL PAN (EFFECTIVE WITH 12VA-956)	4.7000A	218
OIL PAN DRAIN TUBE (EFFECTIVE WITH 12VA-956)	4.7000A	395
VENTILATING SYSTEM	4.8000A	255
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	92
WATER BY-PASS TUBE	5.2000C	140
RADIATOR	5.3000A	66
WATER CONNECTIONS	5.3000B	129
FAN	5.4000A	335
FAN SHROUD	5.4000B	43
FAN SHROUD	5.4000B	55
EXHAUST MANIFOLD (THRU SERIAL NO. 12VA-2022)	6.1000A	164
EXHAUST MANIFOLD (EFFECTIVE WITH 12VA-2023)	6.1000A	203
EXHAUST MUFFLER FLANGE (THRU SERIAL NO. 12VA-2022)	6.2000A	24
EXHAUST MUFFLER FLANGE (EFFECTIVE WITH 12VA-2023)	6.2000A	242
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	735
STARTING MOTOR (24V.)	7.3000A	186
INSTRUMENT PANEL	7.4000A	457
TACHOMETER DRIVE	7.4000B	471
AUTOMATIC SHUTDOWN (MECHANICAL, WITH OVERSPEED GOVERNOR)	7.4000C	406

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
OVERSPEED GOVERNOR	7.4000C	533
POWER GENERATOR (235/260KW, 3 PHASE, 60 CYCLE, AC, 1800 RPM)	7.5000A	126
WIRING HARNESS	7.7000A	277
ENGINE BASE	11.1000A	416
ENGINE MOUNTING	11.1000A	438

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
AIR BOX DRAINS	1.1000A	39
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	37
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	50
VIBRATION DAMPER (12VA-7463) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TOSERIAL NUMBER SHOWN.)	1.3000B	36
VIBRATION DAMPER	1.3000B	75
CRANKSHAFT PULLEY (THRU 12V-17627)	1.3000C	134
FLYWHEEL (SAE #1/2)	1.4000A	371
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	197
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER (WITH OIL FILLER CAP)	1.8000A	45
FUEL INJECTOR (S60)	2.1000A	42
FUEL PUMP (THRU 12VA-15212)	2.2000	8
FUEL PUMP (HI-CAPACITY) (EFFECTIVE WITH 12VA-15213)	2.2000	51
FUEL FILTER	2.3000A	206
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (THRU SERIAL NO. 12VA-3364)	2.5000A	463
FUEL LINES (EFFECTIVE WITH 12VA-3365 AND THRU 12VA-15212)	2.5000A	661
FUEL LINES (EFFECTIVE WITH 12VA-15213)	2.5000A	663
GOVERNOR - HYDRAULIC	2.8000A	542
INJECTOR CONTROLS	2.9000	118
THROTTLE CONTROLS	2.9000A	573
AIR CLEANER	3.1000A	253
AIR INLET HOUSING	3.3000A	247
BLOWER (THRU SERIAL NO. 12VA-1446)	3.4000	67
BLOWER (EFFECTIVE WITH 12VA-1447)	3.4000	80
BLOWER DRIVE SHAFT	3.4000A	20
OIL PUMP	4.1000A	61
OIL DISTRIBUTION SYSTEM (THRU SERIAL NO. 12VA-955)	4.1000B	189
OIL DISTRIBUTION SYSTEM (EFFECTIVE WITH 12VA-956)	4.1000B	228
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	119
OIL COOLER	4.4000A	246
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK (THRU SERIAL NO. 12VA-955)	4.6000A	128
DIPSTICK (EFFECTIVE WITH 12VA-956)	4.6000A	215
OIL PAN	4.7000A	218
OIL PAN DRAIN TUBE	4.7000A	395
VENTILATING SYSTEM	4.8000A	255
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	96
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS	5.3000B	125
HEAT EXCHANGER (THRU SERIAL NO. 12VA-2362)	5.5000A	344
HEAT EXCHANGER (EFFECTIVE WITH 12VA-2363)	5.5000A	354
EXHAUST MANIFOLD	6.1000A	128
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR (24V., 20 AMP.)	7.1000A	646
STARTING MOTOR (24V., SPRAG TYPE)	7.3000A	186
INSTRUMENT PANEL	7.4000A	456
TACHOMETER DRIVE	7.4000B	466
AUTOMATIC SHUTDOWN (MECHANICAL WITH OVERSPEED GOVERNOR)	7.4000C	459
OVERSPEED GOVERNOR	7.4000C	533
POWER GENERATOR (235/260KW, 3 PHASE, 60 CYCLE, AC, 1800 RPM)	7.5000A	181
WIRING HARNESS	7.7000A	277
ENGINE BASE	11.1000A	456
ENGINE MOUNTING	11.1000A	438

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	55
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	429
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
HYDRAULIC GOVERNOR	2.8000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	451
BLOWER DRIVE SHAFT	3.4000A	11
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	24
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
OIL PAN DRAIN TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	395
OIL PAN DRAIN TUBE	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	165
WATER OUTLET MANIFOLD	5.2000A	165
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR	7.3000A	•
SHUT-OFF OR ALARM SYSTEM	7.4000C	•
ENGINE MOUNTING	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	47
AIR BOX DRAINS	1.1000A	54
CYLINDER HEAD	1.2000	37
ENGINE LIFTER BRACKET	1.2000A	55
CRANKSHAFT	1.3000	29
CRANKSHAFT FRONT COVER	1.3000A	72
FLYWHEEL HOUSING	1.5000A	235
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN	1.7000	52
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVERS	1.8000A	44
FUEL INJECTOR (N60)	2.1000A	78
FUEL PUMP	2.2000	51
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	838
GOVERNOR - MECHANICAL (VARIABLE SPEED)	2.8000A	766
INJECTOR CONTROLS	2.9000	137
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	64
OIL DISTRIBUTION SYSTEM	4.1000B	224
OIL PRESSURE REGULATOR	4.1000C	13
OIL COOLER	4.4000A	440
OIL FILLER CAP (IN ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	260
OIL PAN	4.7000A	219
VENTILATING SYSTEM (DISCHARGED DOWNSIDE OF FLYWHEEL HOUSING)	4.8000A	312
FRESH WATER PUMP (THRU 16VA-3432)	5.1000	91
FRESH WATER PUMP (EFF. WITH 16VA-3433)	5.1000	130
WATER MANIFOLD	5.2000A	90
THERMOSTAT	5.2000B	137

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	47
AIR BOX DRAINS	1.1000A	56
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 16VA-17758	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 16VA-17759 AND THRU 16VA-18345	1.1000A	150
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 16VA-18346	1.1000A	142
CYLINDER HEAD	1.2000	37
CRANKSHAFT	1.3000	49
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	74
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	124
CRANKSHAFT PULLEY	1.3000C	262
FLYWHEEL	1.4000A	629
FLYWHEEL HOUSING (SAE #0)	1.5000A	382
CONNECTING ROD AND PISTON THRU 16VA-6146	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 16VA-6147 AND THRU 16VA-6422	1.6000	133
CONNECTING ROD AND PISTON EFF. WITH 16VA-6423; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	56
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER STD. EQUIP. PRIOR TO 16VA-1320	1.8000A	44
ROCKER COVER	1.8000A	•
FUEL INJECTOR N55	2.1000A	77
FUEL PUMP THRU 16VA-6781	2.2000	51
FUEL PUMP EFF. WITH 16VA-6782 AND THRU 16VA-16728	2.2000	146
FUEL PUMP EFF. WITH 16VA-16729	2.2000	177
FUEL FILTER	2.3000A	584
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1432
GOVERNOR, MECHANICAL	2.7000A	766
INJECTOR CONTROLS	2.9000	246
THROTTLE CONTROLS	2.9000A	701
AIR SILENCER	3.2000A	36
AIR INLET HOUSING	3.3000A	319
BLOWER THRU 16VA-14226	3.4000	66
BLOWER EFF. WITH 16VA-14227, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	268
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	71
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE)	4.4000A	340
OIL COOLER (MARINE GEAR)	4.4000A	524
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	355
OIL PAN	4.7000A	365
VENTILATING SYSTEM	4.8000A	501
FRESH WATER PUMP	5.1000	90
WATER OUTLET MANIFOLD THRU 16VA-10896	5.2000A	90
WATER OUTLET MANIFOLD EFF. WITH 16VA-10897	5.2000A	166
THERMOSTAT	5.2000B	155
WATER BY-PASS TUBE	5.2000C	175
WATER CONNECTIONS THRU 16VA-18831	5.3000B	170
WATER CONNECTIONS EFF. WITH 16VA-18832	5.3000B	371
HEAT EXCHANGER	5.5000A	486
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	16
EXHAUST MANIFOLD THRU 16VA-18831	6.1000A	181
EXHAUST MANIFOLD EFF. WITH 16VA-18832	6.1000A	533
EXHAUST MUFFLER FLANGE	6.2000A	220
BATTERY CHARGING GENERATOR 24V., 60 AMP.	7.1000A	1883
STARTING MOTOR 24V.	7.3000A	189
INSTRUMENTS	7.4000A	842
TACHOMETER DRIVE	7.4000B	191
TACHOMETER DRIVE CABLE (15')	7.4000B	46
HYDRAULIC MARINE GEAR	9.1000A	756

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
ENGINE MOUNTS	11.1000A	531

● STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	47
AIR BOX DRAINS	1.1000A	56
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 16VA-17758	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 16VA-17759 AND THRU 16VA-18345	1.1000A	150
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 16VA-18346	1.1000A	142
CYLINDER HEAD	1.2000	37
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	49
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	74
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	124
CRANKSHAFT PULLEY	1.3000C	262
FLYWHEEL	1.4000A	629
FLYWHEEL HOUSING (SAE #0)	1.5000A	382
CONNECTING ROD AND PISTON THRU 16VA-6146	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 16VA-6147 AND THRU 16VA-6422	1.6000	133
CONNECTING ROD AND PISTON EFF. WITH 16VA-6423 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	52
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER STD. EQUIP. PRIOR TO 16VA-1340	1.8000A	44
ROCKER COVER	1.8000A	384
FUEL INJECTOR N55	2.1000A	77
FUEL PUMP THRU 16VA-6781	2.2000	51
FUEL PUMP EFF. WITH 16VA-6782 AND THRU 16VA-16705	2.2000	146
FUEL PUMP EFF. WITH 16VA-16706	2.2000	177
FUEL FILTER	2.3000A	584
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1432
GOVERNOR, MECHANICAL	2.7000A	766
INJECTOR CONTROLS	2.9000	246
THROTTLE CONTROLS	2.9000A	701
AIR SILENCER	3.2000A	36
AIR INLET HOUSING	3.3000A	319
BLOWER THRU 16VA-14226	3.4000	66
BLOWER EFF. WITH 16VA-14227 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	267
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	65
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER STD. EQUIP. PRIOR TO 16VA-1083	4.2000A	381
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE)	4.4000A	340
OIL COOLER (MARINE GEAR)	4.4000A	524
OIL FILLER STD. EQUIP. PRIOR TO 16VA-1340	4.5000A	46
OIL FILLER	4.5000A	125
DIPSTICK	4.6000A	355
OIL PAN	4.7000A	365
VENTILATING SYSTEM	4.8000A	421
FRESH WATER PUMP	5.1000	90
WATER OUTLET MANIFOLD THRU 16VA-10896	5.2000A	90
WATER OUTLET MANIFOLD EFF. WITH 16VA-10897	5.2000A	166
THERMOSTAT	5.2000B	155
WATER BYPASS TUBE	5.2000C	175
WATER CONNECTIONS THRU 16VA-18831	5.3000B	170
WATER CONNECTIONS EFF. WITH 16VA-18832	5.3000B	371
HEAT EXCHANGER	5.5000A	486
RAW WATER PUMP	5.6000A	•
WATER FILTER	5.7000A	16
EXHAUST MANIFOLD THRU 16VA-18831	6.1000A	181
EXHAUST MANIFOLD EFF. WITH 16VA-18832	6.1000A	533
EXHAUST MUFFLER FLANGE	6.2000A	220
BATTERY CHARGING GENERATOR 24V., 60 AMP.	7.1000A	1884
STARTING MOTOR 24V.	7.3000A	186
INSTRUMENTS	7.4000A	842

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
TACHOMETER DRIVE	7.4000B	191
TACHOMETER DRIVE CABLE (15')	7.4000B	46
HYDRAULIC MARINE GEAR PUMP	9.1000A	1041
ENGINE MOUNTS	11.1000A	661

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	40
AIR BOX DRAINS	1.1000A	56
CYLINDER HEAD	1.2000	37
ENGINE LIFTER BRACKET (PART OF AIR CLEANER AND HEAT EXCHANGER GROUPS)	1.2000A	
CRANKSHAFT	1.3000	29
CRANKSHAFT FRONT COVER THRU 16VA-202	1.3000A	71
CRANKSHAFT FRONT COVER EFF. WITH 16VA-203	1.3000A	74
VIBRATION DAMPER STD. EQUIP. PRIOR TO 16VA-167	1.3000B	49
CRANKSHAFT PULLEY (2 GROOVE)	1.3000C	262
FLYWHEEL	1.4000A	440
FLYWHEEL HOUSING (SAE #1)	1.5000A	236
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN	1.7000	52
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER (WITH OIL FILLER)	1.8000A	44
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP THRU 16VA-004	2.2000	45
FUEL PUMP EFF. WITH 16VA-005	2.2000	51
FUEL FILTER	2.3000A	231
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES THRU 16VA-856	2.5000A	513
FUEL LINES EFF. WITH 16VA-857	2.5000A	726
GOVERNOR, MECHANICAL (VARIABLE SPEED)	2.7000A	766
INJECTOR CONTROLS (WITH MECHANICAL GOVERNOR)	2.9000	137
THROTTLE CONTROLS (WITH VARIABLE SPEED GOVERNOR)	2.9000A	701
AIR SILENCER	3.2000A	25
AIR INLET HOUSING (WITH AIR SILENCER)	3.3000A	319
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP STD. EQUIP. PRIOR TO 16VA-112	4.1000A	65
OIL DISTRIBUTION SYSTEM	4.1000B	226
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	159
OIL COOLER (ENGINE)	4.4000A	340
OIL COOLER (MARINE GEAR)	4.4000A	345
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	355
OIL PAN	4.7000A	220
VENTILATING SYSTEM (WITH AIR SILENCER)	4.8000A	284
FRESH WATER PUMP THRU 16VA-050	5.1000	73
FRESH WATER PUMP EFF. WITH 16VA-051 THRU 16VA-219, EXCEPT 16VA-203	5.1000	76
FRESH WATER PUMP EFF. WITH 16VA-220 THRU 16VA-285 AND ALSO USED ON 16VA-203	5.1000	88
FRESH WATER PUMP EFF. WITH 16VA-286	5.1000	90
WATER OUTLET MANIFOLD	5.2000A	90
THERMOSTAT (HEAT EXCHANGER COOLING)	5.2000B	155
WATER BY-PASS TUBE	5.2000C	175
WATER CONNECTIONS	5.3000B	170
HEAT EXCHANGER	5.5000A	365
RAW WATER PUMP (WITH HEAT EXCHANGER COOLING)	5.6000A	37
WATER FILTER	5.7000A	16
EXHAUST MANIFOLD	6.1000A	181
EXHAUST MUFFLER FLANGE	6.2000A	220
BATTERY CHARGING GENERATOR 24V., 60 AMP., REAR MOUNTED	7.1000A	1321
STARTING MOTOR 24V.	7.3000A	186
INSTRUMENT PANEL (15' CAPILLARY)	7.4000A	220
TACHOMETER DRIVE CABLE (15')	7.4000B	46
TACHOMETER DRIVE (SINGLE OUTLET ADAPTOR)	7.4000B	191
HYDRAULIC MARINE GEAR (2.17 TO 1 RATIO)	9.1000A	607
ENGINE MOUNTS	11.1000A	445

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	40
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 16VA-17923	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 16VA-17924	1.1000A	142
AIR BOX DRAINS	1.1000A	54
CYLINDER HEAD	1.2000	37
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 16VA-1469	1.2000A	99
CRANKSHAFT	1.3000	49
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 16VA-2614	1.3000A	72
VIBRATION DAMPER STD. EQUIP. PRIOR 16VA-2614	1.3000B	57
VIBRATION DAMPER	1.3000B	122
CRANKSHAFT PULLEY	1.3000C	296
CRANKSHAFT PULLEY BELT	1.3000D	266
FLYWHEEL	1.4000A	794
FLYWHEEL HOUSING	1.5000A	235
CONNECTING ROD AND PISTON THRU 16VA-6146	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 16VA-6147 AND THRU 16VA-6422	1.6000	133
CONNECTING ROD AND PISTON EFF. WITH 16VA-6423 AND THRU 16VA-17419, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	56
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER	1.8000A	384
ROCKER COVER STANDARD EQUIP. PRIOR TO 16VA-17928	1.8000A	•
FUEL INJECTOR N60	2.1000A	78
FUEL PUMP THRU 16VA-6781	2.2000	51
FUEL PUMP EFF. WITH 16VA-6782 AND THRU 16VA-16728	2.2000	146
FUEL PUMP WITH 16VA-16729	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	766
INJECTOR CONTROLS	2.9000	137
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	99
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	64
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	338
OIL FILLER	4.5000A	125
OIL FILLER STANDARD EQUIP. PRIOR TO 16VA-17928	4.5000A	•
DIPSTICK THRU 16VA-5147	4.6000A	260
DIPSTICK EFF. WITH 16VA-5148	4.6000A	691
OIL PAN	4.7000A	616
VENTILATING SYSTEM	4.8000A	538
FRESH WATER PUMP THRU 16VA-202	5.1000	79
FRESH WATER PUMP EFF. WITH 16VA-203 AND THRU 16VA-286	5.1000	87
FRESH WATER PUMP EFF. WITH 16VA-287 AND THRU 16VA-3204	5.1000	91
FRESH WATER PUMP EFF. WITH 16VA-3205	5.1000	130
WATER OUTLET MANIFOLD THRU 16VA-10896	5.2000A	90
WATER OUTLET MANIFOLD EFF. WITH 16VA-10897	5.2000A	166
THERMOSTAT THRU 16VA-301	5.2000B	102
THERMOSTAT EFF. WITH 16VA-302 AND THRU 16VA-1246	5.2000B	125
THERMOSTAT EFF. WITH 16VA-1247	5.2000B	137
THERMOSTAT STANDARD EQUIP. PRIOR TO 16VA-17928	5.2000B	•
WATER BY-PASS TUBE	5.2000C	223
FAN	5.4000A	1334
EXHAUST MANIFOLD	6.1000A	109
BATTERY CHARGING GENERATOR 24V., 30 AMP.	7.1000A	1118
STARTING MOTOR 24V	7.3000A	186
ENGINE MOUNTS THRU 16VA-5078	11.1000A	486
ENGINE MOUNTS EFF. WITH 16VA-5079	11.1000A	597

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK (16VA-105) (STANDARD EQUIPMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN)	1.1000	40
	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	54
AIR BOX DRAINS	1.2000	37
CYLINDER HEAD	1.2 000A	55
ENGINE LIFTER BRACKET (16VA-1469) (STANDARD EQUIPMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN)	1.3000	49
	1.3000A	71
CRANKSHAFT	1.3000A	72
CRANKSHAFT FRONT COVER (THRU SERIAL NO. 16VA-104)	1.3000B	49
CRANKSHAFT FRONT COVER (EFFECTIVE WITH 16VA-105) (16VA-2614) (STANDARD EQUIPMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN)	1.3000B	57
	1.3000C	296
VIBRATION DAMPER (THRU SERIAL NO. 16VA-104)	1.3000D	266
VIBRATION DAMPER (EFFECTIVE WITH 12VA-105) (16VA-2614) (STANDARD EQUIPMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN)	1.4000A	438
	1.5000A	235
CRANKSHAFT PULLEY	1.6000	36
CRANKSHAFT PULLEY BELT	1.7000	56
FLYWHEEL	1.8000	25
FLYWHEEL HOUSING	1.8000A	44
CONNECTING ROD AND PISTON	2.1000A	42
CAMSHAFT AND GEAR TRAIN	2.2000	45
VALVE OPERATING MECHANISM	2.2000	51
ROCKER COVERS	2.3000A	534
FUEL INJECTOR (S60)	2.4000	55
FUEL PUMP (THRU SERIAL NO. 16VA-004)	2.5000A	1121
FUEL PUMP (EFFECTIVE WITH 16VA-005)	2.7000A	766
FUEL FILTER	2.9000	137
FUEL MANIFOLD CONNECTIONS	3.3000A	301
FUEL LINES	3.4000	66
GOVERNOR, MECHANICAL (VARIABLE SPEED)	3.4000A	19
INJECTOR CONTROLS	4.100 0A	64
AIR INLET HOUSING	4.1000B	224
BLOWER	4.1000C	13
BLOWER DRIVE SHAFT	4.2000A	159
OIL PUMP (RC ENGINE) (16VA-021) (STANDARD EQUIPMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN)	4.4000A	338
	4.5000A	46
OIL DISTRIBUTION SYSTEM	4.6000A	260
OIL PRESSURE REGULATOR	4.7000A	219
OIL FILTER	4.8000A	538
OIL COOLER	5.1000	66
OIL FILLER CAP (ON ROCKER COVER)	5.1000	75
DIPSTICK	5.1000	79
OIL PAN (20 DEG. INCLINED OPERATION, PLAIN)	5.1000	87
VENTILATING SYSTEM	5.1000	91
FRESH WATER PUMP (THRU SERIAL NO. 16VA-056)	5.1000	130
FRESH WATER PUMP (EFFECTIVE WITH 16VA-057 THRU 16VA-104)	5.2000A	90
FRESH WATER PUMP (EFFECTIVE WITH 16VA-105 THRU 16VA-221)	5.2000B	97
FRESH WATER PUMP (EFFECTIVE WITH 16VA-222 THRU 16VA-285)	5.2000B	102
FRESH WATER PUMP (EFFECTIVE WITH 16VA-286 THRU 16VA-3562)	5.2000B	125
FRESH WATER PUMP (EFFECTIVE WITH 16VA-3563)	5.2000B	137
WATER MANIFOLD	5.2000C	175
THERMOSTAT (THRU SERIAL NO. 16VA-049)	5.2000C	223
THERMOSTAT (EFFECTIVE WITH 16VA-050 THRU SERIAL NO. 16VA-301)	5.4000A	774
THERMOSTAT (EFFECTIVE WITH 16VA-302, THRU 16VA-1246)	6.1000A	109
THERMOSTAT (EFFECTIVE WITH 16VA-1247)	7.1000A	1118
WATER BY-PASS TUBE (THRU SERIAL NO. 16VA-104)	7.3000A	186
WATER BY-PASS TUBE (EFFECTIVE WITH 16VA-105) (16VA-124) (STANDARD EQUIPMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN)	11.1000A	486
FAN (40"-8 BLADE RH SUCTION; LH BLOWER)		
EXHAUST MANIFOLD (VERTICAL CENTER OUTLET)		
BATTERY CHARGING GENERATOR (24V., 30 AMP)		
STARTING MOTOR (24V)		
ENGINE MOUNTING		

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	40
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 16VA-17923	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 16VA-17924	1.1000A	142
AIR BOX DRAINS	1.1000A	54
CYLINDER HEAD	1.2000	37
ENGINE LIFTER BRACKET STD. EQUIP. PRIORTO 16VA-1469	1.2000A	99
CRANKSHAFT THRU 16VA-19540	1.3000	49
CRANKSHAFT EFF. WITH 16VA-19541	1.3000	90
CRANKSHAFT FRONT COVER STD EQUIP PRIOR TO 16VA-2614	1.3000A	72
VIBRATION DAMPER STD. EQUIP. PRIOR 16VA-2614	1.3000B	57
VIBRATION DAMPER	1.3000B	122
CRANKSHAFT PULLEY	1.3000C	296
CRANKSHAFT PULLEY BELT	1.3000D	266
FLYWHEEL	1.4000A	794
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	235
CONNECTING ROD AND PISTON THRU 16VA-6146	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 16VA-6147 AND THRU 16VA-6422	1.6000	133
CONNECTING ROD AND PISTON EFF. WITH 16VA-6423 AND THRU 16VA-17419, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	52
CAMSHAFT AND GEAR TRAIN	1.7000	•
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER	1.8000A	384
ROCKER COVER STANDARD EQUIP PRIOR TO 16VA-17928	1.8000A	•
FUEL INJECTOR N60	2.1000A	78
FUEL PUMP THRU 16VA-6781	2.2000	51
FUEL PUMP EFF. WITH 16VA-6782 AND THRU 16VA-16728	2.2000	146
FUEL PUMP WITH 16VA-16729	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	766
INJECTOR CONTROLS	2.9000	137
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 16VA-14226	3.4000	99
BLOWER EFF. WITH 16VA-14227 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	447
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	64
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	338
OIL FILLER	4.5000A	125
OIL FILLER STANDARD EQUIP PRIOR TO 16VA-17928	4.5000A	•
DIPSTICK THRU 16VA-5147	4.6000A	260
DIPSTICK EFF. WITH 16VA-5148	4.6000A	691
OIL PAN	4.7000A	616
VENTILATING SYSTEM	4.8000A	538
FRESH WATER PUMP THRU 16VA-202	5.1000	79
FRESH WATER PUMP EFF. WITH 16VA-203 AND THRU 16VA-286	5.1000	87
FRESH WATER PUMP EFF. WITH 16VA-287 AND THRU 16VA-3204	5.1000	91
FRESH WATER PUMP EFF. WITH 16VA-3205	5.1000	130
WATER OUTLET MANIFOLD THRU 16VA-10896	5.2000A	90
WATER OUTLET MANIFOLD EFF. WITH 16VA-10897	5.2000A	166
THERMOSTAT THRU 16VA-301	5.2000B	102
THERMOSTAT EFF. WITH 16VA-302 AND THRU 16VA-1246	5.2000B	125
THERMOSTAT EFF. WITH 16VA-1247	5.2000B	137
THERMOSTAT STANDARD EQUIP PRIOR TO 16VA-17928	5.2000B	•
WATER BY-PASS TUBE	5.2000C	223
FAN	5.4000A	1334
EXHAUST MANIFOLD	6.1000A	109
BATTERY CHARGING GENERATOR 24V., 30 AMP.	7.1000A	1118
STARTING MOTOR 24V.	7.3000A	186
ENGINE MOUNTS THRU 16VA-5078	11.1000A	486
ENGINE MOUNTS EFF. WITH 16VA-5079	11.1000A	597

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	47
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 16VA-17758	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 16VA-17759	1.1000A	150
CYLINDER HEAD STD. EQUIP. PRIOR TO 16VA-18011	1.2000	37
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	55
CRANKSHAFT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000	49
CRANKSHAFT	1.3000	•
CRANKSHAFT FRONT COVER	1.3000A	72
VIBRATION DAMPER	1.3000B	122
CRANKSHAFT PULLEY	1.3000C	296
CRANKSHAFT PULLEY BELT	1.3000D	266
FLYWHEEL	1.4000A	431
FLYWHEEL HOUSING (SAE #0)	1.5000A	299
CONNECTING ROD AND PISTON THRU 16VA-6146	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 16VA-6147 AND THRU 16VA-6422	1.6000	133
CONNECTING ROD AND PISTON EFF. WITH 16VA-6423; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	52
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	25
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER THRU 16VA-14408	1.8000A	44
ROCKER COVER EFF. WITH 16VA-14409 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	384
ROCKER COVER	1.8000A	•
FUEL INJECTOR N60	2.1000A	78
FUEL PUMP THRU 16VA-6781	2.2000	51
FUEL PUMP EFF. WITH 16VA-6782 AND THRU 16VA-16728	2.2000	146
FUEL PUMP EFF. WITH 16VA-16729	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, HYDRAULIC	2.8000A	1174
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	119
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	329
BLOWER THRU 16VA-14226	3.4000	176
BLOWER EFF. WITH 16VA-14227 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	462
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	65
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	338
OIL FILLER THRU 16VA-14408	4.5000A	46
OIL FILLER EFF. WITH 16VA-14409 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	125
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	339
OIL PAN	4.7000A	643
VENTILATING SYSTEM	4.8000A	538
FRESH WATER PUMP STD. EQUIP. PRIOR TO 16VA-18011	5.1000	130
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD THRU 16VA-10896	5.2000A	90
WATER OUTLET MANIFOLD EFF. WITH 16VA-10897	5.2000A	166
THERMOSTAT STD. EQUIP. PRIOR TO 16VA-18011	5.2000B	137
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	223
FAN	5.4000A	1336
EXHAUST MANIFOLD	6.1000A	109
STARTING MOTOR	7.3000A	186
ENGINE MOUNTS	11.1000A	597

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	47
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 16VA-17923	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 16VA-17924	1.1000A	142
AIR BOX DRAINS	1.1000A	54
CYLINDER HEAD	1.2000	37
ENGINE LIFTER BRACKET	1.2000A	55
CRANKSHAFT THRU 16VA-19540	1.3000	49
CRANKSHAFT EFF. WITH 16VA-19541	1.3000	90
CRANKSHAFT FRONT COVER THRU 16VA-2398	1.3000A	72
CRANKSHAFT FRONT COVER EFF. WITH 16VA-2399; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	102
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER THRU 16VA-2398	1.3000B	57
VIBRATION DAMPER EFF. WITH 16VA-2399 AND THRU 16VA-16478	1.3000B	80
VIBRATION DAMPER EFF. WITH 16VA-16479; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	122
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	296
CRANKSHAFT PULLEY BELT	1.3000D	263
FLYWHEEL	1.4000A	496
FLYWHEEL HOUSING THRU 16VA-354	1.5000A	257
FLYWHEEL HOUSING EFF. WITH 16VA-355; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	297
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 16VA-6146	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 16VA-6147 AND THRU 16VA-6422	1.6000	133
CONNECTING ROD AND PISTON EFF. WITH 16VA-6423; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	52
ACCESSORY DRIVE EFF. WITH 16VA-5878	1.7000B	144
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER	1.8000A	384
FUEL INJECTOR N60	2.1000A	78
FUEL PUMP THRU 16VA-6815	2.2000	56
FUEL PUMP EFF. WITH 16VA-6816 AND THRU 16VA-16647	2.2000	153
FUEL PUMP EFF. WITH 16VA-16648	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	1067
INJECTOR CONTROLS	2.9000	246
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 16VA-14226	3.4000	99
BLOWER EFF. WITH 16VA-14227 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	455
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	64
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	338
OIL FILLER	4.5000A	125
DIPSTICK THRU 16VA-5147	4.6000A	287
DIPSTICK EFF. WITH 16VA-5148	4.6000A	691
OIL PAN	4.7000A	642
VENTILATING SYSTEM	4.8000A	350
FRESH WATER PUMP THRU 16VA-3562	5.1000	91
FRESH WATER PUMP EFF. WITH 16VA-3563	5.1000	130
WATER OUTLET MANIFOLD THRU 16VA-10896	5.2000A	90
WATER OUTLET MANIFOLD EFF. WITH 10897	5.2000A	166
THERMOSTAT THRU 16VA-300	5.2000B	102
THERMOSTAT EFF. WITH 16VA-301 AND THRU 16VA-1246	5.2000B	125
THERMOSTAT EFF. WITH 16VA-1247; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	137
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE THRU 16VA-942	5.2000C	193
WATER BY-PASS TUBE EFF. WITH 16VA-943; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	223
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	1331
EXHAUST MANIFOLD	6.1000A	252

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
BATTERY CHARGING GENERATOR	7.1000A	1025.
TACHOMETER DRIVE	7.4000B	472
ENGINE MOUNTS	11.1000A	586
AIR COMPRESSOR	12.4000A	963
HYDRAULIC PUMP	12.5000A	72

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	40
AIR BOX DRAINS	1.1000A	150
CYLINDER HEAD	1.2000	37
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	49
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING (SAE #0)	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	52
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
HYDRAULIC GOVERNOR	2.8000A	•
INJECTOR CONTROLS	2.9000	119
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	169
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	65
OIL DISTRIBUTION SYSTEM	4.1000B	226
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	339
OIL PAN	4.7000A	643
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	130
WATER OUTLET MANIFOLD	5.2000A	166
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	332
EXHAUST MUFFLER	6.2000A	348
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
SHUTOFF OR ALARM SYSTEM	7.4000C	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	40
AIR BOX DRAINS	1.1000A	142
CYLINDER HEAD	1.2000	37
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	49
CRANKSHAFT FRONT COVER	1.3000A	102
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING (SAE #1)	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	137
CAMSHAFT AND GEAR TRAIN	1.7000	52
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	246
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	266
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	64
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	691
OIL PAN	4.7000A	628
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	130
WATER OUTLET MANIFOLD	5.2000A	166
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
ENGINE MOUNTING	11.1000A	•
AIR COMPRESSOR	12.4000A	•

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK (16VA-105) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	1.1000	40
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
AIR BOX DRAINS	1.1000A	54
CYLINDER HEAD	1.2000	37
ENGINE LIFTER BRACKET (16VA-1469) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	1.2000A	55
CRANKSHAFT	1.3000	49
CRANKSHAFT FRONT COVER (THRU SERIAL NO. 16VA-104)	1.3000A	71
CRANKSHAFT FRONT COVER (EFFECTIVE WITH 16VA-105) (16VA-2614) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	1.3000A	72
VIBRATION DAMPER (THRU SERIAL NO. 16VA-104)	1.3000B	49
VIBRATION DAMPER (EFFECTIVE WITH 12VA-105) (16VA-2614) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	1.3000B	57
CRANKSHAFT PULLEY	1.3000C	296
CRANKSHAFT PULLEY BELT	1.3000D	266
FLYWHEEL (SAE #1/2)	1.4000A	438
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	235
CONNECTING ROD AND PISTON	1.6000	36
CAMSHAFT AND GEAR TRAIN	1.7000	52
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVERS	1.8000A	44
FUEL INJECTOR (S60)	2.1000A	42
FUEL PUMP (THRU SERIAL NO. 16VA-004)	2.2000	45
FUEL PUMP (EFFECTIVE WITH 16VA-005)	2.2000	51
FUEL FILTER	2.3000A	534
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1121
GOVERNOR - MECHANICAL (VARIABLE SPEED)	2.7000A	766
INJECTOR CONTROLS	2.9000	137
AIR INLET HOUSING	3.3000A	301
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP (RC ENGINE) (16VA-021) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	4.1000A	64
OIL DISTRIBUTION SYSTEM	4.1000B	224
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	159
OIL COOLER	4.4000A	338
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	260
OIL PAN (20 DEG. INCLINED OPERATION, PLAIN)	4.7000A	219
VENTILATING SYSTEM	4.8000A	538
FRESH WATER PUMP (THRU SERIAL NO. 16VA-056)	5.1000	66
FRESH WATER PUMP (EFFECTIVE WITH 16VA-057 THRU 16VA-104)	5.1000	75
FRESH WATER PUMP (EFFECTIVE WITH 16VA-105 THRU 16VA-221)	5.1000	79
FRESH WATER PUMP (EFFECTIVE WITH 16VA-222 THRU 16VA-285)	5.1000	87
FRESH WATER PUMP (EFFECTIVE WITH 16VA-286 THRU 16VA-3562)	5.1000	91
FRESH WATER PUMP (EFFECTIVE WITH 16VA-3563)	5.1000	130
WATER MANIFOLD	5.2000A	90
THERMOSTAT (THRU SERIAL NO. 16VA-049)	5.2000B	97
THERMOSTAT (EFFECTIVE WITH 16VA-050 THRU SERIAL NO 16VA-301)	5.2000B	102
THERMOSTAT (EFFECTIVE WITH 16VA-302, THRU 16VA-1246)	5.2000B	125
THERMOSTAT (EFFECTIVE WITH 16VA-1247)	5.2000B	137
WATER BY-PASS TUBE (THRU SERIAL NO. 16VA-104)	5.2000C	175
WATER BY-PASS TUBE (EFFECTIVE WITH 16VA-105) (16VA-124) (STANDARD EQUIPTMENT NOT ON OPTION PLATE PRIOR TO SERIAL NUMBER SHOWN.)	5.2000C	223
FAN (40"-8 BLADE RH SUCTION; LH BLOWER)	5.4000A	774
EXHAUST MANIFOLD (VERTICAL CENTER OUTLET)	6.1000A	109
BATTERY CHARGING GENERATOR (24V., 30 AMP)	7.1000A	1118
STARTING MOTOR (24V.)	7.3000A	186
ENGINE MOUNTING	11.1000A	486

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	47
AIR BOX DRAINS (WATER BELOW PORT BLOCK)	1.1000A	104
AIR BOX DRAINS	1.1000A	54
CYLINDER HEAD	1.2000	37
ENGINE LIFTER BRACKET	1.2000A	55
CRANKSHAFT	1.3000	49
CRANKSHAFT FRONT COVER (THRU 16VA-2398)	1.3000A	72
CRANKSHAFT FRONT COVER (EFFECTIVE WITH 16VA-2399)	1.3000A	102
VIBRATION DAMPER (THRU 16VA-2398)	1.3000B	57
VIBRATION DAMPER (EFFECTIVE WITH 16VA-2399)	1.3000B	80
CRANKSHAFT PULLEY	1.3000C	296
CRANKSHAFT PULLEY BELT	1.3000D	204
FLYWHEEL	1.4000A	496
FLYWHEEL HOUSING (THRU SERIAL NO 16VA-355)	1.5000A	257
FLYWHEEL HOUSING (EFFECTIVE WITH 16VA-356)	1.5000A	297
CONNECTING ROD AND PISTON	1.6000	36
CAMSHAFT AND GEAR TRAIN	1.7000	52
ACCESSORY DRIVE	1.7000B	3
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER	1.8000A	44
FUEL INJECTOR (S55)	2.1000A	44
FUEL PUMP	2.2000	56
FUEL FILTER	2.3000A	285
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	727
GOVERNOR - MECHANICAL	2.8000A	765
INJECTOR CONTROLS	2.9000	137
AIR INLET HOUSING (MANUAL SHUTDOWN)	3.3000A	301
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	64
OIL DISTRIBUTION SYSTEM	4.1000B	224
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	159
OIL COOLER	4.4000A	338
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	260
OIL PAN	4.7000A	301
VENTILATING SYSTEM	4.8000A	312
FRESH WATER PUMP (THRU SERIAL NO. 16VA-216)	5.1000	79
FRESH WATER PUMP (EFFECTIVE WITH 16VA-217 THRU 16VA-286)	5.1000	87
FRESH WATER PUMP (EFFECTIVE WITH 16VA-2871, THRU 16VA-3204)	5.1000	91
FRESH WATER PUMP (EFFECTIVE WITH 16VA-3205)	5.1000	130
WATER MANIFOLD	5.2000A	90
THERMOSTAT (THRU SERIAL NO. 16VA-301)	5.2000B	102
THERMOSTAT (EFFECTIVE WITH 16VA-302, THRU 16VA-1246)	5.2000B	125
THERMOSTAT (EFFECTIVE WITH 12VA-1247)	5.2000B	137
WATER BY-PASS TUBE (THRU SERIAL NO. 16VA-942)	5.2000C	193
WATER BY-PASS TUBE (EFFECTIVE WITH 16VA-943)	5.2000C	223
FAN (LESS BLADE)	5.4000A	770
EXHAUST MANIFOLD (VERTICAL CENTER OUTLET)	6.1000A	109
BATTERY CHARGING GENERATOR (MOUNTING PARTS ONLY)	7.1000A	1025
TACHOMETER DRIVE	7.4000B	212
ENGINE MOUNTING (TRUNNION)	11.1000A	555
AIR COMPRESSOR	12.4000A	421

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	61
AIR BOX DRAIN (WATER BELOW PORT BLOCK) THRU 16VA-17923	1.1000A	104
AIR BOX DRAIN (WATER BELOW PORT BLOCK) EFF. WITH 16VA-17924	1.1000A	142
AIR BOX DRAINS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	67
AIR BOX DRAIN	1.1000A	•
CYLINDER HEAD	1.2000	56
ENGINE LIFTER BRACKET	1.2000A	99
CRANKSHAFT THRU 16VA-19540	1.3000	49
CRANKSHAFT EFF. WITH 16VA-19541	1.3000	90
CRANKSHAFT FRONT COVER STD. EQUIP PRIOR TO 16VA-2614	1.3000A	72
VIBRATION DAMPER STD. EQUIP. PRIOR 16VA-2614	1.3000B	57
VIBRATION DAMPER	1.3000B	122
CRANKSHAFT PULLEY	1.3000C	296
CRANKSHAFT PULLEY BELT	1.3000D	266
FLYWHEEL THRU 16VA-6533	1.4000A	438
FLYWHEEL EFF. WITH 16VA-6534	1.4000A	794
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	235
CONNECTING ROD AND PISTON THRU 16VA-5770	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 16VA-5771 AND THRU 16VA-6183	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 16VA-6184 AND THRU 16VA-12891	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 16VA-12892; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CAMSHAFT AND GEAR TRAIN	1.7000	52
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER THRU 16VA-366	1.8000A	44
ROCKER COVER EFF. WITH 16VA-367 AND THRU 16VA-10153	1.8000A	99
ROCKER COVER EFF. WITH 16VA-10154; STD. EQUIP. PRIOR TO 16VA-18029	1.8000A	388
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 16VA-6781	2.2000	51
FUEL PUMP EFF. WITH 16VA-6782 AND THRU 16VA-16706	2.2000	146
FUEL PUMP EFF. WITH 16VA-16707	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR - MECHANICAL	2.7000A	766
INJECTOR CONTROLS	2.9000	247
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 16VA-6217	3.4000	84
BLOWER EFF. WITH 16VA-6218 AND THRU 16VA-7506	3.4000	186
BLOWER EFF. WITH 16VA-7507 AND THRU 16VA-19079	3.4000	579
BLOWER EFF. WITH 16VA-19080	3.4000	408
BLOWER DRIVE SHAFT	3.4000A	19
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	64
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	338
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	129
OIL FILLER STD. EQUIP PRIOR TO 16VA-18029	4.5000A	•
DIPSTICK THRU 16VA-5147	4.6000A	260
DIPSTICK EFF. WITH 16VA-5148	4.6000A	691
OIL PAN	4.7000A	616
VENTILATING SYSTEM (ON CYL. BLOCK)	4.8000A	692
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	727
VENTILATING SYSTEM STD. EQUIP PRIOR TO 16VA-18029	4.8000A	•
FRESH WATER PUMP THRU 16VA-3562	5.1000	91
FRESH WATER PUMP EFF. WITH 16VA-3563	5.1000	130
WATER OUTLET MANIFOLD THRU 16VA-10896	5.2000A	90
WATER OUTLET MANIFOLD EFF. WITH 16VA-10897	5.2000A	166
THERMOSTAT THRU 16VA-1246	5.2000B	125
THERMOSTAT EFF. WITH 16VA-1247	5.2000B	137
THERMOSTAT STD. EQUIP PRIOR TO 16VA-1802	5.2000B	•
WATER BY-PASS TUBE	5.2000C	223
FAN	5.4000A	1334
EXHAUST MANIFOLD	6.1000A	332

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
EXHAUST MUFFLER CONNECTION	6.2000A	348
BATTERY CHARGING GENERATOR 24V., 30 AMP.	7.1000A	1118
STARTING MOTOR 24V.	7.3000A	186
ENGINE MOUNTING THRU 16VA-5078	11.1000A	585
ENGINE MOUNTING EFF. WITH 16VA-5079	11.1000A	597
AIR COMPRESSOR	12.4000A	969

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 16VA-8248	1.1000	61
CYLINDER BLOCK EFF. WITH 16VA-8249	1.1000	127
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	56
ENGINE LIFTER BRACKET	1.2000A	99
CRANKSHAFT	1.3000	58
CRANKSHAFT FRONT COVER	1.3000A	72
VIBRATION DAMPER	1.3000B	80
CRANKSHAFT PULLEY	1.3000C	296
CRANKSHAFT PULLEY BELT	1.3000D	266
FLYWHEEL	1.4000A	496
FLYWHEEL HOUSING (SAE #1)	1.5000A	297
CONNECTING ROD AND PISTON THRU 16VA-7584	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 16VA-7585	1.6000	161
CAMSHAFT AND GEAR TRAIN	1.7000	52
VALVE OPERATING MECHANISM THRU 16VA-7584	1.8000	41
VALVE OPERATING MECHANISM EFF. WITH 16VA-7585	1.8000	97
ROCKER COVER	1.8000A	388
FUEL INJECTOR N90	2.1000A	100
FUEL PUMP	2.2000	146
FUEL FILTER	2.3000A	585
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1435
GOVERNOR, MECHANICAL	2.7000A	766
INJECTOR CONTROLS	2.9000	247
AIR INLET HOUSING	3.3000A	510
BLOWER	3.4000	181
BLOWER DRIVE SHAFT	3.4000A	45
TURBOCHARGER	3.5000A	297
OIL PUMP	4.1000A	64
OIL DISTRIBUTION SYSTEM	4.1000B	224
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	271
OIL COOLER	4.4000A	664
OIL FILLER	4.5000A	129
DIPSTICK	4.6000A	691
OIL PAN	4.7000A	494
VENTILATING SYSTEM	4.8000A	727
FRESH WATER PUMP	5.1000	130
WATER OUTLET MANIFOLD THRU 16VA-10896	5.2000A	90
WATER OUTLET MANIFOLD EFF. WITH 16VA-10897	5.2000A	166
THERMOSTAT	5.2000B	137
WATER BY-PASS TUBE	5.2000C	223
FAN	5.4000A	745
EXHAUST MANIFOLD	6.1000A	348
BATTERY CHARGING GENERATOR 24V., 30 AMP.	7.1000A	1665
STARTING MOTOR 24V.	7.3000A	186
ENGINE MOUNTS	11.1000A	597
AIR COMPRESSOR	12.4000A	969

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DETROIT DIESEL V-71 MPC ENGINES

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	127
AIR BOX DRAINS	1.1000A	104
CYLINDER HEAD	1.2000	56
ENGINE LIFTER BRACKET	1.2000A	99
CRANKSHAFT	1.3000	49
CRANKSHAFT FRONT COVER	1.3000A	72
VIBRATION DAMPER	1.3000B	122
CRANKSHAFT PULLEY	1.3000C	296
FLYWHEEL	1.4000A	794
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	235
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	52
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	388
FUEL INJECTOR N65	2.1000A	97
FUEL PUMP THRU 16VA-16706	2.2000	146
FUEL PUMP EFF. WITH 16VA-16707	2.2000	177
FUEL FILTER	2.3000A	585
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1430
GOVERNOR, MECHANICAL	2.7000A	766
INJECTOR CONTROLS	2.9000	247
AIR INLET HOUSING	3.3000A	520
BLOWER	3.4000	209
BLOWER DRIVE SHAFT	3.4000A	45
TURBOCHARGER	3.5000A	456
OIL PUMP	4.1000A	64
OIL DISTRIBUTION SYSTEM	4.1000B	224
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	159
OIL COOLER	4.4000A	338
OIL FILLER	4.5000A	129
DIPSTICK	4.6000A	691
OIL PAN	4.7000A	616
VENTILATING SYSTEM	4.8000A	692
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	727
FRESH WATER PUMP	5.1000	130
WATER OUTLET MANIFOLD	5.2000A	166
THERMOSTAT	5.2000B	137
WATER BY-PASS TUBE	5.2000C	223
FAN	5.4000A	1334
EXHAUST MANIFOLD	6.1000A	332
EXHAUST MUFFLER	6.2000A	348
BATTERY CHARGING GENERATOR	7.1000A	1760
STARTING MOTOR	7.3000A	186
ENGINE MOUNTING	11.1000A	597

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	58
AIR BOX DRAINS	1.1000A	67
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 16VA-17758	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 16VA-17759	1.1000A	150
CYLINDER HEAD	1.2000	56
CYLINDER HEAD STANDARD EQUIP. PRIOR TO 16VA-18011	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	55
CRANKSHAFT THRU 16VA-19540	1.3000	49
CRANKSHAFT EFF. WITH 16VA-19541	1.3000	90
CRANKSHAFT FRONT COVER	1.3000A	72
VIBRATION DAMPER THRU 16VA-2398	1.3000B	57
VIBRATION DAMPER EFF. WITH 16VA-2399 AND THRU 16VA-016478	1.3000B	80
VIBRATION DAMPER EFF. WITH 16VA-16479	1.3000B	122
CRANKSHAFT PULLEY	1.3000C	296
CRANKSHAFT PULLEY BELT	1.3000D	262
FLYWHEEL STD. EQUIP. PRIOR TO 16VA-5106	1.4000A	431
FLYWHEEL HOUSING (SAE #0)	1.5000A	299
CONNECTING ROD AND PISTON THRU 16VA-5770	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 16VA-5771 AND THRU 16VA-6422	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 16VA-6423; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	138
CONNECTING ROD AND PISTON	1.6000	213
CAMSHAFT AND GEAR TRAIN STD EQUIP PRIORTO 16VA-010726	1.7000	52
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER THRU 16VA-10523	1.8000A	99
ROCKER COVER EFF. WITH 16VA-10524 AND THRU 16VA-14408	1.8000A	291
ROCKER COVER EFF. WITH 16VA-14409 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	388
ROCKER COVER	1.8000A	•
FUEL INJECTOR N80	2.1000A	82
FUEL PUMP THRU 16VA-6781	2.2000	51
FUEL PUMP EFF. WITH 16VA-6782 AND THRU 16VA-16745	2.2000	146
FUEL PUMP EFF. WITH 16VA-16746	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, HYDRAULIC	2.8000A	638
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	119
AIR INLET HOUSING	3.3000A	451
BLOWER THRU 16VA-6217	3.4000	84
BLOWER EFF. WITH 16VA-6218 AND THRU 16VA-7506	3.4000	181
BLOWER EFF. WITH 16VA-7507 AND THRU 16VA-19079	3.4000	193
BLOWER EFF. WITH 16VA-19080	3.4000	418
BLOWER DRIVE SHAFT	3.4000A	19
TURBOCHARGER THRU 16VA-5185	3.5000A	109
TURBOCHARGER EFF. WITH 16VA-5186 AND THRU 16VA-6217	3.5000A	156
TURBOCHARGER EFF. WITH 16VA-6218 AND THRU 16VA-7567	3.5000A	164
TURBOCHARGER EFF. WITH 16VA-7568 AND THRU 16VA-8553	3.5000A	194
TURBOCHARGER EFF. WITH 16VA-8554 AND THRU 16VA-12202	3.5000A	197
TURBOCHARGER EFF. WITH 16VA-12203; STD. EQUIP. THRU 16VA-13395	3.5000A	296
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	65
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	381
OIL COOLER	4.4000A	338
OIL FILLER THRU 16VA-14408	4.5000A	46
OIL FILLER EFF. WITH 16VA-14409 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.5000A	129
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	339
OIL PAN THRU 16VA-6153	4.7000A	509
OIL PAN EFF. WITH 16VA-6154 AND STD. EQUIP. PRIOR TO 16VA-7567	4.7000A	643
OIL PAN	4.7000A	•
VENTILATING SYSTEM THRU 16VA-010523	4.8000A	364
VENTILATING SYSTEM EFF. WITH 16VA-010524; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	692
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER) THRU 16VA-14408	4.8000A	358
VENTILATING SYSTEM (ON ROCKER COVER) EFF. WITH 16VA-14409 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.8000A	727

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP THRU 16VA-3432	5.1000	91
FRESH WATER PUMP EFF. WITH 16VA-3433	5.1000	130
FRESH WATER PUMP STD. EQUIP. PRIOR TO 16VA-17760	5.1000	•
WATER OUTLET MANIFOLD THRU 16VA-10896	5.2000A	90
WATER OUTLET MANIFOLD EFF. WITH 16VA-10897	5.2000A	166
THERMOSTAT	5.2000B	137
THERMOSTAT STD. EQUIP. PRIOR TO 16VA-17760	5.2000B	•
FAN	5.4000A	1333
EXHAUST MANIFOLD	6.1000A	332
EXHAUST MUFFLER CONNECTIONS	6.2000A	348
STARTING MOTOR 24V.	7.3000A	186
ENGINE MOUNTS THRU 16VA-5078	11.1000A	486
ENGINE MOUNTS EFF. WITH 16VA-5079	11.1000A	597

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	58
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 16VA-17923	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 16VA-17924; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	142
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	56
ENGINE LIFTER BRACKET THRU 16VA-6173	1.2000A	55
ENGINE LIFTER BRACKET EFF. WITH 16VA-6174; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	99
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 16VA-19540	1.3000	49
CRANKSHAFT EFF. WITH 16VA-19541	1.3000	•
CRANKSHAFT FRONT COVER THRU 16VA-2398	1.3000A	72
CRANKSHAFT FRONT COVER EFF. WITH 16VA-2399; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	102
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER THRU 16VA-2398	1.3000B	57
VIBRATION DAMPER EFF. WITH 16VA-2399 AND THRU 16VA-16478	1.3000B	80
VIBRATION DAMPER EFF. WITH 16VA-16479; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000B	122
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	296
CRANKSHAFT PULLEY BELT	1.3000D	269
FLYWHEEL	1.4000A	546
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 16VA-3767	1.5000A	297
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 16VA-5770	1.6000	51
CONNECTING ROD AND PISTON EFF. WITH 16VA-5771 AND THRU 16VA-6422	1.6000	128
CONNECTING ROD AND PISTON EFF. WITH 16VA-6423 AND THRU 16VA-12891	1.6000	138
CONNECTING ROD AND PISTON EFF. WITH 16VA-12892; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	174
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	52
ACCESSORY DRIVE	1.7000B	148
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	291
FUEL INJECTOR N70	2.1000A	80
FUEL PUMP THRU 16VA-6781	2.2000	51
FUEL PUMP EFF. WITH 16VA-6782 AND THRU 16VA-16745	2.2000	146
FUEL PUMP EFF. WITH 16VA-16746	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	1067
INJECTOR CONTROLS	2.9000	247
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 16VA-7506	3.4000	84
BLOWER EFF. WITH 16VA-7507 AND THRU 16VA-9273	3.4000	186
BLOWER EFF. WITH 16VA-9274 AND THRU 16VA-19079	3.4000	213
BLOWER EFF. WITH 16VA-19080	3.4000	419
BLOWER DRIVE SHAFT THRU 16VA-7506	3.4000A	19
BLOWER DRIVE SHAFT EFF. WITH 16VA-7507	3.4000A	45
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	64
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	381
OIL COOLER	4.4000A	338
OIL FILLER	4.5000A	46
DIPSTICK THRU 16VA-5147	4.6000A	260
DIPSTICK EFF. WITH 16VA-5148	4.6000A	691
OIL PAN	4.7000A	612
VENTILATING SYSTEM	4.8000A	358
VENTILATING SYSTEM	4.8000A	692
FRESH WATER PUMP THRU 16VA-3204	5.1000	91
FRESH WATER PUMP EFF. WITH 16VA-3205	5.1000	130
WATER OUTLET MANIFOLD THRU 16VA-10896	5.2000A	90
WATER OUTLET MANIFOLD EFF. WITH 16VA-10897	5.2000A	166
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	137

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	223
FAN	5.4000A	1330
EXHAUST MANIFOLD THRU 16VA-1000	6.1000A	213
EXHAUST MANIFOLD EFF. WITH 16VA-1001 AND THRU 16VA-2613	6.1000A	266
EXHAUST MANIFOLD EFF. WITH 16VA-2614; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	332
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS THRU 16VA-2613	6.2000A	306
EXHAUST MUFFLER CONNECTIONS EFF. 16VA-2614; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.2000A	348
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	1887
TACHOMETER DRIVE	7.4000B	472
ENGINE MOUNTS	11.1000A	586
AIR COMPRESSOR	12.4000A	537

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	127
AIR BOX DRAINS	1.1000A	150
CYLINDER HEAD	1.2000	56
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	49
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING (SAE #0)	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	213
CAMSHAFT AND GEAR TRAIN	1.7000	52
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
HYDRAULIC GOVERNOR	2.8000A	•
INJECTOR CONTROLS	2.9000	119
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 16VA-19079	3.4000	193
BLOWER EFF. WITH 16VA-19080	3.4000	446
BLOWER DRIVE SHAFT	3.4000A	57
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	65
OIL DISTRIBUTION SYSTEM	4.1000B	226
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	339
OIL PAN	4.7000A	643
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	130
WATER OUTLET MANIFOLD	5.2000A	166
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	332
EXHAUST MUFFLER	6.2000A	348
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
TACHOMETER DRIVE	7.4000B	•
SHUTOFF	7.4000C	•
OVERSPEED GOVERNOR	7.4000C	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	249
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	56
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 16VA-19540	1.3000	49
CRANKSHAFT EFF. WITH 16VA-19541	1.3000	90
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	52
VALVE OPERATING MECHANISM	1.8000	41
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	177
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER	*3.4000*	485
BLOWER DRIVE SHAFT	3.4000A	57
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	*4.1000C*	13
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	130
WATER OUTLET MANIFOLD	5.2000A	178
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	40
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 16VA-17923	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 16VA-17924	1.1000A	142
CYLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	37
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	143
CRANKSHAFT THRU 16VA-19540	1.3000	49
CRANKSHAFT EFF. WITH 16VA-19541	1.3000	90
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER STD. EQUIP. PRIOR TO 16VA-2614	1.3000B	57
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	235
CONNECTING ROD AND PISTON THRU 16VA-6146	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 16VA-6147 AND THRU 16VA-6422	1.6000	133
CONNECTING ROD AND PISTON EFF. WITH 16VA-6423; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	52
CAMSHAFT AND GEAR TRAIN	1.7000	•
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	25
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	267
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK THRU 16VA-5147	4.6000A	260
DIPSTICK EFF. WITH 16VA-5148; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	691
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	135
WATER OUTLET MANIFOLD THRU 16VA-10896	5.2000A	90
WATER OUTLET MANIFOLD EFF. WITH 16VA-10897	5.2000A	166
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
POWER TAKE-OFF	8.1000A	•
ENGINE MOUNTS THRU 16VA-5078	11.1000A	486
ENGINE MOUNTS EFF. WITH 16VA-5079; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	11.1000A	597
ENGINE MOUNTS	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	40
AIR BOX DRAINS (WATER BELOW PORT BLOCK) THRU 16VA-17923	1.1000A	104
AIR BOX DRAINS (WATER BELOW PORT BLOCK) EFF. WITH 16VA-17924	1.1000A	142
CYLINDER HEAD	1.2000	146
ENGINE LIFTER BRACKET	1.2000A	143
CRANKSHAFT	1.3000	49
CRANKSHAFT FRONT COVER	1.3000A	•
VIBRATION DAMPER STD. EQUIP. PRIOR TO 16VA-2614	1.3000B	57
VIBRATION DAMPER	1.3000B	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING (SAE #1/2)	1.5000A	235
CONNECTING ROD AND PISTON THRU 16VA-6146	1.6000	88
CONNECTING ROD AND PISTON EFF. WITH 16VA-6147 AND THRU 16VA-6422	1.6000	133
CONNECTING ROD AND PISTON EFF. WITH 16VA-6423; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	137
CAMSHAFT AND GEAR TRAIN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	52
CAMSHAFT AND GEAR TRAIN	1.7000	•
VALVE OPERATING MECHANISM	1.8000	191
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	•
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	267
BLOWER DRIVE SHAFT	3.4000A	19
OIL PUMP	4.1000A	•
• STANDARD OPTION REFER TO OPTION PLATE.		
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK THRU 16VA-5147	4.6000A	260
DIPSTICK EFF. WITH 16VA-5148; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	691
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	135
WATER OUTLET MANIFOLD THRU 16VA-10896	5.2000A	90
WATER OUTLET MANIFOLD EFF. WITH 16VA-10897	5.2000A	166
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
POWER TAKE-OFF	8.1000A	•
ENGINE MOUNTS THRU 16VA-5078	11.1000A	486
ENGINE MOUNTS EFF. WITH 16VA-5079; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	11.1000A	597
ENGINE MOUNTS	11.1000A	•
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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS WATER BELOW PORT	1.1000A	104
AIR BOX DRAINS	1.1000A	54
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET	1.2000A	34
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	51
VIBRATION DAMPER THRU 24A-015	1.3000B	30
VIBRATION DAMPER EFF. WITH 24A-016	1.3000B	65
CRANKSHAFT PULLEY	1.3000C	262
FLYWHEEL PART OF HYDRAULIC MARINE GEAR	1.4000A	—
FLYWHEEL HOUSING (SAE #1)	1.5000A	250
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN LC ENG	1.7000	44
CAMSHAFT AND GEAR TRAIN RC ENG.	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	45
FUEL INJECTOR S55	2.1000A	44
FUEL PUMP THRU 24A-009	2.2000	8
FUEL PUMP EFF. WITH 24A-010	2.2000	51
FUEL FILTER	2.3000A	257
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	827
GOVERNOR, MECHANICAL	2.7000A	1129
INJECTOR CONTROLS	2.9000	145
THROTTLE CONTROLS	2.9000A	696
AIR CLEANER	3.1000A	272
AIR INLET HOUSING	3.3000A	152
BLOWER	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	23
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM RR ENG.	4.1000B	228
OIL DISTRIBUTION SYSTEM FWD ENG.	4.1000B	214
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	121
OIL COOLER ENGINE AND MARINE GEAR CORE	4.4000A	596
OIL COOLER MARINE GEAR LINES ONLY	4.4000A	355
OIL FILLER (ON ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	237
OIL PAN	4.7000A	228
VENTILATING SYSTEM LC ENG	4.8000A	298
VENTILATING SYSTEM RC ENG.	4.8000A	297
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT	5.2000B	76
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS	5.3000B	125
HEAT EXCHANGER	5.5000A	354
RAW WATER PUMP	5.6000A	37
WATER FILTER	5.7000A	15
EXHAUST MANIFOLD	6.1000A	128
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR	7.1000A	1069
STARTING MOTOR LC ENG.	7.3000A	184
STARTING MOTOR RC ENG.	7.3000A	183
INSTRUMENTS	7.4000A	232
TACHOMETER DRIVE LC ENG.	7.4000B	272
TACHOMETER DRIVE RC ENG.	7.4000B	273
TACHOMETER DRIVE CABLE	7.4000B	46
HYDRAULIC MARINE GEAR	9.1000A	825
GEAR BOX ASSEMBLY	9.3000A	179
ENGINE MOUNTING	11.1000A	459
ENGINE BASE	11.1000A	458

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAIN (WATER BELOW PORT BLOCK)	1.1000A	103
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET (WITH AIR CLEANER)	1.2000A	34
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	51
VIBRATION DAMPER	1.3000B	65
CRANKSHAFT PULLEY (NO POWER TAKE-OFF)	1.3000C	262
FLYWHEEL (PART OF HYDRAULIC MARINE GEAR)	1.4000A	
FLYWHEEL HOUSING	1.5000A	250
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN (LC ENGINE)	1.7000	44
CAMSHAFT AND GEAR TRAIN (RC ENGINE)	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	45
FUEL INJECTOR (N55)	2.1000A	77
FUEL PUMP	2.2000	51
FUEL FILTER (THESE TYPES APPEAR IN TWIN SECTION)	2.3000A	257
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES (THESE TYPES APPEAR IN TWIN SECTION)	2.5000A	827
GOVERNOR - MECHANICAL (VARIABLE SPEED)	2.7000A	1129
INJECTOR CONTROLS	2.9000	145
THROTTLE CONTROLS	2.9000A	696
AIR CLEANER	3.1000A	272
AIR INLET HOUSING (WITH AIR CLEANER)	3.3000A	152
BLOWER	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	23
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM (REAR ENGINE)	4.1000B	228
OIL DISTRIBUTION SYSTEM (FORWARD ENGINE)	4.1000B	214
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	121
OIL COOLER LINES	4.4000A	355
OIL COOLER (ENGINE AND MARINE GEAR)	4.4000A	596
OIL FILLER CAP (IN ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	237
OIL PAN	4.7000A	228
VENTILATING SYSTEM (LC ENGINE)	4.8000A	298
VENTILATING SYSTEM (RC ENGINE)	4.8000A	297
FRESH WATER PUMP	5.1000	84
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT (HEAT EXCHANGER COOLING)	5.2000B	76
WATER BY-PASS TUBE	**5.2000C**	140
WATER CONNECTIONS	5.3000B	125
HEAT EXCHANGER COOLING	5.5000A	354
RAW WATER PUMP	5.6000A	37
WATER FILTER (HEAT EXCHANGER COOLING)	5.7000A	15
EXHAUST MANIFOLD	6.1000A	128
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR	7.1000A	1069
STARTING MOTOR (LC ENGINE)	7.3000A	184
STARTING MOTOR (RC ENGINE)	7.3000A	183
INSTRUMENT PANEL (THESE TYPES APPEAR IN TWIN SECTION)	7.4000A	232
TACHOMETER DRIVE ADAPTOR (THESE TYPES APPEAR IN TWIN SECTION)	7.4000B	273
TACHOMETER DRIVE CABLE (THESE TYPES APPEAR IN TWIN SECTION)	7.4000B	46
HYDRAULIC MARINE GEAR (THESE TYPES APPEAR IN TWIN SECTION)	9.1000A	825
GEAR BOX ASSEMBLY (6:1 REDUCTION)	9.3000A	179
ENGINE BASE (THESE TYPES APPEAR IN TWIN SECTION)	11.1000A	458
ENGINE MOUNTING (THESE TYPES APPEAR IN TWIN SECTION)	11.1000A	459

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	36
AIR BOX DRAINS	1.1000A	38
AIR BOX DRAIN (WATER BELOW PORT BLOCK)	1.1000A	103
CYLINDER HEAD	1.2000	29
ENGINE LIFTER BRACKET (WITH AIR CLEANER)	1.2000A	34
CRANKSHAFT	1.3000	25
CRANKSHAFT FRONT COVER	1.3000A	51
VIBRATION DAMPER THRU 24VA-015	1.3000B	30
VIBRATION DAMPER EFF. WITH 24VA-016	1.3000B	65
CRANKSHAFT PULLEY (NO POWER TAKE-OFF)	1.3000C	262
FLYWHEEL (PART OF HYDRAULIC MARINE GEAR)	1.4000A	
FLYWHEEL HOUSING	1.5000A	250
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN (LC ENGINE)	1.7000	44
CAMSHAFT AND GEAR TRAIN (RC ENGINE)	1.7000	41
BALANCE WEIGHT COVER	1.7000A	19
VALVE OPERATING MECHANISM	1.8000	26
ROCKER COVER	1.8000A	45
FUEL INJECTOR (S55)	2.1000A	44
FUEL PUMP (THRU 24VA-009)	2.2000	8
FUEL PUMP (EFFECTIVE WITH 24VA-010)	2.2000	51
FUEL FILTER(THESE TYPES APPEAR IN TWIN SECTION.)	2.3000A	257
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES(THESE TYPES APPEAR IN TWIN SECTION.)	2.5000A	827
GOVERNOR - MECHANICAL (VARIABLE SPEED)	2.7000A	1129
INJECTOR CONTROLS (VARIABLE SPEED GOVERNOR)	2.9000	145
THROTTLE CONTROLS (VARIABLE SPEED GOVERNOR, AIR CLEANER)	2.9000A	696
AIR CLEANER	3.1000A	272
AIR INLET HOUSING (WITH AIR CLEANER)	3.3000A	152
BLOWER	3.4000	67
BLOWER DRIVE SHAFT	3.4000A	23
OIL PUMP	4.1000A	60
OIL DISTRIBUTION SYSTEM (REAR ENGINE)	4.1000B	228
OIL DISTRIBUTION SYSTEM (FORWARD ENGINE)	4.1000B	214
OIL PRESSURE REGULATOR	4.1000C	11
OIL FILTER	4.2000A	121
OIL COOLER (MARINE GEAR LINES ONLY, 4:1, 5:1, 6:1 RATIO)	4.4000A	355
OIL COOLER (ENGINE AND MARINE GEAR CORE)	4.4000A	596
OIL FILLER CAP (IN ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	237
OIL PAN	4.7000A	228
VENTILATING SYSTEM (LC ENGINE)	4.8000A	298
VENTILATING SYSTEM (RC ENGINE)	4.8000A	297
FRESH WATER PUMP	5.1000	43
WATER OUTLET MANIFOLD	5.2000A	77
THERMOSTAT (HEAT EXCHANGER COOLING)	5.2000B	76
WATER BY-PASS TUBE	5.2000C	140
WATER CONNECTIONS	5.3000B	125
HEAT EXCHANGER COOLING	5.5000A	354
RAW WATER PUMP	5.6000A	37
WATER FILTER (HEAT EXCHANGER COOLING)	5.7000A	15
EXHAUST MANIFOLD	6.1000A	128
EXHAUST MUFFLER FLANGE	6.2000A	25
BATTERY CHARGING GENERATOR	7.1000A	1069
STARTING MOTOR (LC ENGINE)	7.3000A	184
STARTING MOTOR (RC ENGINE)	7.3000A	183
INSTRUMENT PANEL (THESE TYPES APPEAR INTWIN SECTION.)	7.4000A	232
TACHOMETER DRIVE ADAPTOR (SINGLE OUTLET, GEAR BOX DRIVE, PORT UNIT) (THESE TYPES APPEAR IN TWIN SECTION.)	7.4000B	272
TACHOMETER DRIVE ADAPTOR (SINGLE OUTLET, GEAR BOX DRIVE, STARBOARD UNIT) (THESE TYPES APPEAR IN TWIN SECTION.)	7.4000B	273
TACHOMETER DRIVE CABLE (15') (THESE TYPES APPEAR IN TWIN SECTION.)	7.4000B	46
HYDRAULIC MARINE GEAR (THESE TYPES APPEEAR IN TWIN SECTION.)	9.1000A	614
GEAR BOX ASSEMBLY (6:1 REDUCTION)	9.3000A	179
ENGINE BASE (THESE TYPES APPEAR IN TWIN SECTION.)	11.1000A	458
ENGINE MOUNTING (THESE TYPES APPEAR IN TWIN SECTION.)	11.1000A	459

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	40
AIR BOX DRAINS	1.1000A	56
CYLINDER HEAD	1.2000	37
ENGINE LIFTER BRACKET (PART OF THROTTLE CONTROL AND HEAT EXCHANGER GROUP)	1.2000A	NONE
CRANKSHAFT	1.3000	49
CRANKSHAFT FRONT COVER	1.3000A	74
VIBRATION DAMPER (NO POWER TAKE-OFF)	1.3000B	49
CRANKSHAFT PULLEY (NO POWER TAKE-OFF)	1.3000C	211
FLYWHEEL (PART OF HYDRAULIC MARINE GEAR)	1.4000A	
FLYWHEEL HOUSING	1.5000A	278
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN (LC ENGINE)	1.7000	56
CAMSHAFT AND GEAR TRAIN (RC ENGINE)	1.7000	52
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER	1.8000A	44
FUEL INJECTOR (N55)	2.1000A	77
FUEL PUMP	2.2000	51
FUEL FILTER (THESE TYPES APPEAR IN TWINSECTION.)	2.3000A	281
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1016
GOVERNOR-MECHANICAL (VARIABLE SPEED)	2.7000	766
INJECTOR CONTROLS (WITH VARIABLE SPEED GOVERNOR)	2.9000	142
THROTTLE CONTROLS (WITH VARIABLE SPEED GOVERNOR) (THESE TYPES APPEAR IN TWIN SECTION.)	2.9000A	691
AIR CLEANER (THESE TYPES APPEAR IN TWIN SECTION.)	3.1000A	292
AIR INLET HOUSING	3.3000A	367
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	33
OIL PUMP (LC ENGINE)	4.1000A	71
OIL PUMP (RC ENGINE)	4.1000A	65
OIL DISTRIBUTION SYSTEM (REAR ENGINE)	4.1000B	267
OIL DISTRIBUTION SYSTEM (FORWARD ENGINE)	4.1000B	268
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	159
OIL COOLER (ENGINE)	4.4000A	340
OIL COOLER (MARINE GEAR, INCLUDES LINES)	4.4000A	399
OIL FILLER CAP (IN ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	321
OIL PAN	4.7000A	286
VENTILATING SYSTEM	4.8000A	374
WATER PUMP (THRU 32VA-001)	5.1000	88
WATER PUMP (EFFECTIVE WITH 32VA-002)	5.1000	90
WATER OUTLET MANIFOLD	5.2000A	90
THERMOSTAT (HEAT EXCHANGER COOLING)	5.2000B	155
WATER BY-PASS TUBE	5.2000C	175
WATER CONNECTIONS	5.3000B	170
HEAT EXCHANGER COOLING	5.5000A	365
RAW WATER PUMP	5.6000A	37
WATER FILTER (130 GAL. CAPACITY)	5.7000A	16
EXHAUST MANIFOLD	6.1000A	181
EXHAUST MUFFLER FLANGE	6.2000A	220
BATTERY CHARGING GENERATOR (12V., 60A)	7.1000A	1412
STARTING MOTOR (24V., LC ENGINE)	7.3000A	189
STARTING MOTOR (24V., RC ENGINE)	7.3000A	186
INSTRUMENT PANEL (THESE TYPES APPEAR INTWIN SECTION.)	7.4000A	232
TACHOMETER DRIVE ADAPTOR (SINGLE OUTLET, GEAR BOX DRIVE, STARBOARD UNIT) (THESE TYPES APPEAR IN TWIN SECTION.)	7.4000B	273
TACHOMETER DRIVE CABLE (15') (THESE TYPES APPEAR IN TWIN SECTION.)	7.4000B	46

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
HYDRAULIC MARINE GEAR (THESE TYPES APPEAR IN TWIN SECTION.)	9.1000A	644
GEAR BOX ASSEMBLY (5:1 REDUCTION)	9.3000A	178
ENGINE MOUNTING (THESE TYPES APPEAR IN TWIN SECTION.)	11.1000A	493

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STANDARD AND STANDARD OPTION EQUIPMENT

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CYLINDER BLOCK	1.1000	40
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CYLINDER HEAD	1.2000	37
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CRANKSHAFT FRONT COVER	1.3000A	74
VIBRATION DAMPER (NO POWER TAKE-OFF)	1.3000B	49
CRANKSHAFT PULLEY (NO POWER TAKE-OFF)	1.3000C	211
FLYWHEEL (PART OF HYDRAULIC MARINE GEAR)	1.4000A	
FLYWHEEL HOUSING	1.5000A	278
CONNECTING ROD AND PISTON	1.6000	88
CAMSHAFT AND GEAR TRAIN (LC ENGINE)	1.7000	56
CAMSHAFT AND GEAR TRAIN (RC ENGINE)	1.7000	52
VALVE OPERATING MECHANISM	1.8000	25
ROCKER COVER	1.8000A	44
FUEL INJECTOR (N55)	2.1000A	77
FUEL PUMP	2.2000	51
FUEL FILTER (THESE TYPES APPEAR IN TWIN SECTION)	2.3000A	281
FUEL MANIFOLD CONNECTIONS	2.4000	55
FUEL LINES	2.5000A	1016
GOVERNOR-MECHANICAL (VARIABLE SPEED)	2.7000	766
INJECTOR CONTROLS (WITH VARIABLE SPEED GOVERNOR)	2.9000	142
THROTTLE CONTROLS (WITH VARIABLE SPEED GOVERNOR) (THESE TYPES APPEAR IN TWIN SECTION.)	2.9000A	691
AIR CLEANER (THESE TYPES APPEAR IN TWIN SECTION.)	3.1000A	292
AIR INLET HOUSING	3.3000A	367
BLOWER	3.4000	66
BLOWER DRIVE SHAFT	3.4000A	33
OIL PUMP (LC ENGINE)	4.1000A	71
OIL PUMP (RC ENGINE)	4.1000A	65
OIL DISTRIBUTION SYSTEM (REAR ENGINE)	4.1000B	267
OIL DISTRIBUTION SYSTEM (FORWARD ENGINE)	4.1000B	268
OIL PRESSURE REGULATOR	4.1000C	13
OIL FILTER	4.2000A	159
OIL COOLER (ENGINE)	4.4000A	340
OIL COOLER (MARINE GEAR, INCLUDES LINES)	4.4000A	399
OIL FILLER CAP (IN ROCKER COVER)	4.5000A	46
DIPSTICK	4.6000A	321
OIL PAN	4.7000A	286
VENTILATING SYSTEM	4.8000A	374
WATER PUMP (THRU 32VA-001)	5.1000	88
WATER PUMP (EFFECTIVE WITH 32VA-002)	5.1000	90
WATER OUTLET MANIFOLD	5.2000A	90
THERMOSTAT (HEAT EXCHANGER COOLING)	5.2000B	155
WATER BYPASS TUBE	5.2000C	175
WATER CONNECTIONS	5.3000B	170
HEAT EXCHANGER COOLING	5.5000A	365
RAW WATER PUMP	5.6000A	37
WATER FILTER (130 GAL. CAPACITY)	5.7000A	16
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TACHOMETER DRIVE ADAPTOR (SINGLE OUTLET, GEAR BOX DRIVE, STARBOARD UNIT) (THESE TYPES APPEAR IN TWIN SECTION.)	7.4000B	273
TACHOMETER DRIVE CABLE (15') (THESE TYPES APPEAR IN TWIN SECTION.)	7.4000B	46
HYDRAULIC MARINE GEAR (THESE TYPES APPEAR IN TWIN SECTION.)	9.1000A	644
GEAR BOX ASSEMBLY (5:1 REDUCTION)	9.3000A	178
ENGINE MOUNTING (THESE TYPES APPEAR IN TWIN SECTION.)	11.1000A	493

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- **1.1000 Cylinder Block**
- **1.1000A Air Box Drains**
- **1.2000 Cylinder Head**
- **1.2000A Engine Lifter Bracket**
- **1.3000 Crankshaft, Oil Seals and Stabilizers**
- **1.3000A Crankshaft Front Cover**
- **1.3000B *Vibration Damper***
- **1.3000C Crankshaft Pulley**
- **1.3000D Crankshaft Pulley Belt**
- **1.4000A Flywheel**
- **1.5000A Flywheel Housing**
- **1.5000B Flywheel Housing Adaptor**
- **1.6000 Connecting Rod and Piston**
- **1.7000 Camshaft and Gear Train**
- **1.7000A Balance Weight Cover**
- **1.7000B *Accessory Drive***
- **1.8000 Valve Injector Operating Mechanism**
- **1.8000A Rocker Cover**

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A *Fuel Filter and Strainer*
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B *Electric Governor*
- 2.7000A Mechanical Governor
- 2.8000A *Hydraulic Governor*
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A *Air Cleaner and/or Adaptor*
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Blower End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 *LUBRICATING SYSTEM*
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A *Oil Filler*
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B *Thermostat*
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 *ELECTRICAL INSTRUMENTS*
- 7.1000A Battery Charging Generator
- 7.2000A *Battery Cables*
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B *Tachometer Drive (Twin and Quad)*
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A *Hydraulic Governor Solenoid*

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B *Transmission Lines*

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A *Power Transfer Gear (Twin and Quad)*
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A *Vacuum Pump*
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E *Hydraulic Starter Accessories*
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

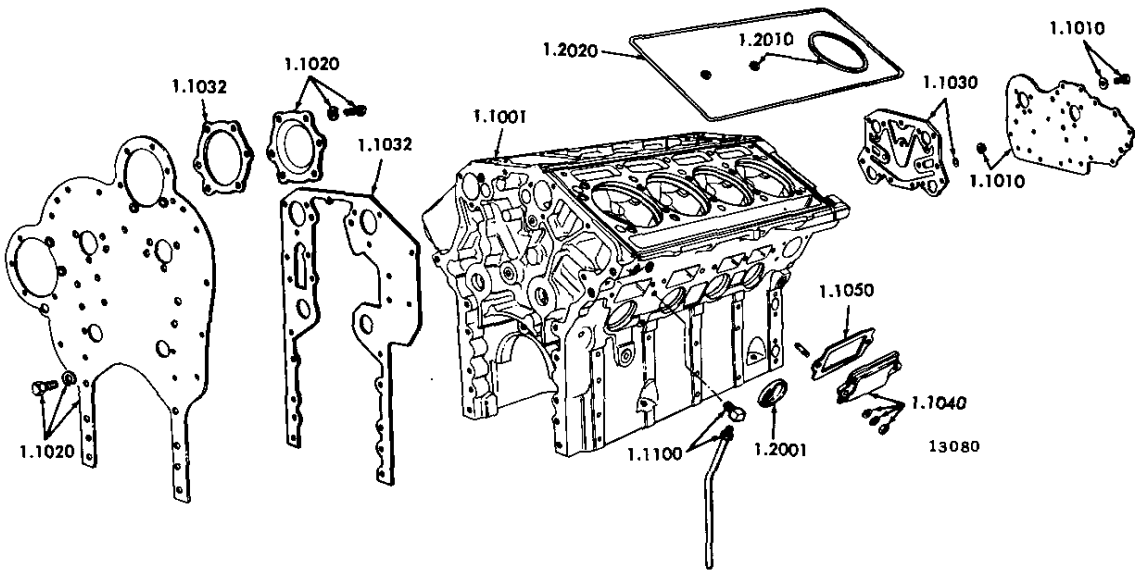
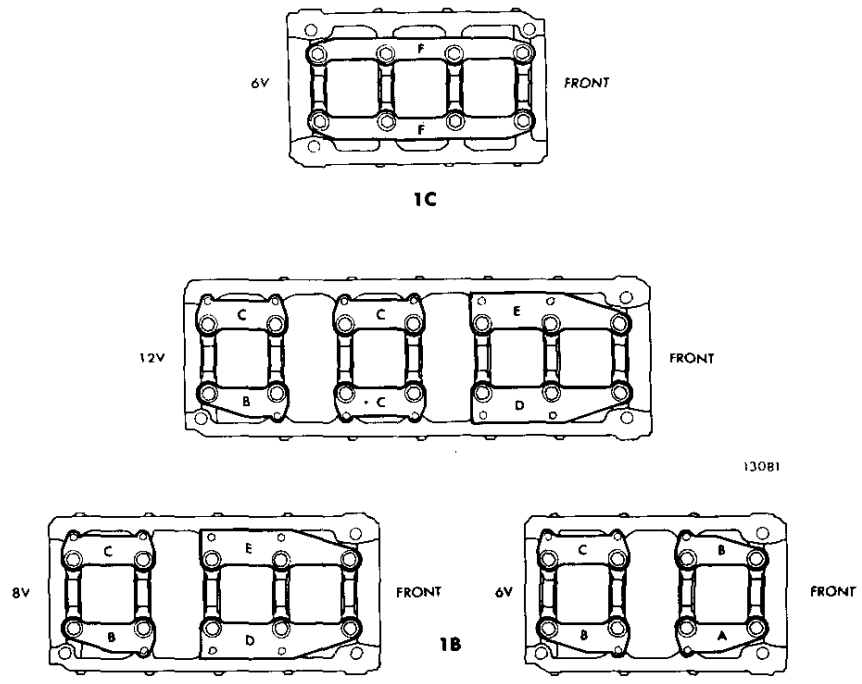


FIG. 1A CYLINDER BLOCK



FIGS. 1B, 1C BEARING CAP STABILIZER

Figs. 1A, 1B & 1C of 1.0000

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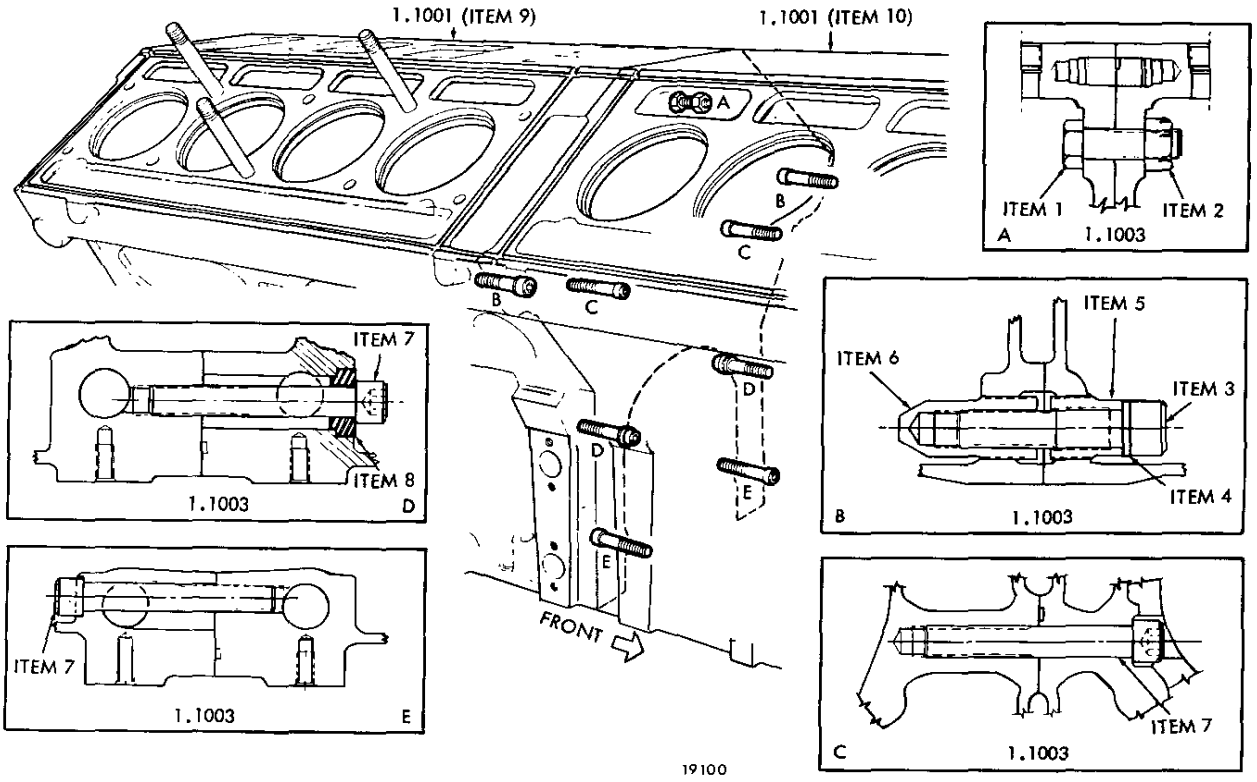

FIG. 1D CYLINDER BLOCK FASTENERS (16V FRONT AND REAR)

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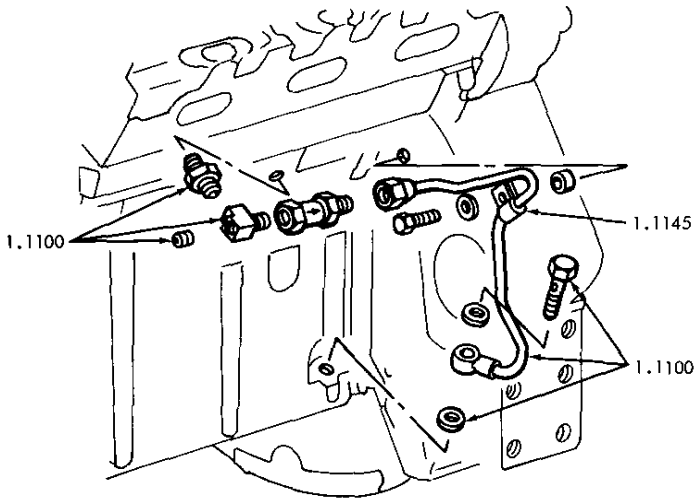

FIG. 1E DRAIN W/CHECK VALVE
LEFT BANK REAR

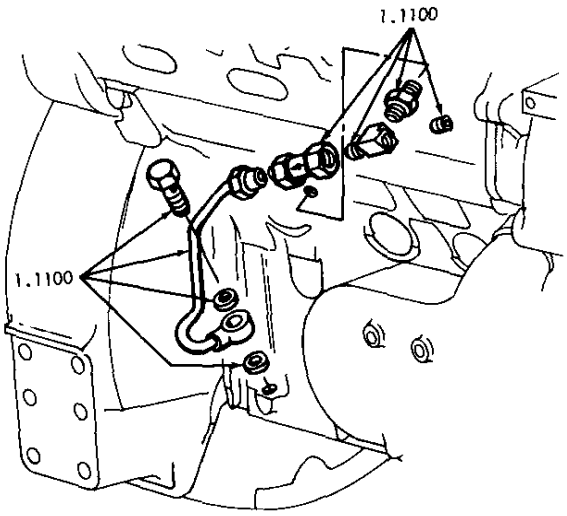

FIG. 1F DRAIN W/CHECK VALVE
RIGHT BANK REAR

16667

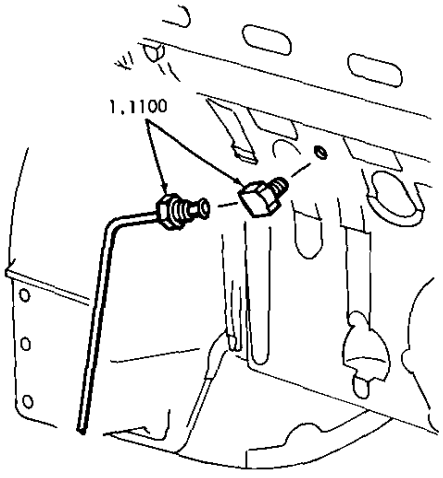

FIG. 1G AIR BOX DRAIN

FIGS. 1E, 1F & 1G OF 1.0000

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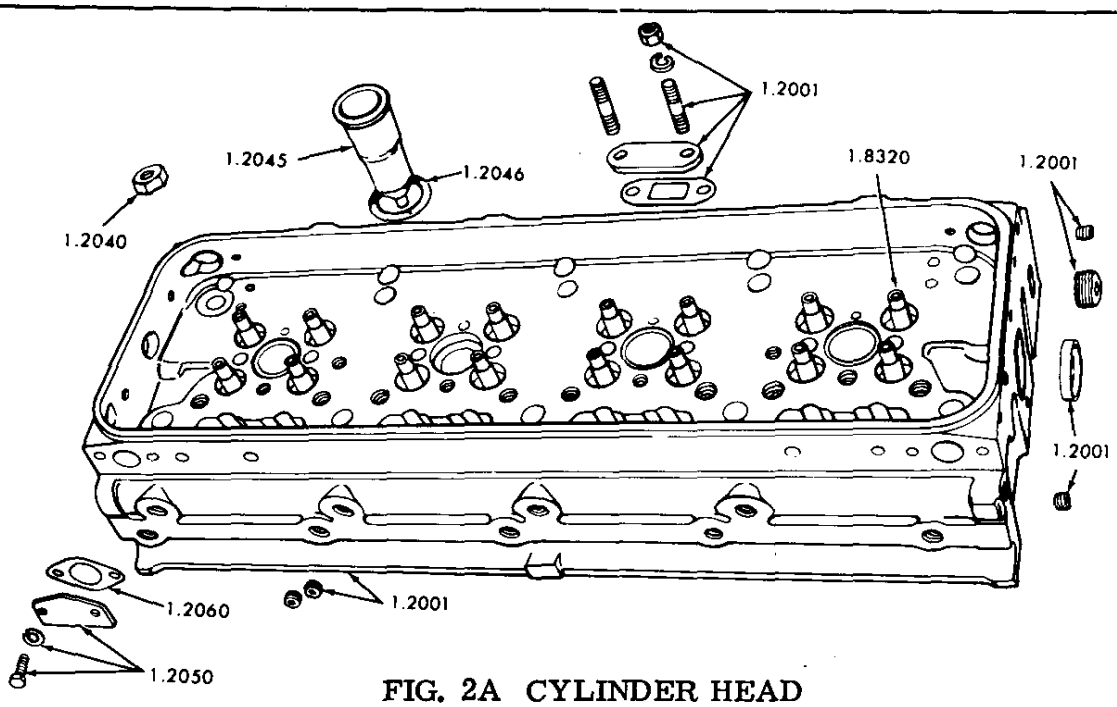

FIG. 2A CYLINDER HEAD

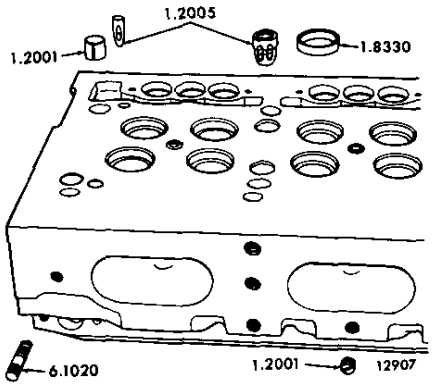

FIG. 2B

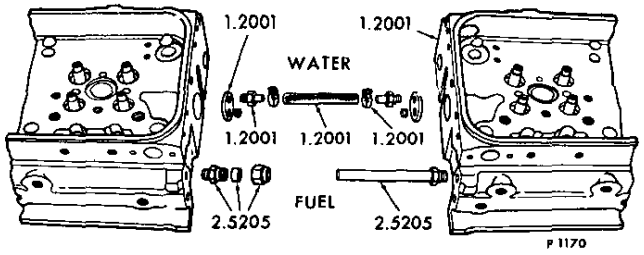

FIG. 2C INTERCONNECTION OF CYLINDER HEADS ON 16V-71

Figs. 2A, 2B & 2C of 1.0000

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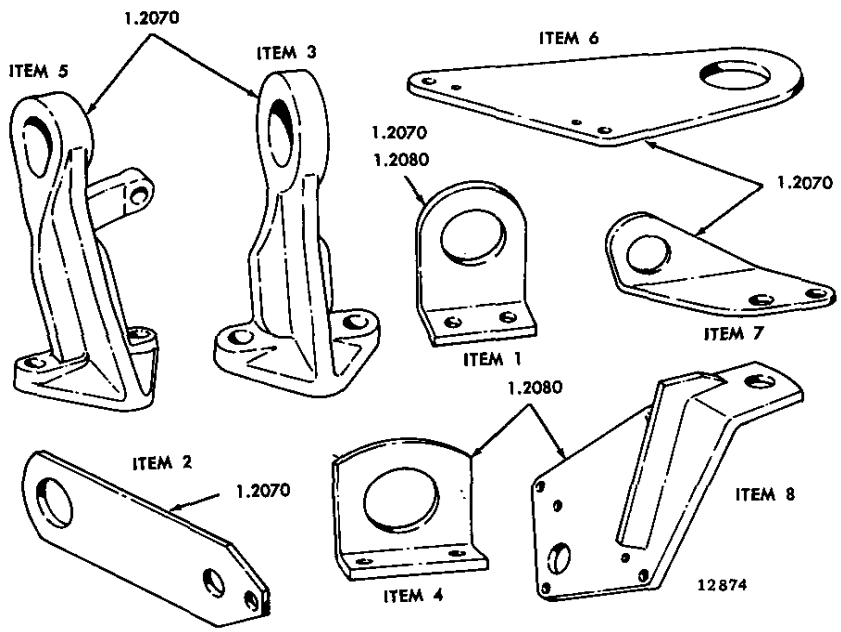

FIG. 2E ENGINE LIFTER BRACKET

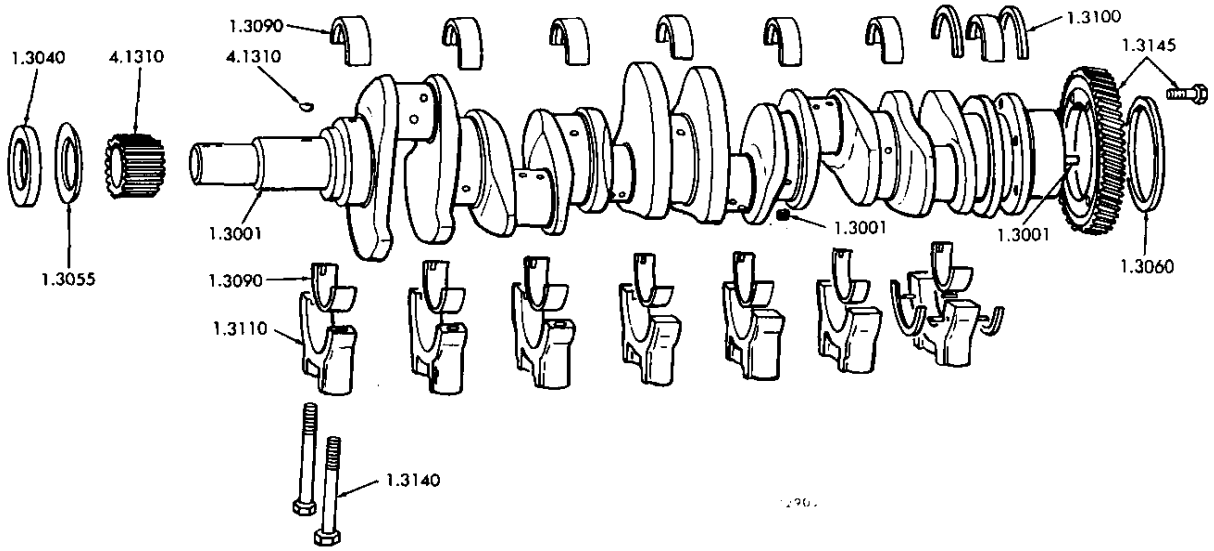

FIG. 3A CRANKSHAFT

Figs. 2E & 3A of 1.0000

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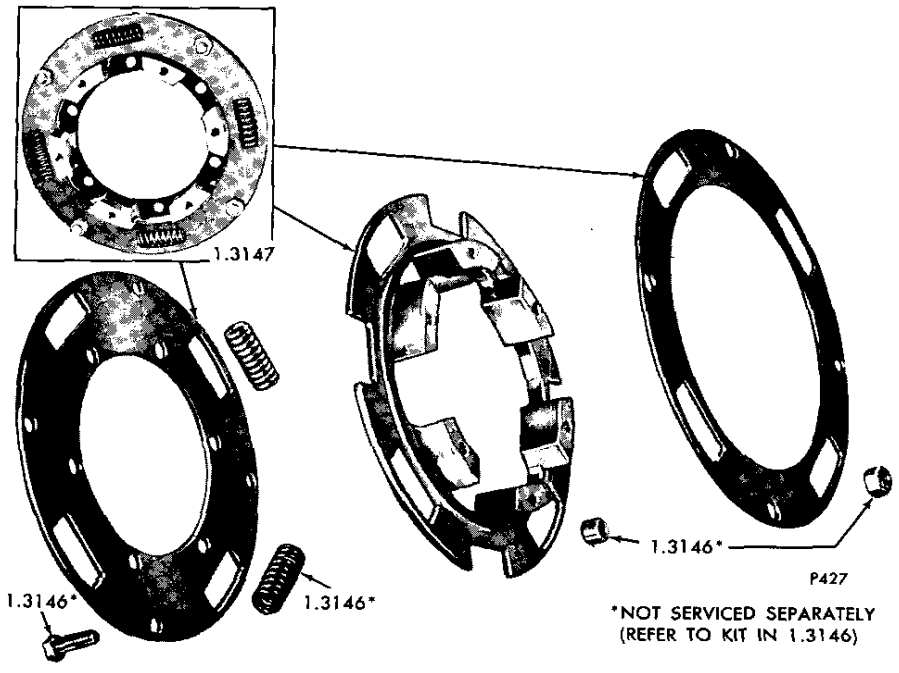

FIG. 3B VIBRATION DAMPER, FRONT CRANKSHAFT GEAR (16V-71)

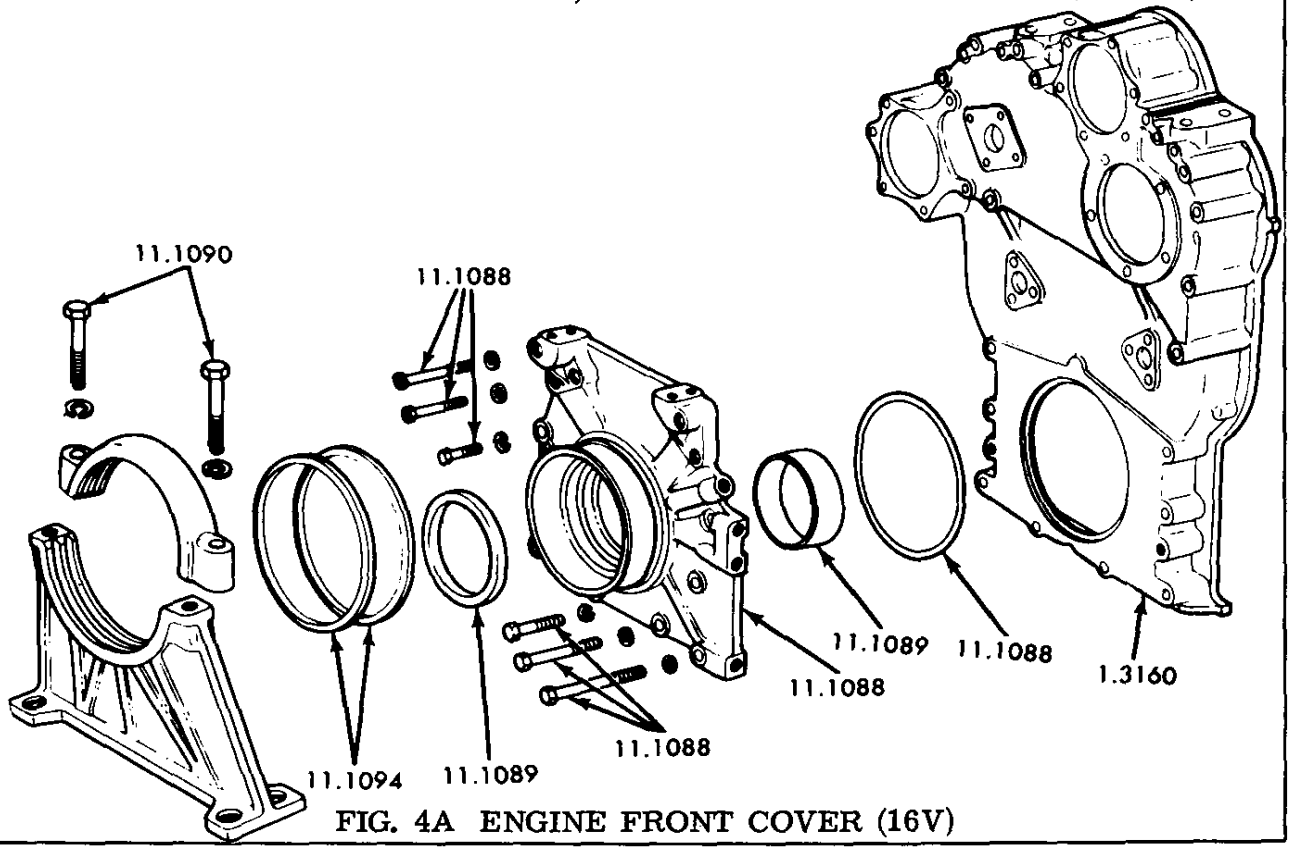

FIG. 4A ENGINE FRONT COVER (16V)

Figs. 3B & 4A of 1.0000

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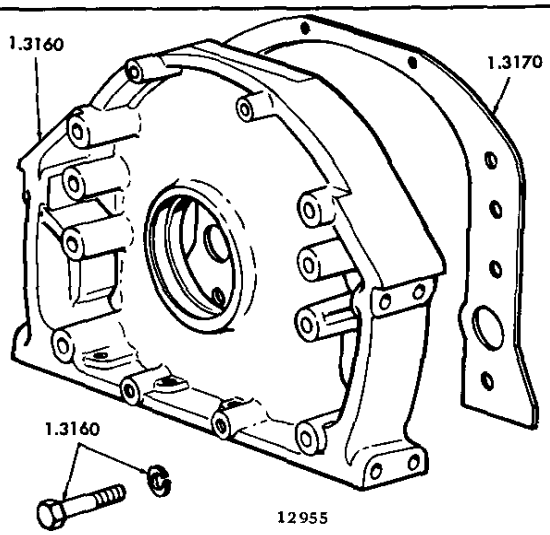
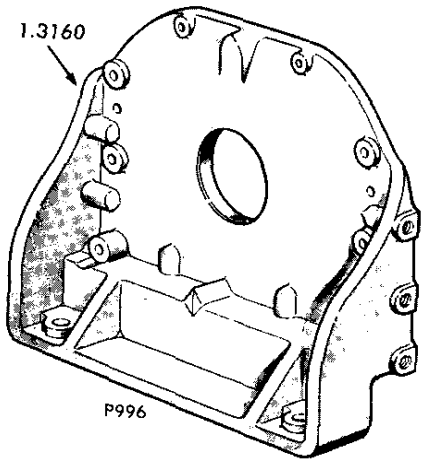


ITEM 1



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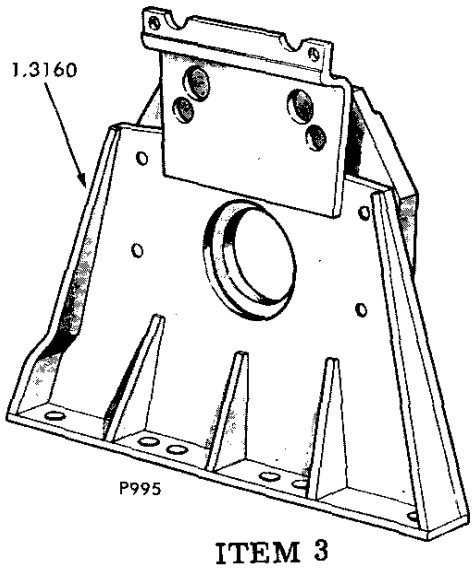

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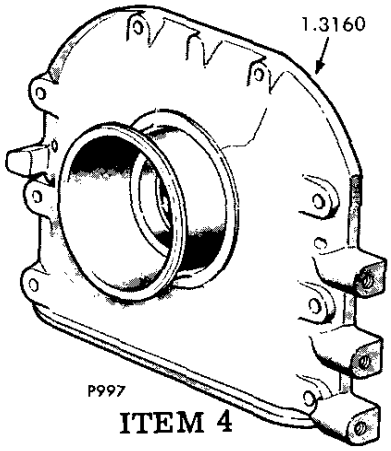
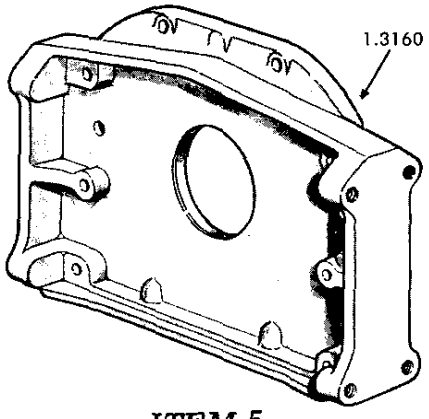


ITEM 4



ITEM 5

FIG. 4B ENGINE FRONT COVERS

Fig. 4B of 1.0000

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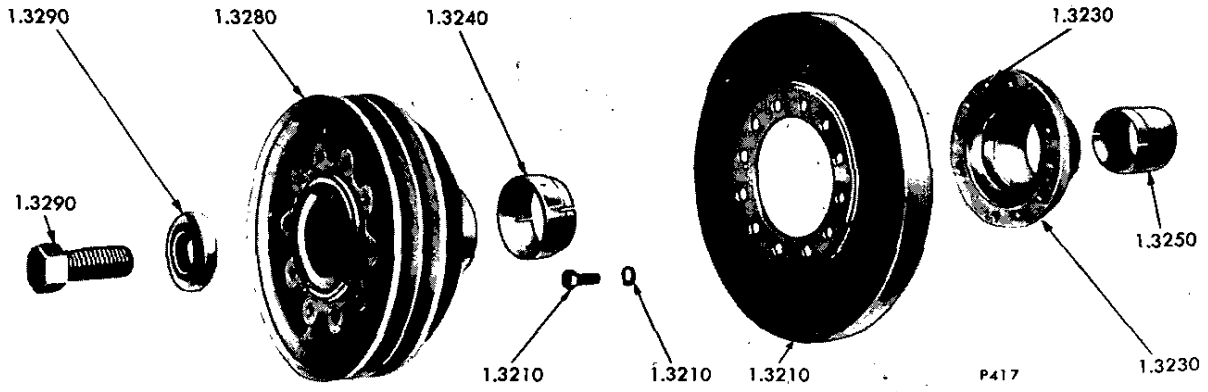

FIG. 5A CRANKSHAFT PULLEY, VIBRATION DAMPER AND HUB

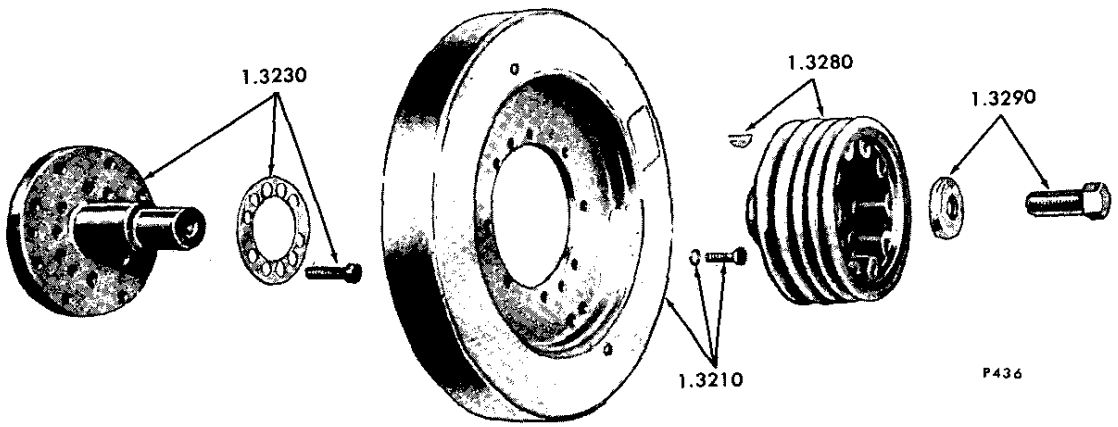

FIG. 5B CRANKSHAFT PULLEY AND VIBRATION DAMPER

Figs. 5A & 5B of 1.0000

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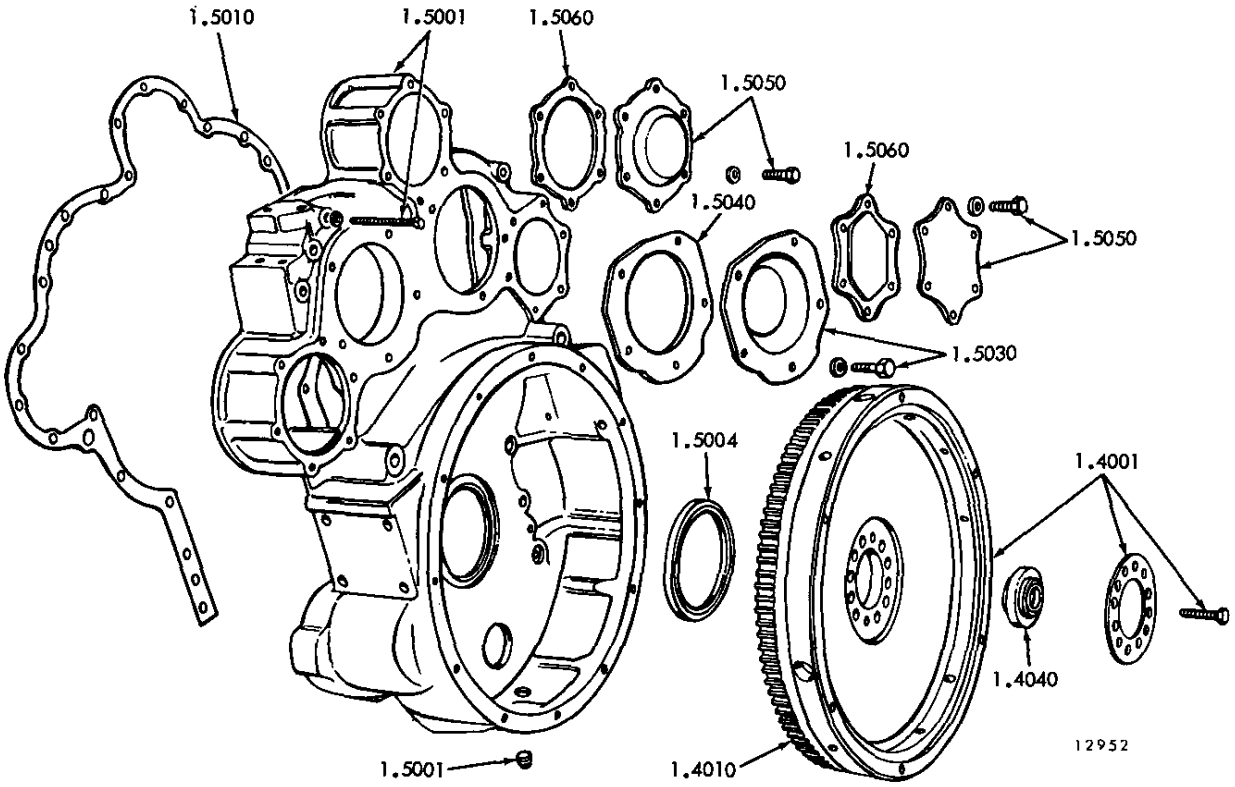

FIG. 6A FLYWHEEL AND FLYWHEEL HOUSING

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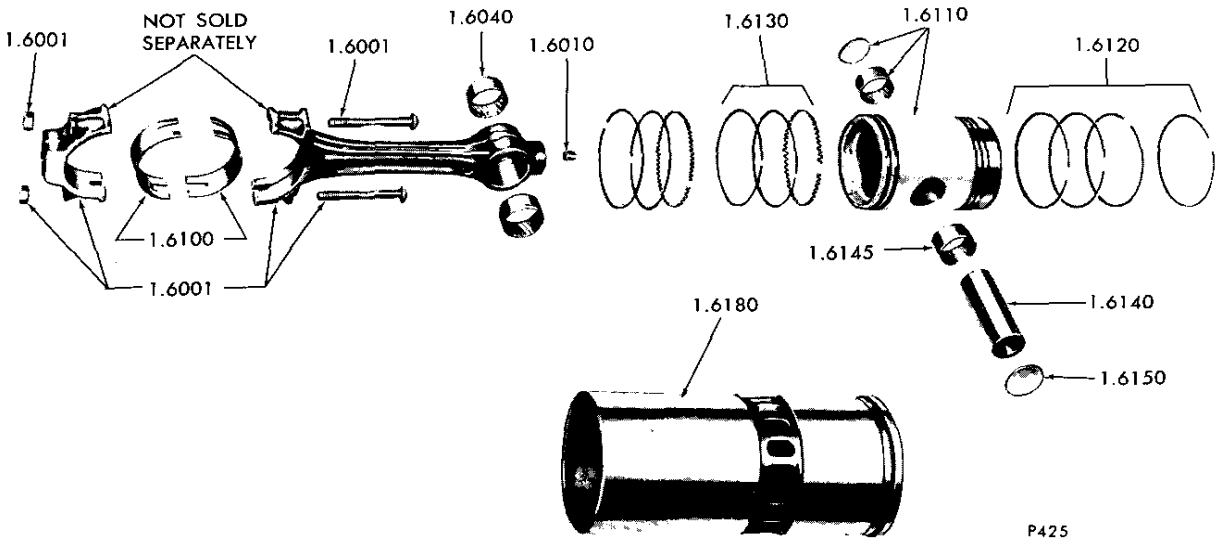

FIG. 7A CONNECTING ROD AND PISTON

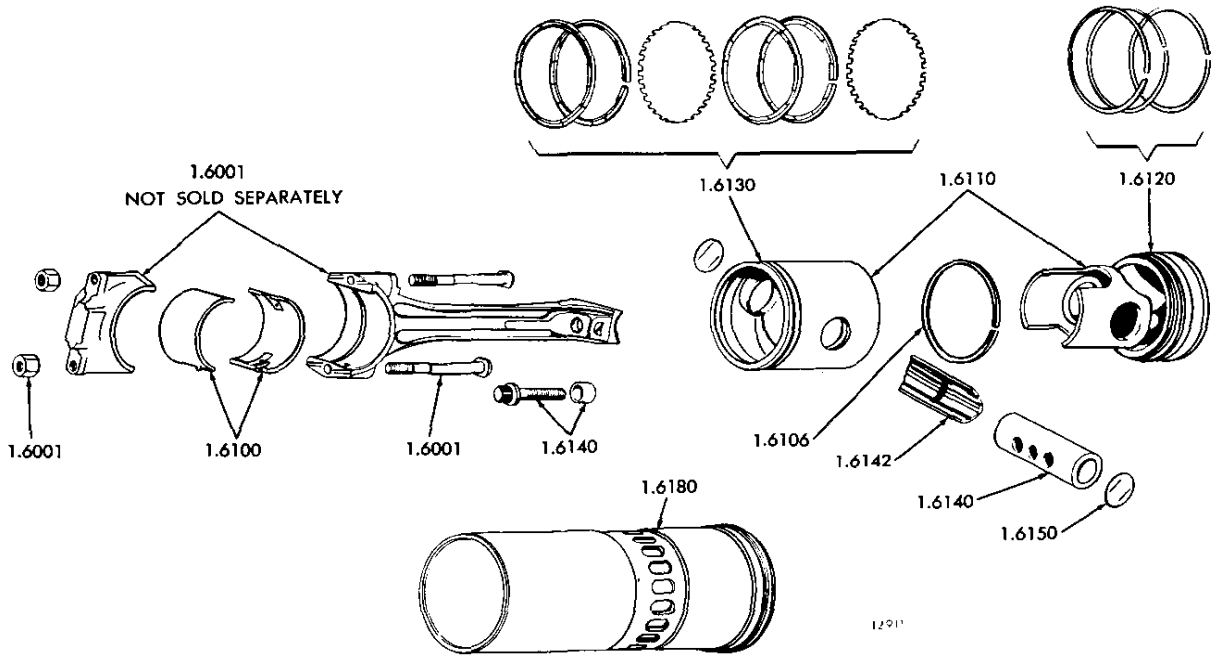

FIG. 7B CONNECTING ROD AND PISTON (CROSSHEAD)

Figs. 7A & 7B of 1.0000

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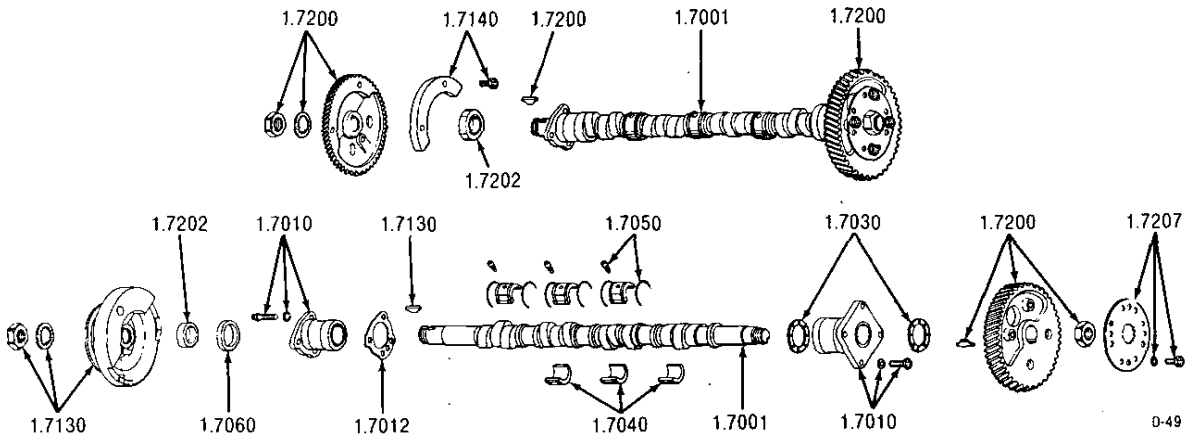

FIG. 7C CAMSHAFT GEAR, WEIGHT & PULLEY

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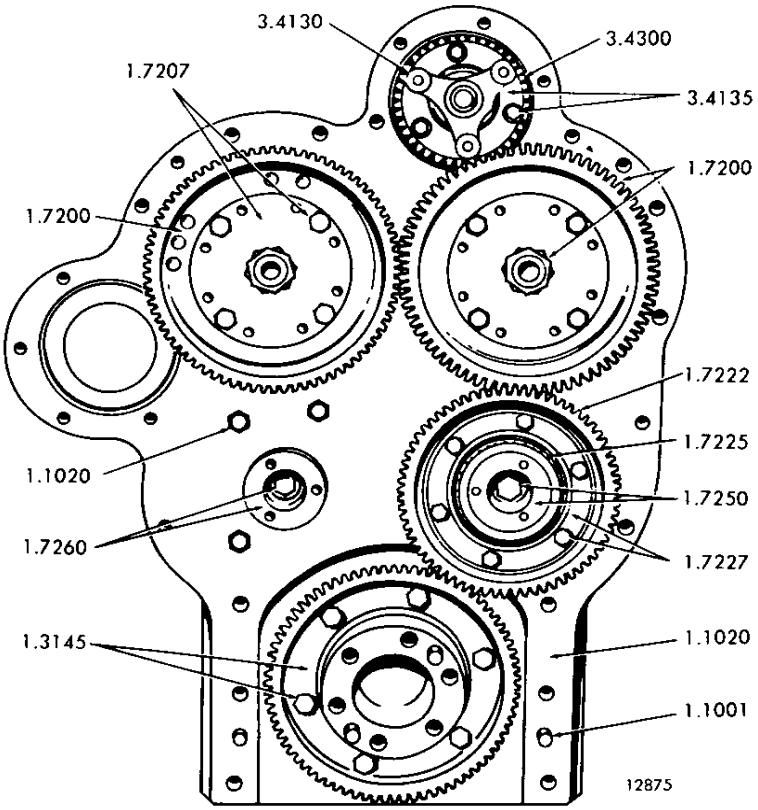

FIG. 8A GEAR TRAIN

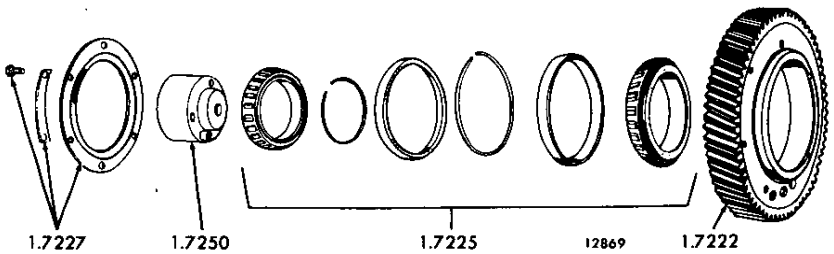

FIG. 8B IDLER GEAR

Figs. 8A & 8B of 1.0000

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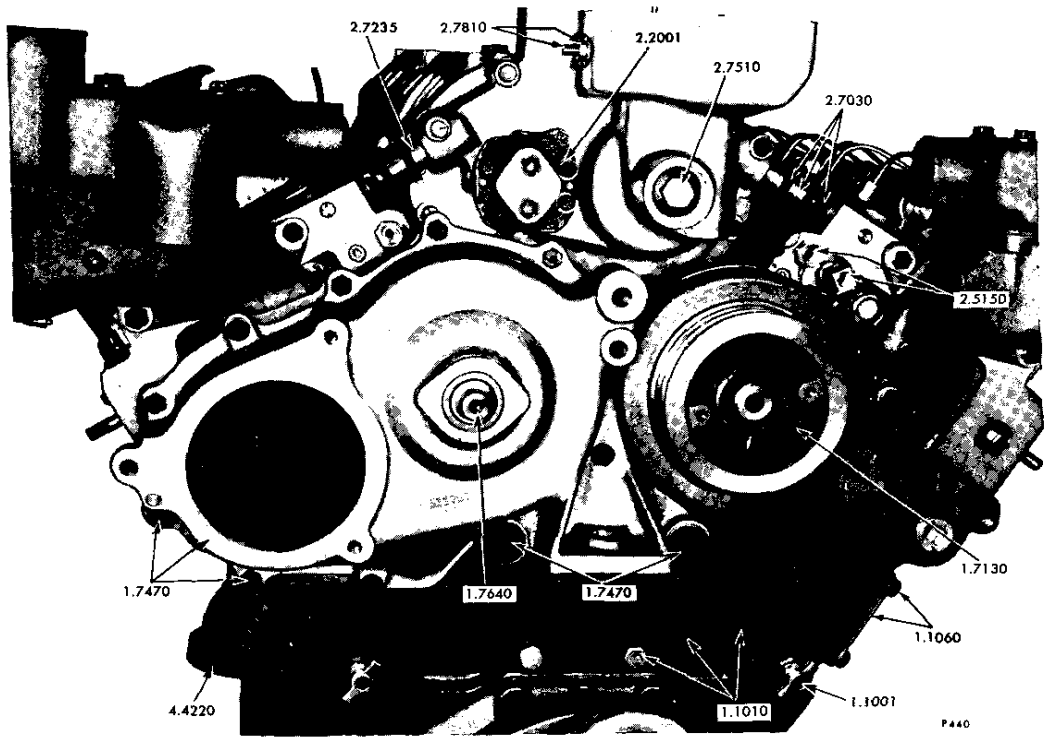

FIG. 9A CAMSHAFT PULLEY & WATER PUMP DRIVE

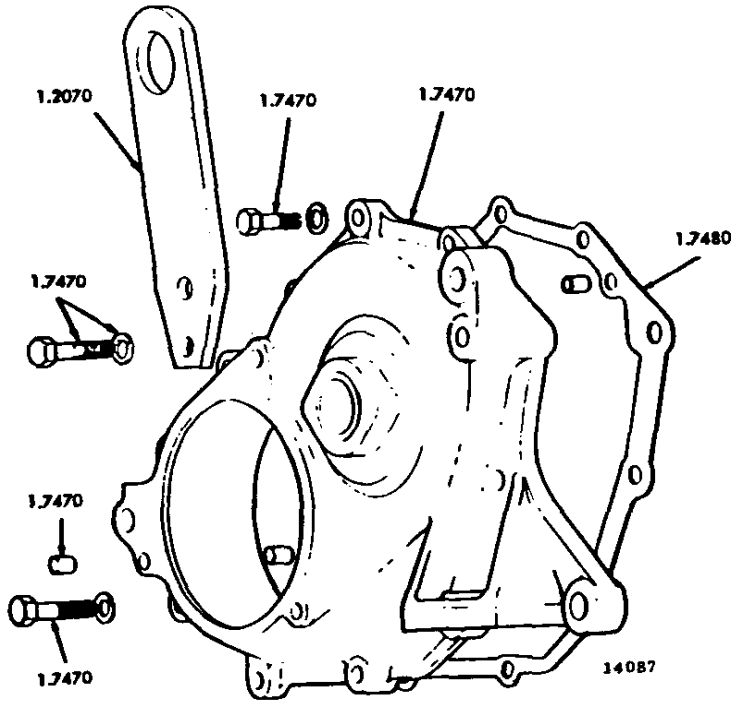

FIG. 9B BALANCE WEIGHT COVER

Figs. 9A & 9B of 1.0000

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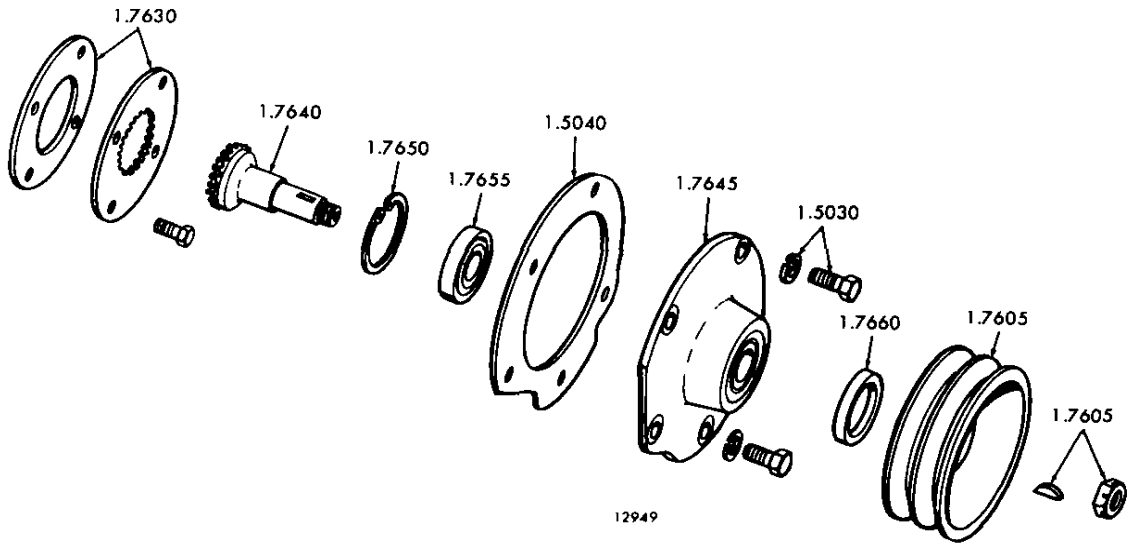

FIG. 10A

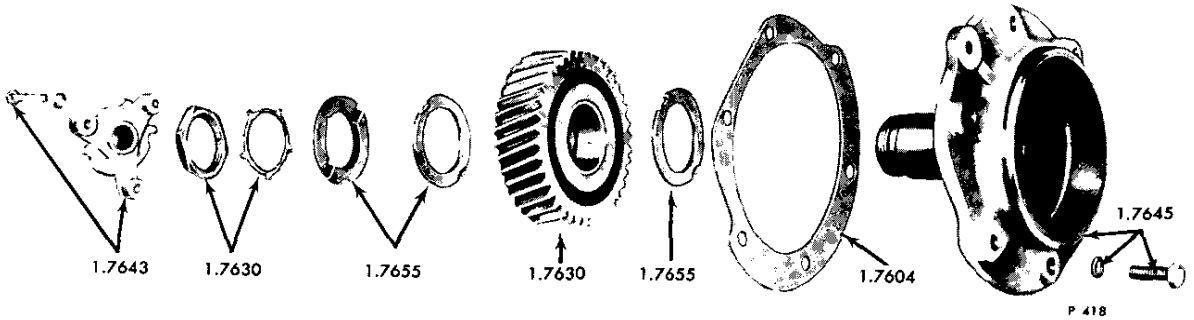

FIG. 10B

ACCESSORY DRIVE

Figs. 10A & 10B of 1.0000

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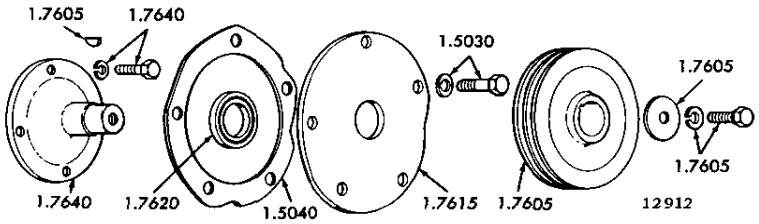

FIG. 10C

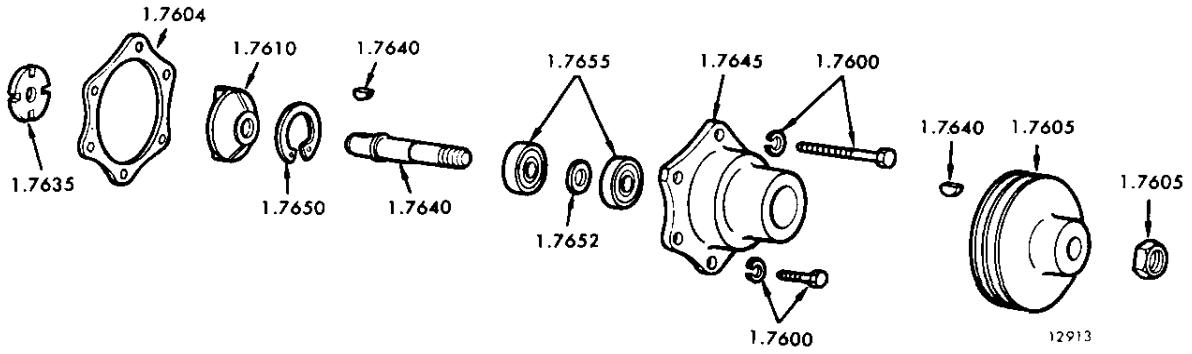

FIG. 10D

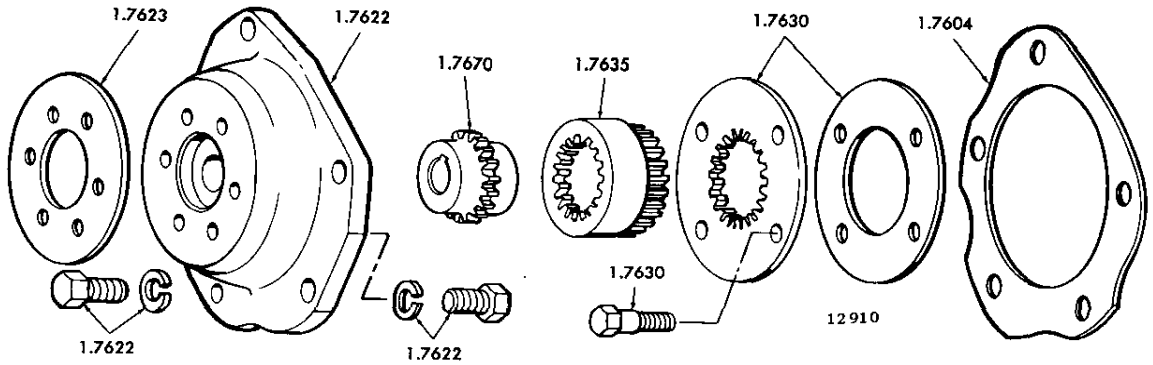

FIG. 10E

ACCESSORY DRIVE

Figs. 10C, 10D & 10E of 1.0000

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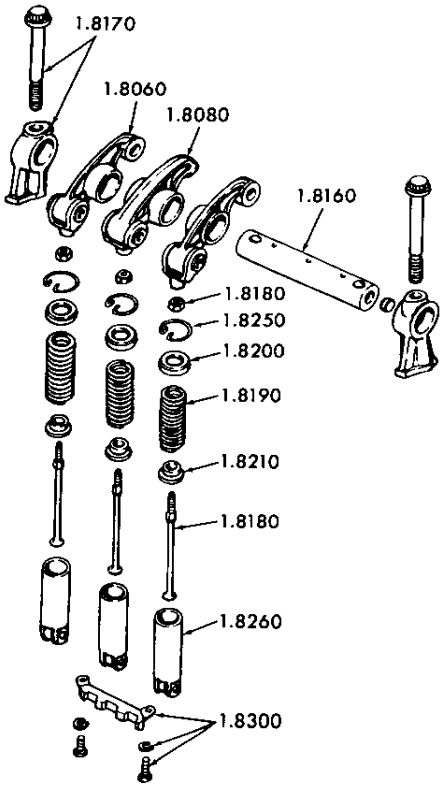

FIG. 11A

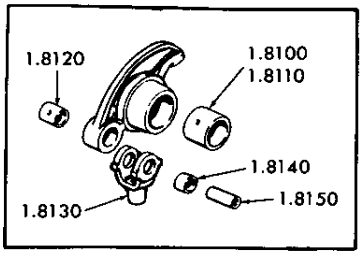

FIG. 11C
(2 Valve)

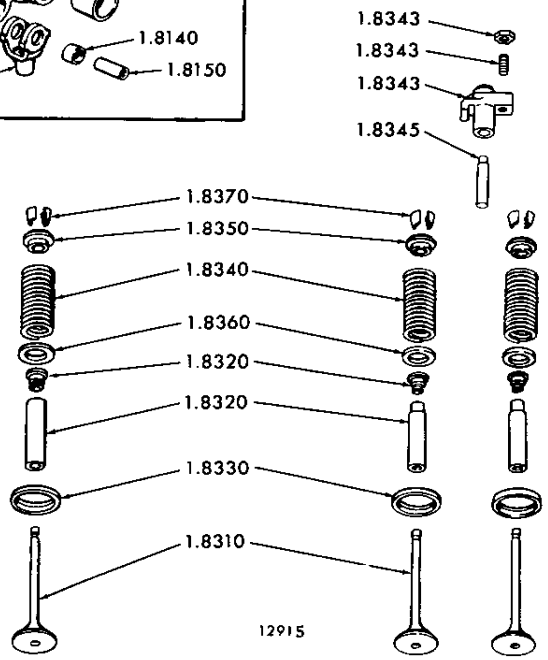

FIG. 11B
(4 Valve)

VALVE OPERATING MECHANISM

Figs. 11A, 11B, 11C of 1.0000

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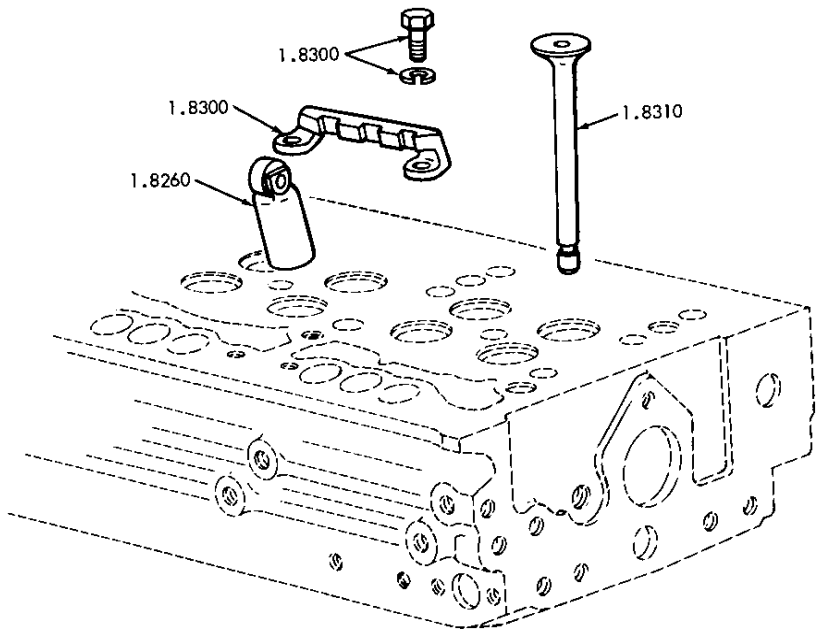

SECTIONAL VIEW
OF INSTALLED VALVE
SPRING RETAINER

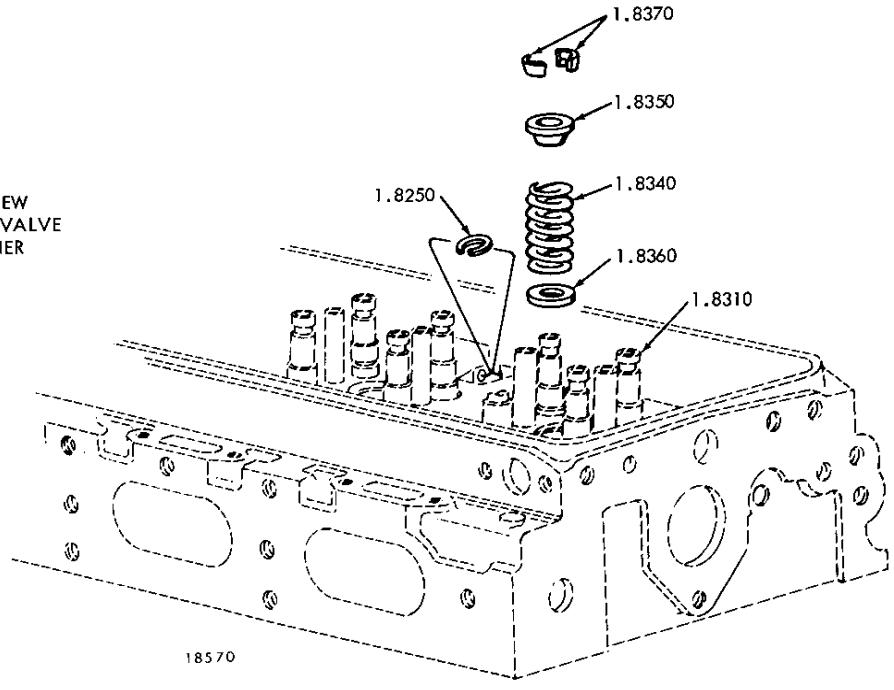

FIG. 11D VALVE, CAM FOLLOWER & GUIDE

FIG. 11D OF 1.0000

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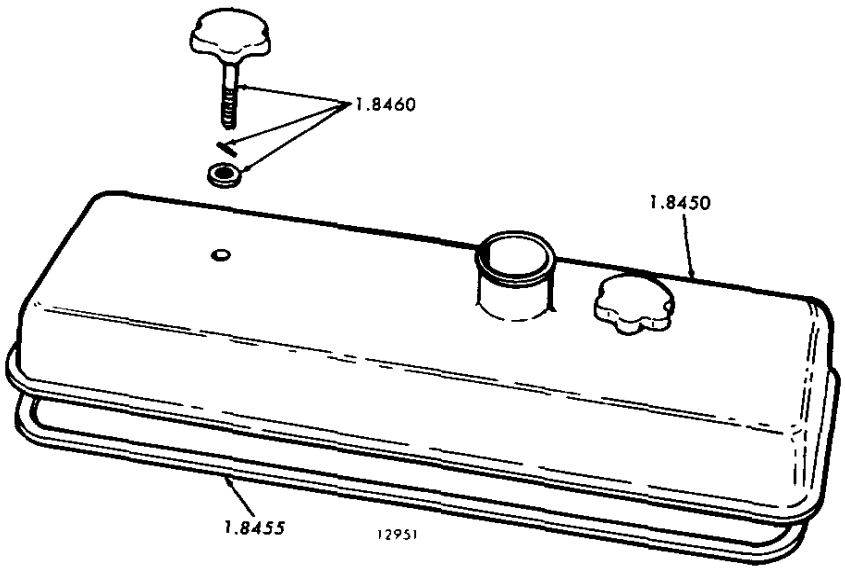

FIG. 12A ROCKER COVER (Stamped)

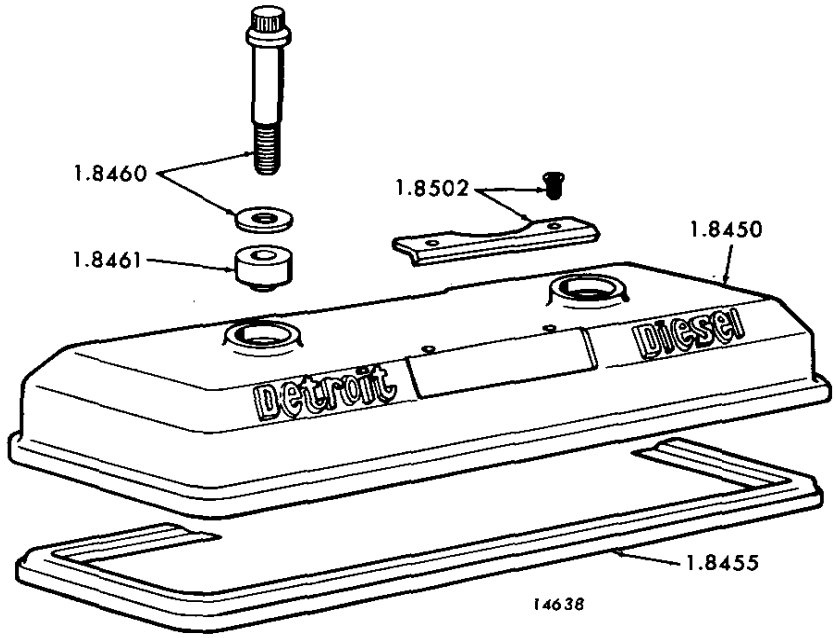

FIG. 12B ROCKER COVER (Cast)

Figs. 12A & 12B of 1.0000

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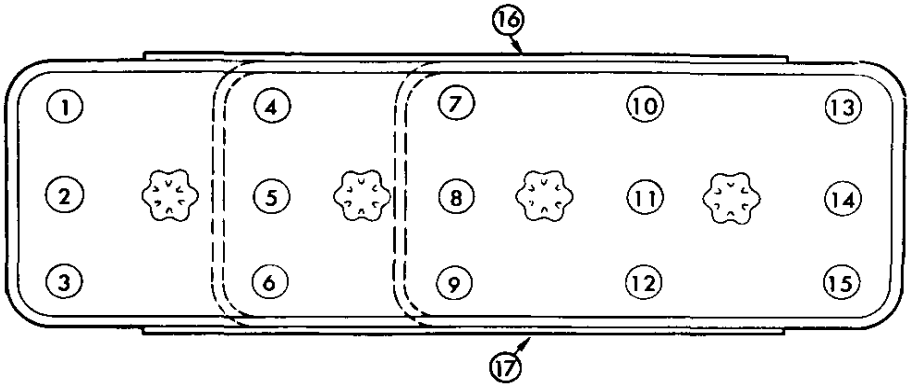

6, 12-V71 4, 8-V71 3, 6-V71

ROCKER COVER OIL FILLER AND BREATHER LOCATION

NOTE: OIL FILLER CAPS NOT BRAZED TO ROCKER COVER ARE SHOWN IN SECTION 4.5000A.

NOTE: BREATHER COMPONENTS ARE SHOWN IN SECTION 4.8000A, EXCEPT FOR TUBES BRAZED TO ROCKER COVERS.

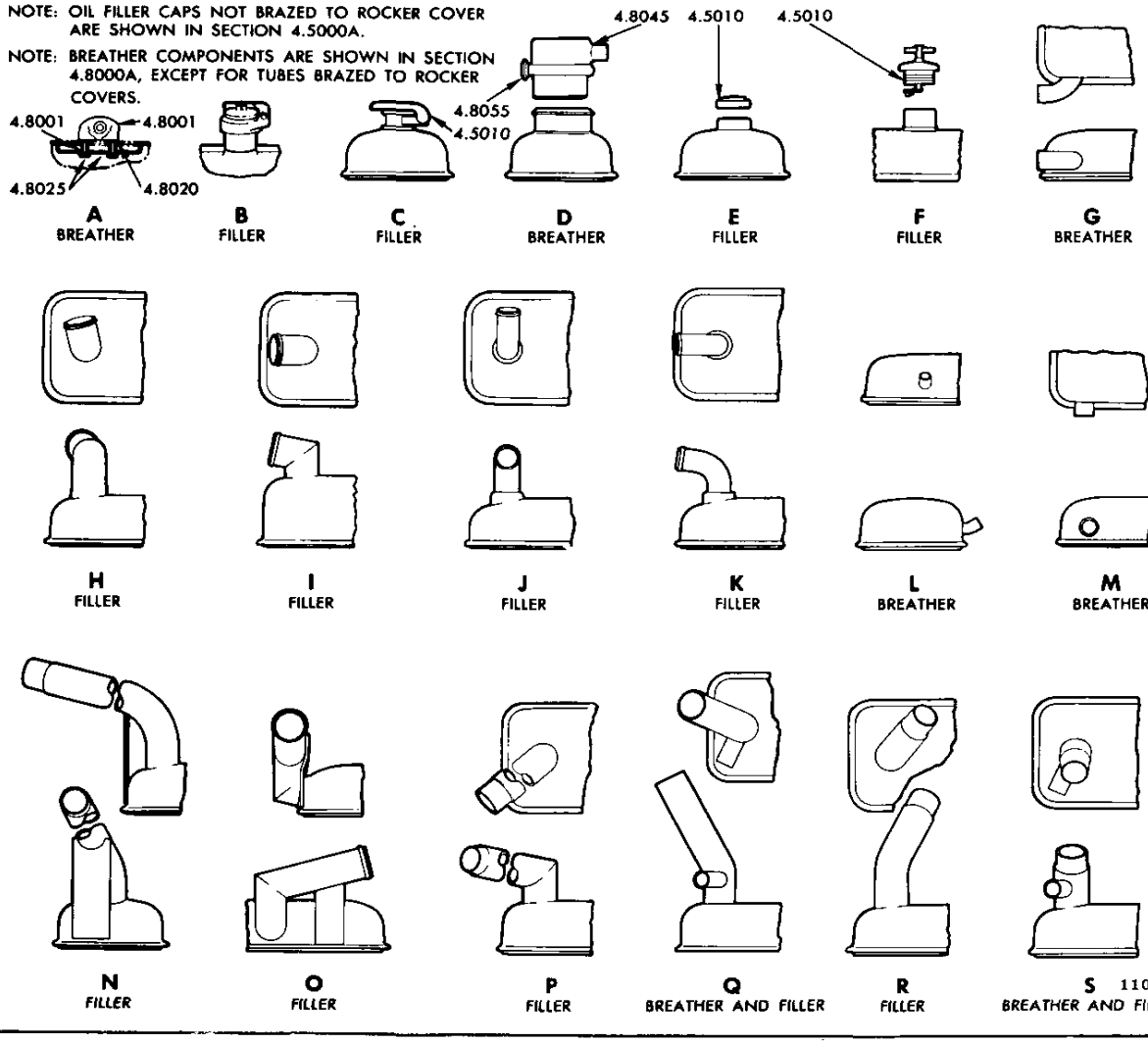

Fig. 12C of 1.0000

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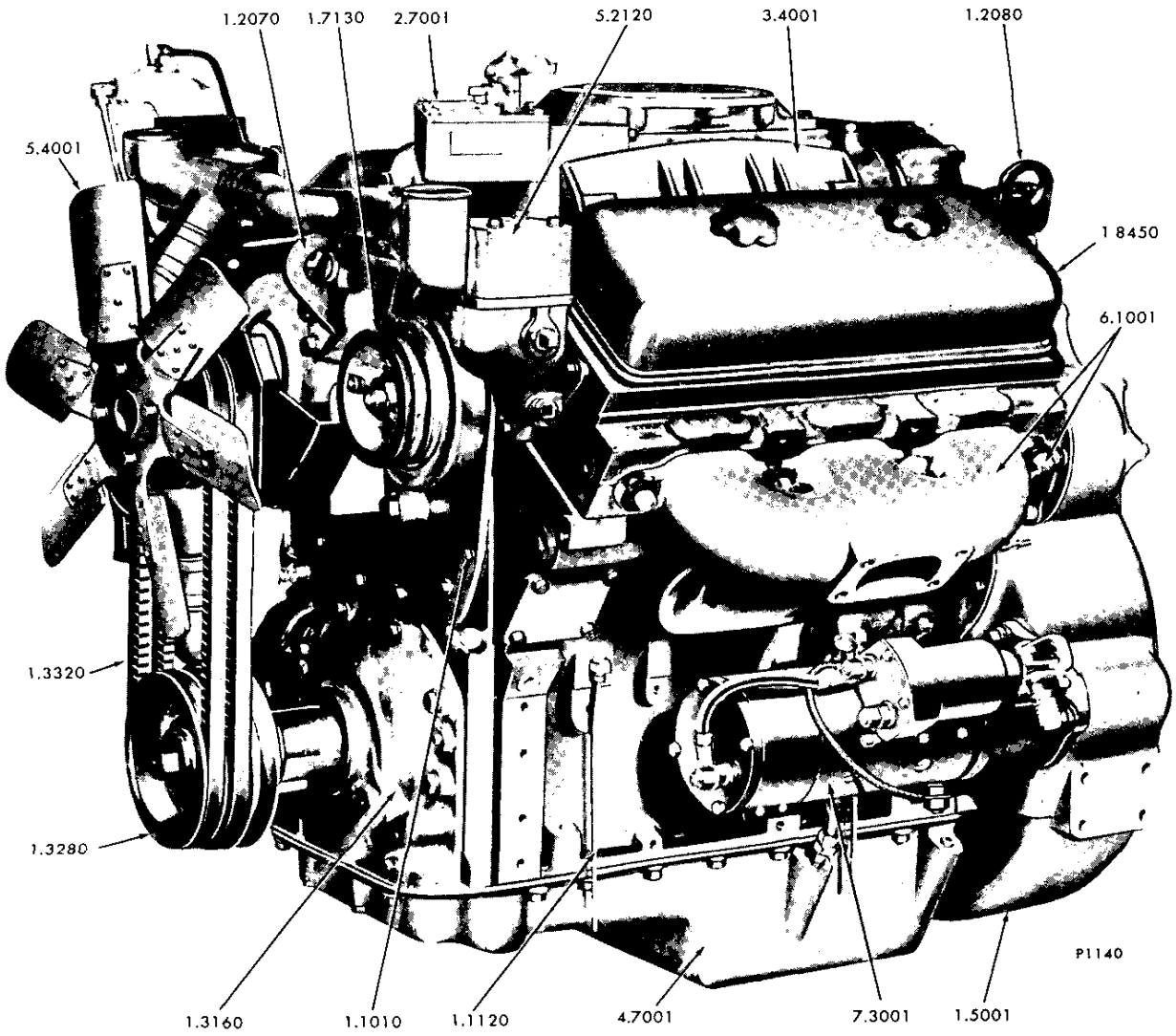

TYPICAL FAN TO FLYWHEEL INDUSTRIAL ENGINE

Fig. 13A of 1.0000

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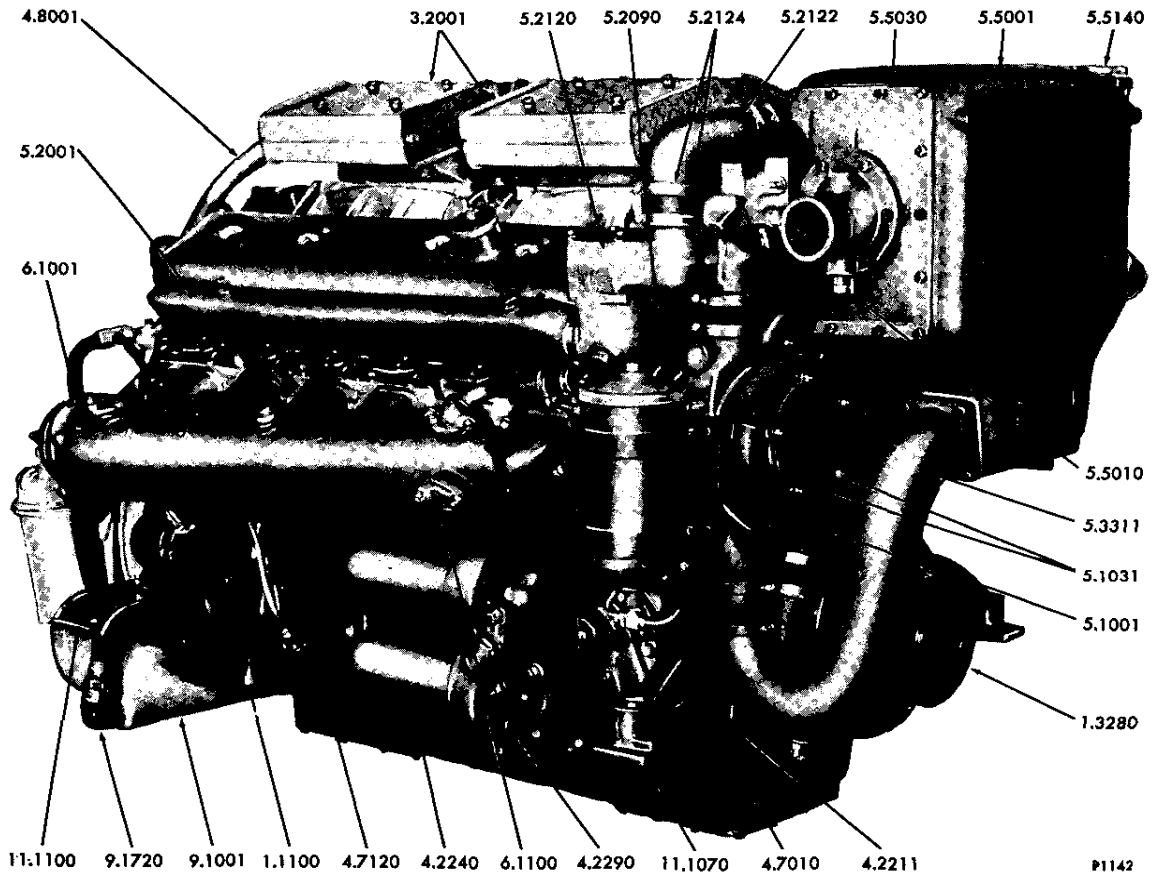

TYPICAL 12V-71 MARINE ENGINE

Fig. 13B of 1.0000

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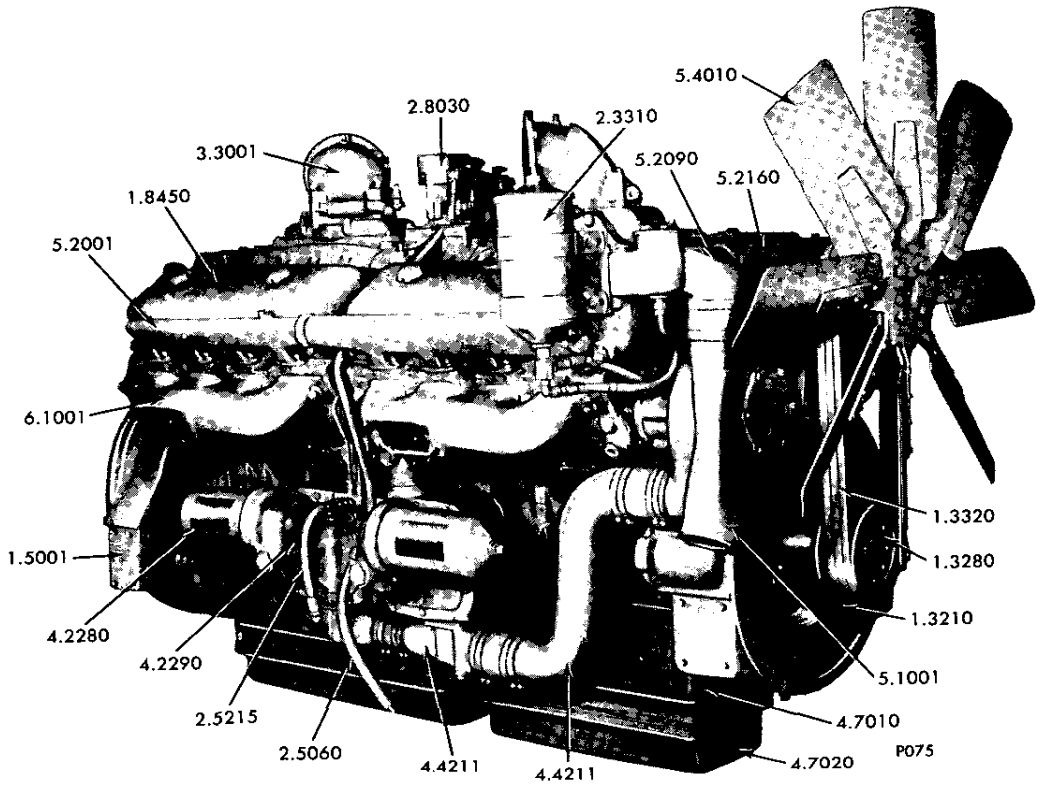

FIG. 13D 16V-71 FAN TO FLYWHEEL ENGINE

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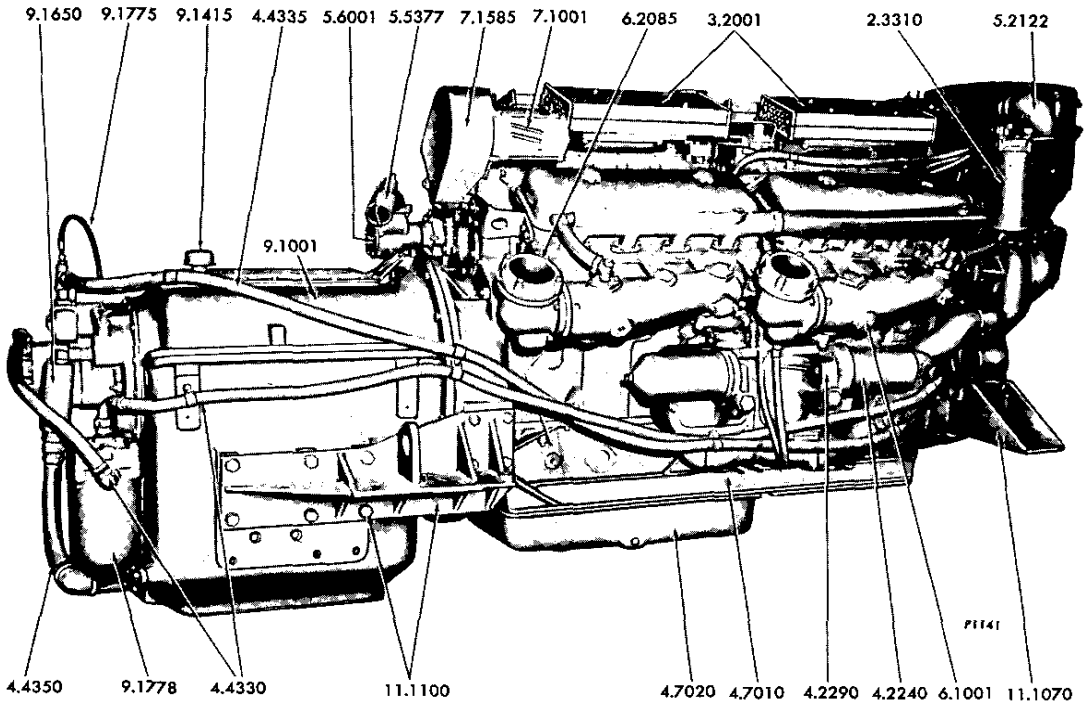

FIG. 13E 16V-71 MARINE UNIT

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 34	35	36	40	47	51	54	58	61	64	71	92
		1.1001 - BLOCK, CYLINDER												
		• FOR TYPE 42 USE TYPE 121.• FOR COMPONENTS OF SERVICE CYLINDER BLOCK ASSEMBLIES REFER TO ASSEMBLY BREAKDOWN ON PAGE A1.												
1A	**5199135**	BLOCK ASSY. (W.B.P.) (6V)	1					1						
1A	**5199137**	BLOCK ASSY. (W.B.P.) (8V)		1					1				1	
1A	**5199139**	BLOCK ASSY. (W.B.P.) (12V)			1							1		1
	5199143	* BLOCK ASSY. (FRONT & REAR COMBINED) (W.B.P.) (16V)				1	1			1	1			
1D	**5199144**	BLOCK ASSY. (FRONT BLOCK ONLY) (W.B.P.) (16V)				1	1			1	1			
1D	**5199145**	BLOCK ASSY. (REAR BLOCK ONLY) (W.B.P.) (16V)				1	1			1	1			
	5130750	PAD, BREATHER		2	2	4	4	2	2			2	2	
	5130752	RETAINER, BREATHER PAD (1" DIA.)		1	1	2	2	1	1			1	1	
	5130753	RETAINER, BREATHER PAD (1.36" DIA.)		1	1	2	2	1	1			1	1	
	5121182	# PLUG, 1/4" (2.4015)	6	2	3	4	4	6	2	4	4	3		
	5125237	PLUG, 1/4" (1.2001)		2					2					
	5145014	# PLUG, 3/8"-18 (12.9550)	1											2
	5154453	PLUG, 3/8"-16 (1.2001)				4	4							
	5142549	# PLUG, 3/4"-14 (12.9550)	4		4			4				4		4
1A	**118536**	# DRAINCOCK, 3/8" (12.9510)	3	3	3	4	4	3	3	4	4	3	3	3
1A	**8924159**	# BUSHING, 3/4"-3/8" RED. (12.9570)	2	2	2	3	3	2	2	3	3	2	2	2
1A	**8924159**	BUSHING, 3/4"-3/8" RED. (12.9570)		1										
	8925131	# NIPPLE, 1/4"X7/8" (12.9560)				2	2							
		* NOT SERVICED. USE 5199144 FRONT AND 5199145 REAR ASSEMBLIES. REFER TO 1.1003 FOR ATTACHING PARTS.												
		# FOR DRY BLOCKS ONLY.												
		1.1002 - GASKET KIT, ENGINE OVERHAUL												
		KITS 5196373, 5196374, 5196963 AND 5198150 INCLUDE THE GASKETS NECESSARY TO OVERHAUL AN INDUSTRIAL ENGINE. FOR MARINE ENGINES 5196376 OR 5196132 ARE REQUIRED IN ADDITION TO THE ABOVE. KIT 5196375 WHEN USED WITH 519 6378 FOR MARINE OR 5196379 FOR INDUSTRIAL ENGINES, PROVIDES GASKETS NECESSARY FOR A COMPLETE ENGINE OVERHAU L. GASKET KITS DO NOT INCLUDE THE ADDITIONAL GASKETS REQUIRED FOR TURBOCHARGED ENGINES.												
	5196373	GASKET KIT (STD. & W.B.P.) (6V)	AR					AR						
	5196374	GASKET KIT (STD. & W.B.P.) (8V)		AR					AR				AR	
	5196375	GASKET KIT (STD. & W.B.P.) (12V)			AR							AR		AR
	5196963	GASKET KIT (STD.) (16V)				AR	AR							
	5198150	GASKET KIT (W.B.P.) (16V)								AR	AR			
	5196132	GASKET KIT (MARINE SUPPLEMENTARY) (16V)					AR							
	5196376	GASKET KIT (MARINE SUPPLEMENTARY) (6-8V)	AR	AR				AR	AR					
	5196378	GASKET KIT (MARINE SUPPLEMENTARY) (12V)			AR							AR		AR
	5196379	GASKET KIT (INDUSTRIAL SUPPLEMENTARY) (12V)			AR							AR		AR

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 34	35	36	40	47	51	54	58	61	64	71	92
		1.1003 - ATTACHING PARTS, CYLINDER BLOCK FRONT TO REAR												
1D	**5127196**	PLUG, 1" EXT., 7/8"-14 INT. (ITEM 6)				2	2			2	2			
	5186579	RING, SEAL - INTER BLOCK (BLUE STRIPE) (WATER) (1.2020)				2	2			2	2			
	5109346	SEAL - INTER BLOCK (1.1001)				1	1			1	1			
	5146433	RING, SEAL (.147"X1.143" DIA.)				1	1			1	1			
	5126030	ADAPTOR				2	2			2	2			
	141242	PIN, 3/8"X7/8" DOWEL (12.9290)				2	2			2	2			
1D	**5127197**	PLUG, 1" EXT., 3/4"-10 INT. (ITEM 5) (1.5001)				2	2			2	2			
1D	**5135244**	BOLT, 5/8"-11X4 1/4" (ITEM 7) (1.1001)				6	6			6	6			
1D	**271587**	BOLT, 5/8"-18X2" (ITEM 1) (12.9001)				1	1			1	1			
1D	**5135243**	BOLT, 3/4"-10X3 1/2" (ITEM 3) (1.1001)				2	2			2	2			
	5127952	WASHER, 1.12"X.755" (1.1001)				2	2			2	2			
1D	**126023**	NUT, 5/8"-18 (ITEM 2) (12.9140)				1	1			1	1			
		1.1004 - CONVERSION KITS, DRY BLOCKS TO WATER-BELOW-PORT												
		KITS INCLUDE HAND HOLE COVERS AND GASKETS, AIR BOX DRAIN TUBES, PLUS END PLATE GASKETS AND ATTACHING PARTS.												
	5199244	CONVERSION KIT (6V)	1					1						
	5199245	CONVERSION KIT (8V)		1					1				1	
	5199246	CONVERSION KIT (12V)			1							1		1
	5199247	CONVERSION KIT (16V)				1	1			1	1			
		1.1010 - PLATE, CYLINDER BLOCK END-FRONT												
		A PLATE ASSEMBLY INCLUDES PLUG-NUTS.												
1A	**5132422**	PLATE ASSY.	1	1	1			1	1			1	1	1
1A	**5102562**	PLATE ASSY., W/ACCESS. HOLE (1.1020)				1	1			1	1			
	179839	BOLT, 3/8"-16X1" (12.9001)	5	5	5	9	8	5	5	8	9	5	5	5
	122408	BOLT, 1/2"-13X1" (12.9001)	2	2	2			2	2			2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	5	5	5	9	8	5	5	8	9	5	5	5
	103323	LOCKWASHER, 1/2" (12.9200)	2	2	2			2	2			2	2	2
	5121459	NUT, 3/8"-24 PLUG (1.1020)	1	1	1	11	11	1	1	11	11	1	1	1
		1.1020 - PLATE, CYLINDER BLOCK END-REAR												
		A PLATE ASSEMBLY INCLUDES PLUG-NUTS.												
1A	**5102562**	@ PLATE ASSY. (W/ACCESS HOLE)	1	1	1	1	1	1	1	1	1	1	1	1
	5102680	PLATE ASSY. (LESS ACCESSORY HOLE)				1	1			1	1			
1A	**5102639**	* PLATE ASSY. (LESS ACCESS HOLE)	1	1	1	1	1	1	1	1	1	1	1	1
	5107677	COVER	1	1	1	1					1	1	1	1
	179839	BOLT, 3/8"-16X1" (12.9001)	9	9	9	9	9	9	9	9	9	9	9	9
	106284	BOLT, 3/8"-24X5/8" (12.9001)	2	2	2	2					2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	5	5	5	9	8	5	5	8	9	5	5	5
	5152148	WASHER, 3/8"X9/16" COPPER (2.4050)	2	2	2	2				2	2	2	2	2
	5121459	NUT, 3/8"-24 PLUG	11	11	11	AR	AR	11	11	AR	AR	11	11	11
		@ WITH NON-REINFORCED FLYWHEEL HOUSING FOR 16V.												

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 34	35	36	40	47	51	54	58	61	64	71	92
		1.1020 - PLATE, CYLINDER BLOCK END-REAR (CONT'D)												
		* WITH REINFORCED FLYWHEEL HOUSING FOR 16V.												
		1.1030 - GASKET, CYLINDER BLOCK END PLATE-FRONT												
1A	**5144901**	GASKET	1	1	1			1	1			1	1	1
1A	**5121835**	GASKET (17/32"I.D.X1.12" O.D.)	1	1	1			1	1			1	1	1
1A	**5102551**	GASKET (1.1032)				1	1			1	1			
		1.1032 - GASKET, CYLINDER BLOCK END PLATE-REAR												
1A	**5102551**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
1A	**5104507**	GASKET (END PLATE COVER) (1.5060)	1	1	1	1					1	1	1	1
		1.1040 - COVER, CYLINDER BLOCK HAND HOLE												
	5144551	& COVER (3/4" TAPPED HOLE) (WATER BELOW PORT BLOCK)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5125905	% COVER (PLAIN) (DRY BLOCK)	2	4	6	8	8	2	4			6		
	5107677	COVER (PLAIN) (DRY BLOCK)	7	1	1	1	1	7	1			1		
1A	**5132458**	COVER, SMALL (W.B.P.) (PLAIN)	2	4	8	8	8	2	4	9	8	8	4	8
1A	**5144186**	COVER, LARGE (W.B.P.) (TWO 1/8" TAP HOLES)	2	2	2	4	4	1	1	4	4	2	2	2
1A	**5107989**	COVER, SMALL (1/8" TAP HOLE)			1									
1A	**5144218**	COVER, LARGE (W.B.P.) (1/8" TAP HOLE)						1	1					
1A	**8922562**	COVER, SMALL (TWO 11/32" HOLES WITH 1" SPOTFACE)			2									
	5122317	+ CLAMP	2	4	6	8	8	2	4			6		
	5155596	+ GASKET, 5/16" COPPER (4.7120)	4	8	12	16	16	4	8			12		
	5109470	% + LOCKPLATE	2	4	6	8	8	2	4			6		
	5140163	& + LOCKPLATE	2	2	2	2	2	2	2			2		
	5152121	STUD, 5/16"-24X1 1/2" (2.2005)		14	22	28	28	10	14	28	28	22	14	22
	8924380	PLUG, 1/8"-27 (W.B.P.) (12.9550)	4	4	4	8	8	2	3	8	8	4	4	4
	8924517	PLUG, 3/8"-18 (12.9550) (W.B.P.)			4									
	8920631	BOLT, 5/16"-18X1" (12.9001)	10		22									
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)								14				
	106327	+ BOLT, 5/16"-18X1 3/8" (12.9001)	4	8	12	16	16	4	8			12		
	120393	WASHER, 5/16" (12.9190)		14	22	28	28	10	14	28	28	22	14	22
	103320	LOCKWASHER, 5/16" (12.9200)		14	22	28	28	10	14	28	28	22	14	22
	114493	NUT, 5/16"-24 (2.7170)		14	22	28	28	10	14	28	28	22	14	22
		& USED WITH AIR COMPRESSOR.												
		% DEDUCT (1) WHEN 5124754 COVER IS USED.												
		+ DRY BLOCKS ONLY.												
		1.1050 - GASKET, CYLINDER BLOCK HAND HOLE COVER												
	5117016	GASKET (DRY BLOCK)	2	4	6	8	8	2	4					
	5108401	GASKET (DRY BLOCK)			6	8	8					6		
1A	**5106688**	GASKET, SMALL (W.B.P.)	2	4	8	8	8	2	4	8	8	8	4	8
1A	**5106689**	GASKET, LARGE (W.B.P.)	2	2	2	4	4	2	2	4	4	2	2	2

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 34	35	36	40	47	51	54	58	61	64	71	92
		1.1060 - COVER, CYLINDER BLOCK WATER HOLE												
	5127788	+ COVER (3/4" TAPPED HOLE)	1	1	1			1	1			1		
	5117733	COVER (PLAIN)	1	1	1			1	1			1	1	
	5122961	COVER (LEFT BANK, FRONT)				1	1			1	1			
	5122962	& COVER (LEFT BANK, REAR)	1			1	1			1	1			
	5142549	PLUG, 3/4" (12.9550)	1			2	2			2	2			
	179838	BOLT, 3/8"-16X7/8" (12.9001)	4	4	4			4	4			4	4	4
	179839	BOLT, 3/8"-16X1" (12.9001)	4			8	8			8	8			
	103321	LOCKWASHER, 3/8" (12.9200)	2			8	8			8	8			
	103341	WASHER, 3/8" (12.9190)	4	4	4			4	4			4	4	4
	5152148	WASHER, 3/8"X9/16" COPPER (2.4050)	2			4	4			4	4			
		+ USED WITH AIR COMPRESSOR ON DRY BLOCKS ONLY.												
		& USED WITH CAB HEATER ON 6V.												
		1.1065 - COVER, CYLINDER BLOCK OIL HOLE												
	5108216	COVER (1.1001)				2	2			2	2			
	179838	BOLT, 3/8"-16X7/8" (12.9001)				4	4			4	4			
	103321	LOCKWASHER, 3/8" (12.9200)				4	4			4	4			
		1.1066 - GASKET, CYLINDER BLOCK OIL HOLE COVER												
	5117535	GASKET (4.4117)				2	2			2	2			
		1.1070 - GASKET, CYLINDER BLOCK WATER HOLE COVER												
	5117734	GASKET (REAR ON 16V)	1	1	1	1	1	1	1	1	1	1	1	1
	5117254	GASKET (FRONT ON 16V) (4.4230)				1	1			1	1			

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 92	103	108	114	115	121	122	127	140	159	162	172	173
		1.1001 - BLOCK, CYLINDER													
		• FOR TYPE 108 USE TYPE 92.* FOR COMPONENTS OF SERVICE CYLINDER *BLOCK ASSEMBLIES REFER TO* ASSEMBLY BREAKDOWN ON PAGE A1.													
1A	5199137	+ BLOCK ASSY. (W.B.P.) (8V)	1	1							1				
	5199143	* BLOCK ASSY. (FRONT & REAR COMBINED) (W.B.P.) (16V)								1				1	
1D	5199144	BLOCK ASSY. (FRONT BLOCK ONLY) *(W.B.P.) (16V)*								1				1	
1D	5199145	BLOCK ASSY. (REAR BLOCK ONLY) (W.B.P.) (16V)								1				1	
1A	5145052	BLOCK ASSY. (2 26" DIA. HEATER HOLE) (TURBO) (W.B.P.) (12V)			1	1									
1A	5199418	BLOCK ASSY. (2.26" DIA. HEATER HOLE) (TURBO) (W.B.P.) (8V)					1		1				1		
1A	5199250	*BLOCK ASSY. (1.12" DIA. HEATER HOLE)* (TURBO) (W.B.P.) (8V)						1							
	8924480	BLOCK ASSY. (WITH CENTER-MOUNTED AIR HEATER HOLE) (TURBO) (W.B.P.) (12V)													1
1A	5149272	BLOCK ASSY. (TURBO W/AFTERCOOLER) (W.B.P.) (8V)										1			
	5130750	*PAD, BREATHER*	2					2							
	5130752	RETAINER, BREATHER PAD (1" DIA.)	1					1							
	5130753	RETAINER, BREATHER PAD (1.36" DIA.)	1					1							
	5123239	@ PIN, SPRING			1	1									
1A	141346	PIN, 3/16"X1/2" DOWEL, BRASS (12.9290)			4	4									4
1A	5103045	PIN, 5/16"X7/16" DOWEL (COPPER *PLATED)*			4	4									4
1A	5151576	PIN, DOWEL (FLYWHEEL HOUSING & FRONT COVER)			4	4									4
	5139988	PLUG, 1" CUP (VERTICAL OIL PASSAGE)			1	1									
	5123862	PLUG, .335" TO .358" O.D.) (TOP FACE OF BLOCK)						2							
	5121182	PLUG, 1/4" (2.4015)			2	2									2
	5125237	*PLUG, 1/4" (1.2001)*		2			2	2	2				2		2
	5145014	PLUG, 3/8"-18 (12.9550)			1	1		1							1
	5115214	PLUG, 1/2" (12.9550)			8	7									7
	5130896	PLUG, SPECIAL (AIR HEATER HOLE)	2	2	2	2	2	2	2		2		2		
	9421746	PLUG, 9/16" (9.3550)			2	2									2
	5142549	PLUG, 3/4"-14 (12.9550)			6	6									6
	9428477	PLUG, 15/16" DIA. CUP (2.7340)			1	1									1
	5139988	*PLUG, 1" DIA. CUP*													1
	5150362	STUD, 3/8"-16X1 5/8" (5.2020)			4	2									6
	103197	STUD, 3/8"-16-24X1 13/16" (12.9117)			2	2									2
	8924140	DRAINCOCK, 1/4" (12.9510)				2									2
1A	118536	DRAINCOCK, 3/8" (12.9510)	3		1	1									1
	8924177	TEE, 3/8"-18 (12.9616)									1				
1A	8924159	# BUSHING, 3/4"-3/8" RED. (12.9570)	2								1				
	8924175	*ELBOW, 3/8"-90 DEG. STR. (12.9550)*									1				

* NOT SERVICED. USE 5199144 FRONT AND 5199145 REAR ASSEMBLIES. REFER TO 1.1003 FOR ATTACHING PARTS.

@ OBSOLETE, NO REPLACEMENT.

\# FOR DRY BLOCKS ONLY.

\+ STABILIZER KIT IN 1.3112 WILL BE SHIPPED WITH EACH 8V-71 BLOCK.

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 96	103	106	114	115	121	122	127	140	159	162	172	173
		1.1002 - GASKET KIT, ENGINE OVERHAUL													
		KITS 5196374, 5196963 AND 5198150 INCLUDE THE GASKETS NECESSARY TO OVERHAUL AN INDUSTRIAL ENGINE. FOR MARIN E ENGINES 5196376 OR 5196132 ARE REQUIRED IN ADDITION TO THE ABOVE. KIT 5196375 WHEN USED WITH 5196378 FOR MARINE OR 5196379 FOR INDUSTRIAL ENGINES, PROVIDES GASKETS NECESSARY FOR A COMPLETE ENGINE OVERHAUL. GASKET KITS DO NOT INCLUDE THE ADDITIONAL GASKETS REQUIRED FOR TURBOCHARGED ENGINES.													
	5196374	GASKET KIT (STD. & W.B.P.) (8V)	AR	AR			AR	AR	AR			AR			
	5196375	GASKET KIT (STD. & W.B.P.) (12V)			AR	AR									AR
	5198150	GASKET KIT (W.B.P.) (16V)								AR				AR	
	5197858	GASKET KIT (TURBO) (8V)						AR					AR		
	5198946	GASKET KIT (8V)									AR				
	5196132	GASKET KIT (MARINE SUPPLEMENTARY) (16V)								AR					
	5196376	GASKET KIT (MARINE SUPPLEMENTARY) (6-8V)	AR	AR			AR	AR	AR			AR			
	5196378	GASKET KIT (MARINE SUPPLEMENTARY) (12V)			AR	AR									
	5196379	GASKET KIT (INDUSTRIAL SUPPLEMENTARY) (12V)			AR	AR									
		1.1003 - ATTACHING PARTS, CYLINDER BLOCK FRONT TO REAR													
1D	**5127196**	PLUG, 1" EXT., 7/8"-14 INT. (ITEM 6)								2				2	
	5186579	RING, SEAL - INTER BLOCK (BLUE STRIPE) (WATER) (1.2020)								2				2	
	5146433	RING, SEAL (.147"X1.143" DIA.)								1				1	
	5109346	SEAL - INTER BLOCK (1.1001)								1				1	
	5126030	ADAPTOR								2				2	
	141242	PIN, 3/8"X7/8" DOWEL (12.9290)								2				2	
1D	**5127197**	PLUG, 1" EXT., 3/4"-10 INT. (ITEM 5) (1.5001)								2				2	
1D	**5135244**	BOLT, 5/8"-11X4 1/4" (ITEM 7) (1.1001)								6				6	
1D	**271587**	BOLT, 5/8"-18X2" (ITEM 1) (12.9001)								1				1	
1D	**5135243**	BOLT, 3/4"-10X3 1/2" (ITEM 3) (1.1001)								2				2	
	5127952	WASHER, 1.12"X.755" (1.1001)								2				2	
1D	**126023**	NUT, 5/8"-18 (ITEM 2) (12.9140)								1				1	
		1.1010 - PLATE, CYLINDER BLOCK END-FRONT													
		A PLATE ASSEMBLY INCLUDES PLUG-NUTS.													
1A	**5132422**	PLATE ASSY.	1	1	1	1	1	1			1	1	1		1
1A	**5102562**	PLATE ASSY. (W/ACC. HOLE) (1.1020)								1					
1A	**5102680**	PLATE ASSY. (LESS ACCESSORY HOLE (1.1020)												1	
	179839	BOLT, 3/8"-16X1" (12.9001)	5	5	5	5	5	5	5	9	5	5	5	8	5
	122408	BOLT, 1/2"-13X1" (12.9001)	2	2	2	2	2	2	2		2	2	2		2
	103321	LOCKWASHER, 3/8" (12.9200)	5	5	5	5	5	5	5	9	5	5	5	8	5
	103323	LOCKWASHER, 1/2" (12.9200)	2	2	2	2	2	2	2		2	2	2		2
	5121459	NUT, 3/8"-24 PLUG (1.1020)	11	11	11	11	11	11			1	1			

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 96	103	106	114	115	121	122	127	140	159	162	172	173
		1.1020 - PLATE, CYLINDER BLOCK END-REAR													
		A PLATE ASSEMBLY INCLUDES PLUG-NUTS.													
1A	5102562	* PLATE ASSY. (W/ACCESS. HOLE)	1	1	1	1	1	1	1	1	1		1	1	
	5102680	PLATE ASSY. (LESS ACCESSORY HOLE)		1					1	1	1	1	1	1	
1A	5173865	+ @ PLATE ASSY. (LESS ACCESS. HOLE) (5102639)	1	1	1	1	1	1		1					
	5102639	@ PLATE ASSY. (LESS ACCES. HOLE)													1
	5107677	COVER	1	1	1	1	1	1	1	1	1		1	1	
	179839	BOLT, 3/8"-16X1" (12.9001)	9	9	9	9	9	9	9	9	9	8	8	8	9
	106284	BOLT, 3/8"-24X5/8" (12.9001)	2	2	2	2	2	2	2	2			2	2	
	103321	LOCKWASHER, 3/8" (12.9200)	9	9	9	9	9	9	9	9	9	8	8	8	9
	5152148	WASHER, 3/8"X9/16" COPPER (2.4050)	2	2	2	2	2	2	2	2			2	2	
	5121459	NUT, 3/8"-24 PLUG	11	AR	11	11	11	11	AR	AR	AR	9	AR	AR	AR
		* WITH NON-REINFORCED FLYWHEEL HOUSING FOR 16V.													
		@ WITH REINFORCED FLYWHEEL HOUSING FOR 16V.													
		+ NOT SERVICED. FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.													
		1.1030 - GASKET, CYLINDER BLOCK END PLATE-FRONT													
1A	5144901	GASKET	1	1	1	1	1	1	1			1	1		1
1A	5121835	GASKET (17/32"I.D.X1.12" O.D.)	1	1	1	1	1	1	1			1	1		1
		1.1032 - GASKET, CYLINDER BLOCK END PLATE-REAR													
1A	5102551	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1
1A	5104507	GASKET (END PLATE COVER) (1.5060)	1	1	1	1	1	1	1	1	1		1	1	1
		1.1040 - COVER, CYLINDER BLOCK HAND HOLE													
	5144551	* COVER (3/4" TAPPED HOLE) (WATER BELOW PORT BLOCK)	AR	AR	AR	AR	AR	AR	AR	AR					
	5125905	@ COVER (PLAIN) (DRY BLOCK)	4					4							
1A	5132458	COVER, SMALL (W.B.P.) (PLAIN)	4	4	8	8	4	4	4	8	4	4	4	8	8
1A	5144186	COVER, LARGE (W.B.P.) (1/8" TAP HOLE)	2	2	2	2	2	2	2	4	2	2	2	4	2
	5139783	& COVER & ELBOW ASSY. (DRY BLOCK)	1												
	5122317	# CLAMP	3					4							
	5140708	& CLAMP	1												
	5109470	@ # LOCKPLATE	3					4							
	5139786	# LOCKPLATE	1												
	8920631	BOLT, 5/16"-18X1" (12.9001)									14	14			
	5152121	STUD, 5/16"-18-24X1 1/2" (2.2005)	14	14	22	22	14	14	14	28			14	28	22
	8924380	PLUG, 1/8"-27 (W.B.P.) (12.9550)	4	4		4	4	4	4	8	4	2	4	8	2
	8924517	PLUG, 3/8"-18 (12.9550) (W.B.P.)			4										
	106327	# BOLT, 5/16"-18X1 3/8" (12.9001)	6					8							
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)	1												
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)	1												
	120393	WASHER, 5/16" (12.9190)	14	14	22	22	14	14	14	28			14	28	22
	103320	LOCKWASHER, 5/16" (12.9200)	14	14	22	22	14	14	14	28			14	28	22
	114493	NUT, 5/16"-24 (2.7170)	14	14	22	22	14	14	14	28			14	28	22
		* USED WITH AIR COMPRESSOR.													
		@ DEDUCT (1) WHEN 5124754 COVER IS USED.													
		& OBSOLETE. NO REPLACEMENT.													
		# DRY BLOCKS ONLY.													

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 96	103	106	114	115	121	122	127	140	159	162	172	173
		1.1050 - GASKET, CYLINDER BLOCK HAND HOLE COVER													
	5117016	# GASKET (DRY BLOCK)	3												
	5108401	GASKET (DRY BLOCK)	1					4							
1A	**5106688**	GASKET, SMALL (W.B.P.)	4	4	8	8	4	4	4	8	4		4	8	8
1A	**5106689**	GASKET, LARGE (W.B.P.)	2	2	2	2	2	2	2	4	2		2	4	2
1A	**8923792**	GASKET, SMALL (W.B.P.)										4			
1A	**8923791**	GASKET, LARGE (W.B.P.)										2			
		1.1053 - JUNCTION BLOCK, AIR CYLINDER CONTROL													
	5140060	VALVE (CONTROL) (2.9860)	1												
	5140059	BLOCK ASSY., JUNCTION (1.1001)	1												
		1.1060 - COVER, CYLINDER BLOCK WATER HOLE													
	5127788	# COVER (3/4" TAPPED HOLE)	1												
	5117733	COVER (PLAIN)	1	1	1	1	1	1			1	1	1		
	5100903	@ COVER, AIR BOX HEATER (7.8160)				1							1		
	179816	BOLT, 5/16"-18X3/4" (12.9001)											2		
	179838	BOLT, 3/8"-16X7/8" (12.9001)	4	4	4	4	4	4			4		4		
	8921933	BOLT, 3/8"-16X.88" (12.9001)										4			
	103341	WASHER, 3/8" (12.9190)	4	4	4	4	4	4			4	4	4		
	103320	@ LOCKWASHER, 5/16" (12.9200)				2							2		
		# USED WITH AIR COMPRESSOR ON DRY BLOCKS ONLY.													
		@ FOR MODEL 7123-7396 ONLY.													
		1.1070 - GASKET, CYLINDER BLOCK WATER HOLE COVER													
	5117734	GASKET (REAR ON 16V)	1	1	1	1	1	1			1	1	1		
	5145581	@ GASKET (7.8020)				1							1		
		@ FOR MODEL 7123-7396 ONLY.													

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 206	210	211	231	232	244	245	246	248	249	305	306
		1.1001 - BLOCK, CYLINDER												
		FOR COMPONENTS OF SERVICE CYLINDER BLOCK ASSEMBLIES REFER TO ASSEMBLY BREAKDOWN ON PAGE A1.												
	8924119	BLOCK ASSY. (TURBO W/AFTERCOOLER) (W.B.P.) (6V)	1							1				
1A	5149272	+ BLOCK ASSY. (TURBO W/AFTERCOOLER) (W.B.P.) (8V)		1										1
	5199139	BLOCK ASSY. (W.B.P.) (12V)		1	1									
	5199135	BLOCK ASSY. (W.B.P.) (6V)				1	1							
1D	5102627	* BLOCK ASSY. (TURBO W/AFTERCOOLER) (W.B.P.) (16V) (FRONT ONLY)									1	1		
1D	5102628	* BLOCK ASSY. (TURBO W/AFTERCOOLER) (W.B.P.) (16V) (REAR ONLY)									1	1		
	8922801	* BLOCK ASSY. (TURBO W/AFTERCOOLER) (W.B.P.) (12V)						1						
	8927259	* BLOCK ASSY. (TURBO W/AFTERCOOLER) (W.B.P.) (12V)							1					
	23501583	* BLOCK ASSY. (TURBO W/DUAL PASS AFTERCOOLER) (W.B.P.) (12V)											1	
	5117502	CAP, CRANKSHAFT MAIN BEARING (UNFINISHED) (1.3110)						7	7		10	10	7	
	5196317	CAP, CRANKSHAFT MAIN BEARING (FINISHED) (1.3110)						7	7		10	10		
	5116353	BOLT, CRANKSHAFT MAIN BEARING CAP (1.3140)									12	12	14	
	5102374	BOLT, CRANKSHAFT MAIN BEARING CAP (1.3140)						14	14		8	8	8	
	5102373	WASHER, CRANKSHAFT MAIN BEARING CAP BOLT (1.3140)						14	14		20	20	14	
	5121182	PLUG, 1/4" (2.4015)	5	5										
	5154319	PLUG, 1/4"X5/16"	1	1			1	1	1		2	2	1	
	8924141	PLUG, 1/4" (12.9550)			2		2	2	2				2	
	8923847	PLUG, 1/4"-18, 7/8" TAPPER (4.7001)	2	2	2		7	2	3		14	14	3	9
	5123862	PLUG, .335" TO .358" O.D. (TOP FACE OF BLOCK)	2	2							4	4		
	5154453	PLUG, 3/8"-16 (1.2001)									4	4		
	8924517	PLUG, 3/8"-18 (12.9550)	1	1	1	2	1	1	1		1	1	1	
	5150131	PLUG, 7/16" CUP (SPECIAL)									4	4		
	8923916	PLUG, 1/2"-14 (12.9550)	3	2	7		2	7	7		4	4	7	
	9421746	PLUG, 9/16" (9.3550)			2			2	2				2	
	8925715	PLUG, 5/8"-11X1/2" (12.9550)									28	28		
	5142549	PLUG, 3/4"-14 (12.9550)	6	6	6									
	8923313	PLUG, 3/4"-14 PIPE (12.9550)					6	6	6		7	7	6	4
	9428477	PLUG, 15/16" DIA. CUP (2.7340)	1	1	1		1	1	1		2	2	1	
	8924750	PLUG, 1" (12.9550)	1	3			1	12	12		16	16	12	
	5127196	PLUG, 1" EXT. X 7/8"-14 INT. THD. (1.1003)									2	2		
	5127197	PLUG, 1" EXT. X 3/4"-10 INT. THD. (1.5001)									2	2		
	5139988	PLUG, 1" DIA. CUP	1	1	1		1	1	1		11	11	1	1
	8924751	PLUG, 1 1/4" (12.9550)						1	1		2	2	1	
	5150014	PLUG, 1 1/4" CUP (CORE HOLE)									2	2		
	5132410	PLUG, 1 5/8" CUP (STAINLESS)						2	2		4	4	2	
	5117186	PLUG, 2" CUP (STAINLESS) (1.2001)						16	16		24	24	16	
	5126389	PLUG, 2.003" DIA. W/1/4" TAPPED HOLE						1						
	5138646	PLUG, 2 1/2"-16 (SPECIAL)						1	2		2	2	4	
	5138659	GASKET, 2 1/2"-16 (PLUG)						3	4		4	4	4	
	5140082	GASKET (ALUMINUM WITH 5140081 PLUG)									1	1		
	5101033	ADAPTOR (THREADED)						2	2		2	2		

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2066	2110	2111	2312	2323	2444	2445	2446	2448	2449	3055	3056
		1.1001 - BLOCK, CYLINDER (CONT'D)												
	8927270	*STUD, 3/8"-16-24X1.62" (12.9117)*	2	2	2		2	2	4	2			4	2
	103195	STUD, 3/8"X7/16" (4.4050)									4	4		
	103197	STUD, 3/8"X1 13/16" (12.9117)							2				2	
7C	**5103930**	BEARING, CAMSHAFT END (1.7010)									4	4		
	5197110	BUSHING, CAMSHAFT END BEARING (1.7015)									2	2		
	5140081	BUSHING, 3/4"X3/8" REDUCING									1	1		
7C	**5117649**	BOLT, CAM INTER-BEARING LOCK (1.7050)									2	2		
	5104503	WASHER, CAM INTER-BEARING BOLT									2	2		
	141346	PIN, 3/16"X1/2" DOWEL (12.9290)					4	4	4		4	4	4	
	5103045	PIN, 5/16"X7/16" DOWEL, COPPER PLATED	3	3	4		3	4	4		6	6	4	
	5151576	PIN, 1/2"X1 3/8" DOWEL (FLYWHEEL HOUSING & FRONT COVER)	4	4	4		4	4	4		4	4	4	
	8924140	DRAINCOCK, 1/4" (12.9510)	2	2	2		2	2	1		4	4	1	
	8925710	DRAINCOCK, 3/8" (12.9510)	1	1	1		1	1	2				2	
	5130750	PAD, BREATHER					2							
	5130752	RETAINER, BREATHER PAD (1" DIA.)					1							
	5130753	RETAINER, BREATHER PAD (1.36" DIA.)					1							
		+ STABILIZER KIT IN 1.3112 WILL BE SHIPPED WITH EACH 8V71 BLOCK.												
		* BASIC PRODUCTION BLOCK ASSY. ONLY.												
		1.1002 - GASKET KIT, ENGINE OVERHAUL												
		KITS 5196373, 5196374, 5196963 AND 5198150 INCLUDE THE GASKET NECESSARY TO OVERHAUL AN INDUSTRIAL ENGINE. F OR MARINE ENGINES 5196376 OR 5196132 ARE REQUIRED IN ADDITION TO THE ABOVE. KIT 5196375 WHEN USED WITH 5196 378 FOR MARINE OR 5196379 FOR INDUSTRIAL ENGINES, PROVIDES GASKETS NECESSARY FOR A COMPLETE ENGINE OVERHAUL . GASKET KITS DO NOT INCLUDE THE ADDITIONAL GASKETS REQUIRED FOR TURBOCHARGED ENGINES.												
	5196373	GASKET KIT (STD. & W.B.P.) (6V)	AR			AR	AR			AR				
	5196374	GASKET KIT (STD. & W.B.P.) (8V)		AR										
	5196376	GASKET KIT (MARINE SUPPLEMENTARY) (6-8V)	AR	AR		AR	AR			AR				
	5196375	GASKET KIT (STD. & W.B.P.) (12V)			AR			AR	AR				AR	
	5196378	GASKET KIT (MARINE SUPPLEMENTARY) (12V)			AR			AR	AR					
	5196379	GASKET KIT (INDUSTRIAL SUPPLEMENTARY) (12V)			AR			AR	AR					
	5198150	GASKET KIT (W.B.P.) (16V)									AR	AR		
	5196132	GASKET KIT (MARINE SUPPLEMENTARY) (16V)									AR	AR		
	5197858	GASKET KIT, TURBO (8V)												AR
		1.1003 - ATTACHING PARTS CYLINDER BLOCK FRONT TO REAR												
	5127196	PLUG, 1" EXT. 7/8"-14 INT. (ITEM 6)									2	2		
	5186579	RING, SEAL INTER-BLOCK (BLUE STRIPE) (WATER) (1.2020)									2	2		

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 206	210	211	231	232	244	245	246	248	249	305	306
		1.1003 - ATTACHING PARTS CYLINDER BLOCK FRONT TO REAR (CONT'D)												
	5109346	SEAL, INTER-BLOCK (1.1001)									1	1		
	5146433	RING, SEAL (.147"X1.143" DIA.)									1	1		
	5126030	ADAPTOR									2	2		
	141242	PIN, 3/8"X7/8" DOWEL (12.9290)									2	2		
1D	**5127197**	PLUG, 1" EXT., 3/4"-10 INT. (ITEM 5) (1.5001)									2	2		
1D	**5135244**	BOLT, 5/8"-11X4 1/4" (ITEM 7) (1.1001)									6	6		
1D	**271585**	BOLT, 5/8"-18X1 3/4" (ITEM 1) (12.9001)									1	1		
1D	**5135243**	BOLT, 3/4"-10X3 1/2" (ITEM 3) (1.1001)									2	2		
	5127952	WASHER, 1.12"X.755" (1.1001)									2	2		
1D	**126023**	NUT, 5/8"-18 (ITEM 2) (12.9140)									1	1		
		1.1010 - PLATE, CYLINDER BLOCK END-FRONT												
		A PLATE ASSEMBLY INCLUDES PLUG-NUTS.												
1A	**5132422**	PLATE ASSY.	1	1	1	1	1	1	1	1			1	1
1A	**179839**	BOLT, 3/8"-16X1" (12.9001)											5	5
1A	**8927581**	BOLT, 3/8"-16X1.135" (12.9001)	5	5	5	5	5	5	5	5				
1A	**122408**	BOLT, 1/2"-13X1" (12.9001)		2	2	2	2	2	2	2			2	2
1A	**103321**	LOCKWASHER, 3/8" (12.9200)	5	5	5	5	5	5	5	5				
1A	**103323**	LOCKWASHER, 1/2" (12.9200)		2	2	2	2	2	2	2			2	2
1A	**5121459**	NUT, 3/8"-24 PLUG (1.1020)	1	1	1	1	1	1	1	1			1	1
		1.1020 - PLATE, CYLINDER BLOCK END-REAR												
		A PLATE ASSEMBLY INCLUDES PLUG NUTS.												
1A	**5102680**	PLATE ASSY. (LESS ACCESSORY HOLE)	1	1	1	1	1		1	1	1	2	1	1
1A	**5102639**	* PLATE ASSY. (LESS ACCESSORY HOLE)						1			1			
	5121459	PLUG, 3/8"-24 NUT	9	9	9	9	9	9	9	9	AR	18	9	9
1A	**179839**	BOLT, 3/8"-16X1" (12.9001)											8	8
1A	**8927581**	BOLT, 3/8"-16X1.135" (12.9001)	8	8	8	8	8	9	8	8	16	16		
1A	**103321**	LOCKWASHER, 3/8" (12.9200)	8	8	8	8	8	9	8	8	16	16		
		* WITH REINFORCED FLYWHEEL HOUSING FOR 16V.												
		1.1030 - GASKET, CYLINDER BLOCK END PLATE-FRONT												
1A	**5144901**	GASKET	1	1	1	1	1	1	1	1			1	1
1A	**5121835**	GASKET, 17/32" I.D.X1.12" O.D.	1	1	1	1	1	1	1	1			1	1
1A	**5102551**	GASKET (1.1032)					1				1	1		
		1.1032 - GASKET, CYLINDER BLOCK END PLATE-REAR												
1A	**5102551**	GASKET	1	1	1	1		1	1	1	1	1	1	1
1A	**5104507**	GASKET (END PLATE COVER) (1.5060)	1	1	1									

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 206	210	211	231	232	244	245	246	248	249	305	306
		1.1040 - COVER, CYLINDER BLOCK HAND HOLE												
1A	8925812	COVER, SMALL (W/1/8" TAP HOLE) (1.1077)	2		8	2	2	8	8	2	2	2		
1A	5132458	COVER, SMALL (W.B.P.) (PLAIN)											8	4
1A	8921151	COVER, PLAIN		7										
1A	8925813	COVER, LARGE (W.B.P.) (TWO 1/8" TAP HOLES) (1.1077)	2		2	2	2	2	2	2	2	2		
1A	5144186	COVER, LARGE (W.B.P.) (1/8" TAP HOLE)											2	2
	5180189	FLANGE		1										
	5132117	GASKET (1.1070)		8										
	105451	GASKET, 3/8" ANNULAR		8										
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)		1										
	8924380	PLUG, 1/8"-27 (W.B.P.) (12.9550)	2		1	2	4	2	2	2	2	2	2	4
	8923916	PLUG, 1/2"-14 (12.9550)		1										
	5142549	PLUG, 3/4"-14 (12.9550)		1										
	8925425	BOLT, 5/16"-18X.62" (12.9001)					10							
	8920631	BOLT, 5/16"-18X1" (12.9001)	10		22	10	10	22	22	10	10	10	22	14
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)		8										
	103341	WASHER, 3/8" (12.9190)		8										
		1.1050 - GASKET, CYLINDER BLOCK HAND HOLE COVER												
1A	8923792	GASKET, SMALL (W.B.P.)	4	4	8	2	2	8	8	2	2	2	8	4
1A	8923791	GASKET, LARGE (W.B.P.)	2	2	2	2		2	2	2	2	2	2	2
	8925423	SEAL, SMALL					2							
	8925424	SEAL, LARGE					4							
		1.1060 - COVER, CYLINDER BLOCK WATER HOLE												
	5117733	COVER, PLAIN	1	1	1	1	1	1	1	1			1	1
	5122961	COVER (LEFT BANK-FRONT)									1	1		
	5122962	& COVER (LEFT BANK-REAR)									1	1		
	8927580	BOLT, 3/8"-16X1.015" (12.9001)	4	4	4		4						4	4
	8921933	BOLT, 3/8"-16X.88" (12.9001)				4		4	4	4				
	179839	BOLT, 3/8"-16X1" (12.9001)									8	8		
	103321	LOCKWASHER, 3/8" (12.9200)									6	6		
	103341	WASHER, 3/8" (12.9190)	4	4	4	4	4	4	4	4				
	5152148	WASHER, 3/8"X9/16" COPPER (2.4050) & USED WITH CAB HEATER ON 6V.									2	2		
		1.1065 - COVER, CYLINDER BLOCK OIL HOLE												
	5108216	COVER (LEFT SIDE) (1.1001)									2	2		
	8921933	BOLT, 3/8"-16X.88" (12.9001)									4	4		
	103321	LOCKWASHER, 3/8" (12.9200)									4	4		
		1.1066 - GASKET, CYLINDER BLOCK OIL HOLE COVER												
	5117535	GASKET (4.4117)									2	2		
		1.1070 - GASKET, CYLINDER BLOCK WATER HOLE COVER												
	5117734	GASKET (REAR ON 16V)	1	1	1	1	1	1	1	1	1	1	1	1
	5117254	GASKET (FRONT ON 16V) (4.4230)									1	1		

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		1.1001 - BLOCK, CYLINDER														
	5199135	BLOCK ASSY. (W.B.P.) (6V)	1													
1A	**5199137**	BLOCK ASSY. (W.B.P.) (8V)		1												
	5199139	BLOCK ASSY. (W.B.P.) (12V)			1											
	5199143	@ BLOCK ASSY. (FRONT AND REAR COMBINED) (W.B.P.) (16V)				1										
1D	**5199144**	BLOCK ASSY. (FRONT BLOCK ONLY) (W.B.P.) (16V)				1	1									
1D	**5199145**	BLOCK ASSY. (REAR BLOCK ONLY) (W.B.P.) (16V)				1		1								
1A	**5199418**	BLOCK ASSY. (2.26" DIA. HEATER HOLE) (TURBO) (W.B.P.) (8V)							1							
	5145052	BLOCK ASSY. (2.26" DIA. HEATER HOLE) (TURBO) (W.B.P.) (12V)								1						
	8924480	BLOCK ASSY. (WITH CENTER-MOUNTED AIR HEATER HOLE) (TURBO) (W.B.P.) (12V)										1				
1A	**5199250**	BLOCK ASSY. (1.12" DIA. HEATER HOLE) (TURBO) (W.B.P.) (8V)									1					
1A	**5149272**	BLOCK ASSY. (TURBO W/AFTERCOOLER) (W.B.P.) (8V)											1			
	8924119	BLOCK ASSY. (TURBO WITH AFTERCOOLER) (W.B.P.) (6V)												1		
	5117502	CAP, CRANKSHAFT MAIN BEARING (UNFINISHED) (1.3110)	4	5	7	10	5	5	5	7	5	7	5	4		
	5196317	CAP, CRANKSHAFT MAIN BEARING (FINISHED) (1.3110)	4	5	7	10	5	5	5	7	5	7				
	5116353	BOLT, CRANKSHAFT MAIN BEARING CAP (1.3140)	8	10	10	12	6	6	6	14	6	14	14	8		
	5102374	BOLT, CRANKSHAFT MAIN BEARING CAP (1.3140)			4	8	4	4	4		4	4	4	4		
	5102373	WASHER, CRANKSHAFT MAIN BEARING CAP BOLT (1.3140)	8	10	14	20	10	10	10	14	10	14	10	8		
	5121182	PLUG, 1/4" (2.4015)	2	2	2	2			2		2		3	3		
	8924141	PLUG, 1/4" (12.9550)	2									2	5	2		
	5125237	PLUG, 1/4" (1.2001)												2		
	8923847	PLUG, 1/4"-18, 7/8" TAPPER (4.7001)	9									2	9	10		
	5123862	PLUG, .340" TO .358" DIA. SPECIAL												2		
	8924517	PLUG, 3/8"-18 (12.9550)	1	1	1	1			2		2	1	3	1		
	5150131	PLUG, 7/16" CUP (SPECIAL)				4										
	8923916	PLUG, 1/2"-14 (12.9550)	6	3	8	6	3	3	4		4	7	6	6		
	9421746	PLUG, 9/16" CUP (9.3550)			2							2				
	9428477	PLUG, 15/16" CUP (2.7340)	1	1	1	1			1		1	1	1	1		
	8925715	PLUG, 5/8"-11X1/2" (12.9550)	10	20	6	31	18	18	20		20		14	10		
	8923313	PLUG, 3/4"-14 PIPE (12.9550)	6									6	6	6		
	5142549	PLUG, 3/4"-14 (12.9550)				2			1		1		4	6		
	5106845	PLUG, 3/4"-10 O.D.X5/16"-18 I.D.										1				
	5140081	PLUG, 3/4"X3/8" RED.				1										
	8924750	PLUG, 1.2386" DIA.; 7/8" TAPER (12.9550)	11	10	12	6	3	3	10	12	10	12	13	11		
	5139988	PLUG, 1" CUP (STAINLESS)	5	5	1	8	1	5	5		5	1	5	5		
	5127196	PLUG, 1" EXT. X 7/8"-14 INT. THD. (1.1003)				2	1	1								
	5127197	PLUG, 1" EXT. X 3/4"-10 INT. THD. (1.5001)				2	1	1								
	8924751	PLUG, 1 1/4" (12.9550)	1	1	1	2	1	1	1	1	1	1	1	1		
	5150014	PLUG, 1 1/4" CUP (CORE HOLE)				2										
	5126389	# PLUG, VENT 2" DIA. WITH 1/4" TAP HOLE (1.2001)		1					1		1					
	5132410	PLUG, 1 5/8" CUP (STAINLESS)	2	2	2	4	2	2	2	2	2	2	2	2		
	5117186	PLUG, 2" CUP (STAINLESS) (1.2001)	10	12	16	24	12	12	12	16	12	16	12	10		
	9427705	* PLUG, 2 1/8" CUP	10	12	16	24	12	12	12	16	12	16	12	10		
	5144559	* PLUG, 2 1/4" CUP	10	12	16	24	12	12	12	16	12	16	12	10		
	5139989	PLUG, 2 1/2" CUP	10	11	12	24	12	12	11	12	10					
	8926964	PLUG, 2 1/2"-16 (SPECIAL)	2	2	4	4	2	2	2	4	2	4	2	2		

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		1.1001 - BLOCK, CYLINDER (CONT'D)														
	5106826	NUT, 5/16"-18 RIVET-C/SUNK HD.										1				
	5138659	GASKET (2 1/2"-16 (PLUG)	2	2	4	4	2	2	2	4	2	4	2	3		
	5101033	ADAPTOR (THREADED)											2	1		
	5103045	PIN, 5/16"X7/16" DOWEL	3	3	4	6	3	3	3		3	4	3	3		
	5123239	& PIN, SPRING (1" LONG)	1	1	1				1		1					
	103195	STUD, 3/8"X1 7/16" (4.4050)				4	2	2								
	8924140	DRAINCOCK, 1/4" (12.9510)	2			4								2		
	5140082	GASKET (ALUMINUM, WITH 5140081 PLUG)				1										
7C	**5103930**	BEARING, CAMSHAFT END (1.7010)				2	2	2								
7C	**5117649**	BOLT, CAM INTER-BEARING LOCK (1.7050)				2	2	2								
	5122961	COVER, WATER HOLE (FRONT) (1.1060)				1										
	5122962	COVER, WATER HOLE (REAR) (1.1060)				1										
	5108216	COVER, OIL HOLE				2										
	5117254	GASKET, WATER HOLE (4.4230)				1										
	179838	BOLT, 3/8"-16X7/8" (12.9001)				4										
	179839	BOLT, 3/8"-16X1" (12.9001)				8										
	5152148	WASHER, 3/8" COPPER (2.4050)				2										
	103321	LOCKWASHER, 3/8" (12.9200)				8										
	9409620	BOLT, 7/16"-14X1 1/8" (1.3112)		3	3	6			3		3					
	5104503	WASHER, CAM. INTER. BEARING BOLT						2								
	5125608	WASHER, 7/16" (1.3112)		3	3	6			3		3					
	8927270	STUD, 3/8"-16/24X1.62" (12.9117)	2	2	2				2		2	2	2	2		
	103197	STUD, 3/8"-16-24X1 13/16" (12.9117)			2	2										
	8920631	STUD, 5/16"-18X1" (12.9001)	10	14	22	28	14	14	14		14	22	14	10		
	141346	PIN, 3/16"X1/2" DOWEL (12.9290)	4	4	4	4		4	4		4	4	4	4		
	5151576	PIN, 1/2"X1 3/8" DOWEL	4	4	4	4	2	2	4		4	4	4	4		
	5121182	PLUG, 1/4" (2.4015)	9	3					3		3					
	5154319	PLUG, 1/4"X5/16" (SPECIAL)	1	1	1	2			1	1	1	2	1	1		
	5145014	PLUG, 3/8" (12.9550)						1								
	5150131	PLUG, 7/16" CUP					2	2								
	9428477	PLUG, 15/16" CUP (2.7340)						2					1			
	5150014	PLUG, 1 1/4" CUP		1			1	1	1		1					
	5140082	GASKET, 1.06" I.D., 1.25" O.D.						1								
	5140081	PLUG, 3/4"X3/8" RED.						1								
	8924140	DRAINCOCK, 1/4" (12.9510)	2	2	2		2	2	2		2	2	2			
	8925710	DRAINCOCK, 3/8" (12.9510)	1	1	1				1		1	1	1	1		

@ NOT SERVICED; USE 5199144 FRONT AND 5199145 REAR ASSEMBLIES. REFER TO 1.1003 FOR ATTACHING PARTS.

MAY BE REQUIRED FOR SOME AIR COMPRESSOR OR OIL COOLER GROUPS.

* REPLACES 5117186 PLUG WHEN REQUIRED FOR OVERSIZE HOLES.

& OBSOLETE, NO REPLACEMENT.

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1.1000 CYLINDER BLOCK

PART FIG	NUMBER	NAME AND DESCRIPTION	COLUMN

1.1001 - *BLOCK, CYLINDER*
(CONT'D)

* REPLACES 5117186 PLUG WHEN REQUIRED FOR OVERSIZE HOLES.
& OBSOLETE, NO REPLACEMENT.

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1.1000A AIR BOX DRAINS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 34	37	38	39	42	45	47	54	56	64	65	67
		1.1100 - TUBE, AIR BOX DRAIN												
	5176836	# TUBE (DEV. L. 7.25") (1.1130)						1						
	5138341	# * TUBE (DEV. L. 9.56") (1.1130)								4				
	5125739	# TUBE (DEV. L. 8.56")										1	1	
	5117907	# TUBE (DEV. L. 10.76")	2				1	1				4		
	5121598	# TUBE (DEV. L. 12.24")		1	2	2			3		3		1	
	5117128	# TUBE (DEV. L. 13.90")		1		2					1		2	
	5100327	# TUBE (DEV. L. 17.30")									1			
	5140975	# TUBE (DEV. L. 20")												4
	116341	# ELBOW, 5/16"-45 DEG. INV. FL. TUBE (12.9480)									1			
	225815	# ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	2	2	2			2		4		2		4
	225815	# ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)				4	4		4		3		4	
	5145009	# PLUG, 1/8" PIPE (CTR. HOLES) (12.9550)		2	2			2		4	4			
	137398	NUT, 5/16" INV. FL. TUBE (12.9500)		1	2	2		1	3	4	7		2	
		* NO LONGER AVAILABLE FOR SERVICE.												
		# FIGS. 1R, 1S, 1T OF 1.1000.												
		1.1145 - CLIP, AIR BOX DRAIN TUBE												
	5140667	# CLIP								4				4
	5159490	# CLIP (7.4076)										1		
	5178595	# BRACKET, CLIP (2.5030)										1		
	179816	# BOLT, 5/16"-18X3/4" (12.9001)										1		
	120393	# WASHER, 5/16" (12.9190)										1		
	103320	# LOCKWASHER, 5/16" (12.9200)										1		
	123197	NUT, 5/16"-18 HEX. (12.9120)										1		
		# FIGS. 1A, 1R, 1S, 1T OF 1.000.												

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1.1000A AIR BOX DRAINS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 69	74	76	91	92	97	100	101	102	103	104	105
		1.1100 - TUBE, AIR BOX DRAIN												
	5138341	# * TUBE (DEV. L. 9.56") (1.1130)				3								
	5117907	# TUBE (DEV. L. 10.76")		1			1	1						
	5136229	# TUBE (DEV. L. 10.88")			2									
	5141673	# TUBE (DEV. L. 11.36")					1							
	5144320	# TUBE (DEV. L. 12.19")							1	1			1	
	5121598	# TUBE (DEV. L. 12.24")		2										
	5134537	# TUBE (DEV. L. 12.72")	2											
	5117128	# TUBE (DEV. L. 13.90")		2										
	5144369	# TUBE (DEV. L. 14.48") (LEFT FRONT)							1	1			1	
	5144327	# TUBE (DEV. L. 15.60")							2	2	2	2	2	2
	5140975	# TUBE (DEV. L. 20")				1								
	191559	# CONNECTOR, 5/16" INV. FL. TUBE (12.9460)			2									
	442322	# CONNECTOR, 5/16" TUBE, 1/8" PIPE (12.9460)							1	1			1	
	2140049	# VENT ASSY.			2									
	225815	# ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	2	4	2	4	2	4	3	1	2		3	2
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)										2		
	5145009	# PLUG, 1/8" PIPE (CTR. HOLES) (12.9550)	2		2	4								
	137398	NUT, 5/16" INV. FL. TUBE (12.9500)		6		6		4	3	1			3	
		* OBSOLETE.												
		# FIGS. 1E, 1F, 1G OF 1.000.												
		1.1145 - CLIP, AIR BOX DRAIN TUBE												
	5140667	# CLIP				4								
	5163442	# CLIP (2.9428)			2									
	5176668	# CLIP (1.1100)								1				2
	3290459	# CLIP (2.5220)									1			
	5182629	# CLIP (12.4080)							1	1	1			
	179835	# BOLT, 3/8"-16X5/8" (12.9001)			1				1	1	2			
	103321	# LOCKWASHER, 3/8" (12.9200)			AR				AR	AR	AR			
		# FIGS. 1A, 1E, 1F, 1G OF 1.1000.												

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1.1000A AIR BOX DRAINS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 106	108	111	123	125	126	127	128	133	134	142	143
		1.1100 - TUBE, AIR BOX DRAIN												
	5107259	# TUBE (DEV. L. 9.64")									1			
	5108667	# * TUBE (DEV. L. 5.30")		2										
	5104367	# TUBE (DEV. L. 21.00")						1	1					
	5107257	# TUBE (DEV. L. 8.51")									1			
	5144327	# TUBE (DEV. L. 15.60")							1	1				
	5136229	# TUBE (DEV. L. 10.88")	2											
	5107255	# TUBE (DEV. L. 17.55")									1			
	5144320	# TUBE (DEV. L. 12.19")				1								
	5104510	# TUBE (DEV. L. 9.25")						1						
	5104371	# TUBE (DEV. L. 15.18")					1			1				
	5107258	# TUBE (DEV. L. 5.07")				1								
	5144772	# TUBE (DEV. L. 19.25")			2									
	5104386	# TUBE (DEV. L. 11.70")					1							
	5107254	# TUBE (DEV. L. 15.72")									1			
	5107256	# TUBE (DEV. L. 11.82")									1			
	8921877	# TUBE (DEV. L. 18.72")											2	1
	5108666	# * TUBE (DEV. L. 22.54")		2										
	8921844	# TUBE (DEV. L. 18.03")											2	1
	5113689	# HOSE (3/8" X 6.50" L.) (7.4699)										2		
	5113689	# HOSE (3/8" X 10" L.) (7.4699)										1		
	5113689	# HOSE (3/8" X 12" L.) (7.4699)										1		
	2140049	# VENT ASSY.	2											
	8996207	# VALVE ASSY.					2	2	1	1	2	2	4	2
	5104370	# ADAPTOR					2	2	1	1				
	5114049	# FITTING, 3/8" HOSE INV. FL. TUBE (2.5010)										6		
	5113191	# FITTING, 3/8" HOSE FEM. (12.6692)										2		
	444287	# NIPPLE, 1/4" (12.9560)					2	2	1	1			4	2
	9432245	# ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)			2				1	1				
	225815	# ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	2	4		2								
	143338	# ELBOW, 3/8"-45 DEG. (12.9480)										1		
	444148	# TEE, 1/4" PIPE (12.9616)					2	2	1	1	2		4	2
	442329	# CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	2											
	442323	# CONNECTOR, 3/8" INV. FL. TUBE									3	1		
	193004	# ELBOW, 3/8" 90 DEG. INV. FL. TUBE									1	4		
	5121182	# PLUG, 1/4" PIPE (12.9550)					2	2	1	1			4	2
	5151921	# WASHER, 9/16" X 13/16" (7.8050)					4	4	2	2				
		* NOT SERVICED, CUSTOMER TO FABRICATE. REFER TO SECTION 12.8000B.												
		# FIGS. 1A, 1E, 1F, 1G OF 1.1000.												
		1.1115 - KIT, AIR BOX DRAIN W/CHECK VALVE AN AIR BOX DRAIN KIT CONSISTS OF NECESSARY ITEMS TO ROUTE THE DRAIN INTO THE CRANKCASE.												
	5149519	KIT, AIR BOX DRAIN (6V)					AR			AR				
	5149520	KIT, AIR BOX DRAIN (8V)						AR	AR					
		1.1120 - TUBE, AIR BOX DRAIN HAND HOLE COVER												
	5144186	COVER									2			
	5145009	PLUG, 1/8" PIPE (12.9550)									2			
	9432248	ELBOW, 3/8"-90 DEG. (12.9380)									4			

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1.1000A AIR BOX DRAINS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 106	108	111	123	125	126	127	128	133	134	142	143
		1.1145 - CLIP, AIR BOX DRAIN TUBE												
1E	**5151883**	CLIP, 3/8" (2.5070)					1	1	1	1			4	2
1E	**5163442**	CLIP	2											
1E	**2362448**	CLIP, 1/2" (12.8554)										2		
1E	**5167116**	CLIP, 5/16"		2										
1E	**5146788**	CLIP, 13/16"									2			
1E	**5160629**	SPACER, 13/32" X 7/32" (4.2270)	2											
1E	**5159347**	SPACER, 13/32" X 3/4" X 1/2" (7.1581)										2		
1E	**5196119**	SPACER (3.4001)					1	1	1	1				
1E,1F	**179833**	BOLT, 3/8"-16X1/2" (12.9001)		2										
1E,1F	**179838**	BOLT, 3/8"-16X7/8" (12.9001)	2											
1E,1F	**179839**	BOLT, 3/8"-16 X 1" (12.9001)									2	1		
1E,1F	**186622**	BOLT, 3/8"-16 X 1 1/4" (12.9001)										1		
1E,1F	**186628**	BOLT, 3/8"-16 X 1 1/2" (12.9001)					1	1	1	1				
1E,1F	**179848**	BOLT, 3/8"-16 X 2 1/4" (12.9001)										1		
1E,1F	**5151921**	WASHER (7.8050)					4	4	2	2				
1E,1F	**103341**	WASHER, 3/8" (12.9190)					1	1	1	1				
1E,1F	**103321**	LOCKWASHER, 3/8" (12.9200)	1	2							2	2		
		1.1150 - TANK ASSY., AIR BOX AND FUEL PUMP DRAIN												
		INCLUDES ITEMS IN 1.1160 THRU 1.1230.												
	1595056	TANK ASSY.		2										
	9413261	TEE, 5/16" TUBE (12.9490)		2										
	5121182	PLUG, 1/4" PIPE (12.9550)		2										
	114981	DRAINCOCK, 1/8" (12.9510)		2										
	106284	BOLT, 3/8"-24X5/8" (12.9001)		4										
	103341	WASHER, 3/8" FLAT (12.9190)		4										
	103321	LOCKWASHER, 3/8" (12.9200)		4										
		1.1160 - COVER ASSY., DRAIN TANK												
	5571744	COVER ASSY.		2										
		1.1170 - SHELL, DRAIN TANK												
	5570049	@ SHELL		2										
		@ NO LONGER AVAILABLE FOR SERVICE. CONVERT TO 5574785 TANK ASSEMBLY.												

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1.1000A AIR BOX DRAINS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 106	108	111	123	125	126	127	128	133	134	142	143
		1.1180 - ELEMENT, DRAIN TANK												
	1595868	ELEMENT		2										
		1.1190 - TUBE, DRAIN TANK RETAINER												
	1595059	TUBE		2										
		1.1200 - RING, DRAIN TANK BASE												
	853487	* RING * NO LONGER AVAILABLE FOR SERVICE.		2										
		1.1210 - GASKET, DRAIN TANK BASE RING												
	5572284	* GASKET * NO LONGER AVAILABLE FOR SERVICE.		2										
		1.1220 - RING, DRAIN TANK RETAINER												
	1504083	RING		2										
		1.1230 - GASKET, DRAIN TANK RETAINER BOTTOM												
	6437298	GASKET		2										
		1.1240 - BRACKET, DRAIN TANK MOUNTING												
	5108495	BRACKET		2										
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)		4										
	103321	LOCKWASHER, 3/8" (12.9200)		4										

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1.1000A AIR BOX DRAINS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 149	150	153	157	158	159	161	162	164	180	187	191	195
		1.1100 - TUBE, AIR BOX DRAIN													
	5144327	# TUBE (DEV. L. 15.60")	1			1	1			1				2	1
	8921844	# TUBE (DEV. L. 18.03")	1								2		1		
	5104510	# TUBE (DEV. L. 9.25")		2				1							
	5104367	# TUBE (DEV. L. 21.00")		1				1							
	5136229	# TUBE (DEV. L. 10.88")			1										
	8921434	# TUBE (DEV. L. 10.71")		1				1							
	5100184	# TUBE (DEV. L. 13.24")			1										
	5144369	# + TUBE (DEV. L. 11.80")				1									
	5144320	# + TUBE (DEV. L. 12.19")				1	1								
	8921877	# TUBE (DEV. L. 18.72")						1			2		2		
	8925874	# TUBE ASSY. (DEV. L. 12.30") (INCLUDES NUT)												1	2
#	5113689	HOSE #6 (CUSTOMER TO CUT & USE 6 1/2" LENGTH) (7.4699)										2			
	5113689	# HOSE #6 (CUSTOMER TO CUT & USE 10" LENGTH)										1			
	5113689	# HOSE #6 (CUSTOMER TO CUT & USE 12" LENGTH) (7.4699)							1	1		1			
#	5113689	HOSE #6 (CUSTOMER TO CUT & USE 17" LENGTH (7.4699)											1		
	5104370	# ADAPTOR (4.6020)		4				3							
	2140049	# VENT			2										
	442329	# CONNECTOR, 5/16" INV. FL. TUBE (12.9460)			2										
	8925609	# CONNECTOR, 5/16" INV. FL. TUBE (12.9460)				1	1								
	8924171	# CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1			
	8924180	# NIPPLE, 1/4" (12.9560)	1	4				4	2	1	4		3		
	105404	# NIPPLE, 1/4" (12.9560)											1		
#	8924142	BUSHING, 1/4"X1/8" RED. (12.9570)											1		
1E,F	8996207	VALVE ASSY.	1	4				4							
1E,F	25042692	CHECK VALVE ASSY.							2	1	4	2	4		
	8925726	# ELBOW, 1/8"-45 DEG. (12.9590)											1		
#	8924153	ELBOW, 5/16"-90 DEG. (12.9480)			2	2								1	3
	8924215	# ELBOW, 5/16"-90 DEG. (12.9480)	1				1			1				1	
	8925030	# ELBOW, 3/8"-90 DEG. (12.9480)										4			
#	8924161	ELBOW, 3/8"-45 DEG. (12.9480)										1			
	8924178	# TEE, 1/4" PIPE (12.9616)	1	4				4	2	1	4		4		
	5108193	# UNION (12.9475)		3											
	8924380	# PLUG, 1/8"-27 PIPE (12.9550)				1								1	1
	5121182	# PLUG, 1/4" PIPE (2.4015)	1	4				4							
1E,F	8923847	PLUG, 1/4" PIPE (4.7001)							2	1	4		4		
	5113191	# FITTING, HOSE SWIVEL 5/8"-18 (12.6692)							2	1		2	1		
	5114049	# FITTING, HOSE 5/8"-18 (2.5010)										6			
	9433438	# NUT, 3/8" FL. TUBE (12.9400)		3				4			4		2		
		# FIGS. 1A, 1E, 1F, 1G OF 1.1000.													
		+ NOT SERVICED. FOR SERVICE USE 8925874 TUBE. TO ENSURE INTERCHANGEABILITY USE 1-8925813 COVER, 2-8925424 S EALS AND 3-8925425 BOLTS.													
		1.1120 - TUBE, AIR BOX DRAIN-HAND HOLE COVER													
	5144186	COVER (1.1040)				1									
	8925813	COVER (LARGE) (1.1077)											1	1	1

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1.1000A AIR BOX DRAINS

1.1145 - CLIP, AIR BOX DRAIN TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 149	150	153	157	158	159	161	162	164	180	187	191	195
1E	**5151883**	CLIP, 3/8" (2.5070)	1	1				2		1	4		3		
1E	**5163442**	CLIP, 1/4"			2				2	1			1		
1E	**2488022**	CLIP, .562" DIA. (12.8554)										2			
	5151189	CLIP, 3/4" SPECIAL (4.8040)											1		
	5177331	BRACKET, CLIP (4.8042)													
1E	**5196119**	SPACER (3.4001)		1				1				2			
	5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)										1			
	8927581	BOLT, 3/8"-16X1.135" (12.9001)			1								1		
1E,F	**179835**	BOLT, 3/8"-16X5/8" (12.9001)							2	1					
	8927578	BOLT, 3/8"-16X.755" (12.9001)										1			
1E	**179838**	BOLT, 3/8"-16X7/8" (12.9001)						1							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							2	1		1			
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)										1			
1E,F	**186628**	BOLT, 3/8"-16X1 1/2" (12.9001)		1				1							
1E,F	**5151921**	WASHER (7.8050)		8				6							
1E,F	**103341**	WASHER, 3/8" (12.9190)		1				1	2	1			1		
1E,F	**103321**	LOCKWASHER, 3/8" (12.9200)			1				2	1		2	1		
	102635	NUT, 3/8"-16 (12.9120)											1		

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1.1000A AIR BOX DRAINS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1961	1971	2003
		1.1100 - TUBE, AIR BOX DRAIN			
#	**5144327**	TUBE (DEV. L. 15.60")	3		
#	**8925874**	TUBE ASSY. (DEV. L. 12.30") (INCLUDES NUT)	1		
#	**5113689**	HOSE #6 (CUSTOMER TO CUT & USE 10" LENGTH) (7.4699)		1	1
#	**5113689**	HOSE #6 (CUSTOMER TO CUT & USE 12" LENGTH) (7.4699)		1	
	5108889	HOSE, 3/8"X6 1/2" L. (12.6845)			1
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1
#	**8924180**	NIPPLE, 1/4" (12.9560)		2	2
1E,F	**8996207**	VALVE ASSY.		2	
	25042692	VALVE ASSY., 4 PSI			2
#	**8924168**	ELBOW, 1/4"-90 DEG. (12.9590)		1	
#	**8924215**	ELBOW, 5/16"-90 DEG. (12.9480)	1		
#	**8924153**	ELBOW, 5/16"-90 DEG. (12.9480)	1		
#	**8924215**	ELBOW, 5/16"-90 DEG. (12.9480)	2		
#	**8924161**	ELBOW, 3/8"-45 DEG. (12.9480)		2	
	8925030	ELBOW, 3/8"-90 DEG. (12.9480)			1
#	**8924178**	TEE, 1/4"-18 PIPE (12.9616)		1	2
	8925720	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)			1
#	**8924380**	PLUG, 1/8"-27 PIPE (12.9550)	1		
#	**8923847**	PLUG, 1/4" PIPE (4.7001)		1	2
#	**5113191**	FITTING, HOSE SWIVEL 5/8"-18 (12.6692)		2	2
#	**5114049**	FITTING, HOSE 5/8"-18 (2.5010)		2	2
		1.1120 - TUBE, AIR BOX DRAIN-HAND HOLE COVER			
	8925813	COVER (LARGE) (1.1077)	1		

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 27	28	29	33	35	37	39	41	44	53	56	65
		1.2001 - HEAD ASSY., CYLINDER												
		FOR COMPONENTS OF SERVICE CYLINDER HEAD ASSEMBLIES REFER TO ASSEMBLY BREAKDOWN, PAGE A1.												
2A	**5197420**	* HEAD ASSY. (4 VALVE) (5102769) (6V)	2											
2A	**5198571**	* HEAD ASSY. (4 VALVE) (5102771) (8V)		2		2			2					2
2A	**5102770**	HEAD ASSY. (4 VALVE OR TURBO) (12V)			2							2		
2A	**5102771**	*HEAD ASSY. (4 VALVE OR TURBO) (8,16)*						4					4	
	5198218	HEAD ASSY. (2 VALVE) (6V)								2				
	5198219	HEAD ASSY. (2 VALVE) (12V)									2			
2A	**5197420**	* HEAD ASSY. (4 VALVE) (RIGHT BANK) (5102769) (6V)					1							
2A	**5102769**	HEAD ASSY. (4 VALVE) (LEFT BANK)(6V)					1							
2A	**5199719**	+ HEAD ASSY. (4 VALVE) (NON-TURBO) (COMPLETE) (8V)		2		2			2					
2A	**5199717**	% *HEAD ASSY. (4 VALVE) (NON-TURBO)* (COMPLETE) (12V)									2			
	5197030	KIT, WATER CONNECTION (INCLUDES (1) 5127842 ADAPTOR, (1) 5127843 HOSE, AND (2) *9414420 CLAMP*						AR					AR	
2C	**5127842**	NIPPLE, HOSE (BETWEEN CYLINDER HEAD).						4					4	
2C	**5127843**	HOSE (3/8" I.D.X1.48" L.)						2					2	
2C	**5146838**	CLAMP, *1/2" HOSE I.D. (12.9660)*						4					4	
	5144358	CONNECTOR ASSY., FUEL (INCLUDES (1) EACH 5144955 ADAPTOR, 8924202 CONNECTOR ASSY. AND 5144424 SEA L RING)						AR					AR	
2C	**8924202**	CONNECTOR ASSY. 5/16" O.D. TUBE (12.9415)						4					4	
2C	**5144955**	ADAPTOR, 1/4" PIPE (2.20"L.)						4					4	
2C	**5144424**	RING, SEAL *1/4" TUBE (12.9435)*						4					4	
2A	**5117344**	# PLATE, WATER OUTLET PORTS		8			6		8		12		8	
2A	**8927270**	# STUD, 3/8"-16-24X1.62" (12.9117)		16	16	16	12	32			24	16	32	
	5101377	BOLT, 3/8"-16X1" W/SEAL PATCH (5.2020)		16										16
2A	**5150361**	# GASKET, WATER OUTLET PORT PLATES (5.2010)		8			6		8		12			8
2A	**5121182**	PLUG, 1/4"-18 PIPE (2.4015)	14	18	13	20	14	36	18	14	14	26	36	19
2A	**5125237**	PLUG, *1/4" HEX. SKT.*	6	10	5	12	5	12	10	6	5	8	14	10
	8924517	PLUG, 3/8"-18 PIPE (12.9550)	4	5	5	5	4	8	5	5	5	5	14	5
2A	**5154453**	PLUG, 3/8"-16	8	8	8	12	24	30	12	8	8	8	24	12
2A	**5178976**	PLUG, 7/16"-14 (1.3160)	8	8	6	8	8	14	8	8	8	14	16	8
2A	**5150132**	PLUG, 3/4" DIA. *CUP (1.1001)*	2	4	4	2	2	8	4	2	4	6	4	4
2C	**5126389**	PLUG, 2" VENTING, 1/4" & 3/8" NPTF TAPPED HOLES				2		6					6	2
2A	**5117186**	PLUG, 2" DIA. CUP	2	2		2	2	2	2	2	2		2	
	5142335	@ PLUG, SPECIAL ADAPTOR VENT				2								
	5152148	WASHER, 3/8"X9/16" COPPER (2.4050)		16					16		24			16

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 27	28	29	33	35	37	39	41	44	53	56	65
		1.2001 - HEAD ASSY., CYLINDER (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)					12		16		24			
	103026	NUT, 3/8"-24 (12.9120)		16			12		16		24			
		* NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES AND INCLUDE ITEMS MARKED #.												
		@ NOT SERVICED, USE 5103922 FOR 3/8" TAP OR 5126389 FOR 1/4" TAP HOLE												
		+ OBSOLETE. NO REPLACEMENT.												
		% NOT SERVICED. FOR SERVICE USE COMPONENTS ON PAGE A1.												
		1.2002 - GASKET KIT, CYLINDER HEAD OVERHAUL												
	5196380	GASKET KIT (6V)	AR				AR			AR				
	5196381	GASKET KIT (8-16V)		AR		AR		AR	AR				AR	AR
	5196382	GASKET KIT (12V)			AR						AR	AR		
		1.2010 - GASKET, CYLINDER HEAD COMPRESSION												
1A	5183330	* GASKET	6	8	12	8	6	16	8	6	12	12	16	8
		* NOT SERVICED, USE 5103659 (GREEN COLOR CODE IDENTIFICATION) AND CHANGE OUT ALL CYLINDERS.												
		1.2020 - GASKET SET, CYLINDER HEAD OIL												
1A	5119972	RING, SEAL	2				2			2				
1A	5119973	RING, SEAL		2		2		4	2				4	2
1A	5119974	RING, SEAL			2						2	2		
	5186579	RING, SEAL (WATER HOLE)	8	12	20	12	8	24	42	8	20	20	24	12
	5186577	RING, SEAL (END WATER HOLES)	6	6	6	6	6	12	6	6	6	6	12	6
		1.2022 - GASKET, CYLINDER HEAD WATER AND OIL												
	5183305	GASKET	2	2	2	2	2	4	2	2	2	2	4	2
		1.2030 - STUD, CYLINDER HEAD												
1A	5183329	STUD, 5/8"-11X6 3/8"	6	4		4	6		4					
	5117003	BOLT, 5/8"-11X5 3/8"	10	16	28	16	10	40	16	16	28	28	10	20
		1.2040 - NUT, CYLINDER HEAD STUD												
2A	5150013	NUT, 5/8"-18	6	4		4	6		4					
		1.2045 - TUBE, INJECTOR HOLE												
2A	8925981	KIT, INJECTOR HOLE TUBE (INCLUDES SEAL RING 5104701) TUBE IS STAMPED "606" FOR IDENTIFICATION	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 27	28	29	33	35	37	39	41	44	53	56	65
		1.2050 - COVER, CYLINDER HEAD GOVERNOR HOLE												
2A	**5150268**	COVER (PLAIN)	6	6	6	6	6	12	6	6	6	6	12	6
2A	**5131486**	COVER (1/4" TAPPED HOLE) (7.4597)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5104089	BOLT, 1/4"-20X1/2" W/SEAL PATCH (12.9001)	12	12	12	12	12	24	12	12	12	12	24	12
2A	**186676**	BOLT, 1/4"-20X5/8" (12.9001)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
2A	**120392**	WASHER, 1/4" ZINC (12.9190)	12	12	12	12	12	24	12	12	12	12	24	12
2A	**5179709**	WASHER, 1/4" COPPER (2.7175)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.2060 - GASKET, CYLINDER HEAD GOVERNOR HOLE COVER												
2A	**5123812**	GASKET	6	6	6	6	6	12	6	6	6	6	12	6
		1.2067 - BRACE, ENGINE FRONT COVER SUPPORT												
		THESE ITEMS NOT REQUIRED ON HEAT EXCHANGER UNITS.												
	5130017	BRACE, FRONT (4.32"L.) (5.4390)						1					1	
	5130030	BRACE, REAR (4.88"L.) (5.4390)						2					2	
	5130018	BRACE, FRONT (5.52"L.) (5.4390)						1					1	
	5151449	PLUG, 13/16" (1.2001)						2					2	
	180016	BOLT, 1/4"-20X1/2" (12.9001)						4					4	
	8927580	BOLT, 3/8"-16X1.015" (12.9001)						4					4	
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)						2					2	
	5179709	WASHER, 17/64" I.D.X1/2" O.D.X.065" THK COPPER (2.7175)						4					4	
	103322	LOCKWASHER, 7/16" (12.9200)						2					2	

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 77	95	96	100	102	124	130	144	146	158	219	220
		1.2001 - HEAD ASSY., CYLINDER												
		• FOR TYPE 97 USE TYPE 29.▪ FOR COMPONENTS OF SERVICE CYLINDER HEAD ASSEMBLIES REFER TO ASSEMBLY BREAKDOWN, PAGE A1.												
	5198216	HEAD ASSY., 2 VALVE (8V)										2		2
	5198216	HEAD ASSY., 2 VALVE (16V)									4		4	
2A	5198571	* HEAD ASSY., 4 VALVE (8V)	2											
2A	5102770	HEAD ASSY., 4 VALVE TURBO (12V)		2	2				2					
2A	5102771	HEAD ASSY., 4 VALVE TURBO (8, 16V)								4				
2A	5102769	HEAD ASSY., 4 VALVE (6V)				2								
2A	5102769	HEAD ASSY., 4 VALVE TURBO (6V)					2							
	NPN	HEAD ASSY., 4 VALVE (12V)						2						
	5197030	KIT, WATER CONNECTION (INCLUDES 1-5127842 ADAPTOR, 1-5127843 HOSE AND 2-9414420 CLAMP								AR	A R			
2C	5137883	HOSE, #5 X 9.5" (2.5149)		2	2									
	5117721	HOSE, 1/4"X20 1/2" MANIFOLD BREATHER (9.4016)							2					
2C	5127843	HOSE, 3/8" I.D. X 1.48" L.								2	2		2	
	5189294	FITTING, INV. MALE 1/2"-20 (5.7100)							2					
2C	5127842	NIPPLE, HOSE (BETWEEN CYLINDER HEAD)								4	4		4	
	140571	CLIP, CLOSED 1/2" (12.9630)							2					
	5178595	BRACKET, TUBE CLIP (2.5030)							2					
2C	5146838	CLAMP, 1/2" HOSE I.D. (12.9660)								4	4		4	
	5144358	CONNECTOR ASSY; FUEL (INCLUDES (1) EACH 5144955 ADAPTOR, 8924202 CONNECTOR ASSY. & 5144424 SEAL R ING)								AR				
2C	8924202	CONNECTOR ASSY., 5/16" O.D. TUBE (12.9415)								4				
2C	5144955	ADAPTOR, 1/4"								4				
2C	5144424	RING, SEAL 1/4" (12.9435)								4				
2A	5117344	# PLATE, WATER OUTLET PORTS	8			6	6			8		8		8
2A	8927270	# STUD, 3/8"-16-24X1.62" (12.9117)	8	24	24			24	24	32	32		32	
	5101377	BOLT, 3/8"-16X1" W/SEAL PATCH (5.2020)				12	12					16		16
2A	5150361	# GASKET, WATER OUTLET PORT PLATES (5.2010)	8			6	6					8		8
2A	5121182	PLUG, 1/4"-18 PIPE (2.4015)	20	13	13	14	14	13	13	36	36		36	18
2A	5125237	PLUG, 1/4" HEX. SKT.	11	5	5	6	10	5	5	20	20		20	10
	8923847	PLUG, 1/4" PIPE (4.7001)										28		
	8924517	PLUG, 3/8"-18 PIPE (12.9550)	5	5	5	5	5	5	5	12	12	6	12	6
2A	5154453	PLUG, 3/8"-16	12	8	8	16	8	8	8	20	30	12	30	12
2A	5178976	PLUG, 7/16"-14 (1.3160)	8	14	6	8	8	14	6	16	14	8	14	8
2A	5150132	PLUG, 3/4" DIA. CUP (1.1001)	4	2	4	4	4	2	4	4	8	4	8	4
	5151449	PLUG, 13/16" DIA. CUP								2				
2A	5117186	PLUG, 2" DIA. CUP				2	2			2	2	2	2	2
2C	5126389	PLUG, 2" VENTING, 1/4" & 3/8" NPT.				1				6	6		6	
	5103922	PLUG, 2" VENTING, 3/8" NPT	2											
	5152148	WASHER, 3/8"X9/16" COPPER (2.4050)	16			12	12							
	103320	LOCKWASHER, 5/16" (12.9200)							2					
	103321	LOCKWASHER, 3/8" (12.9200)	8											
	181333	BOLT, 5/16"-24X5/8" (12.9001)							2					
	114493	NUT, 5/16"-24 (2.7170)							2					
	103026	NUT, 3/8"-24 (12.9120)	8											
	8924166	BUSHING, 3/4"X1/4" RED. (12.9570)		2	2				2					
	8924215	ELBOW, 90 DEG. INV. FLD. 5/16" TUBE 1/4"-18 PIPE (12.9480)		2	2				2					

* NOT SERVICED; USE 5102771 AND INCLUDE ITEMS MARKED #.

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1.2000 CYLINDER HEAD

PART NUMBER	NAME AND DESCRIPTION	TYPES 77	95	96	100	102	124	130	144	146	158	219	220
	1.2002 - GASKET KIT, CYLINDER HEAD OVERHAUL												
5196380	GASKET KIT, 6V				AR	AR							
5196381	GASKET KIT, 8V, 16V	AR							AR	AR	AR	AR	AR
5196382	GASKET KIT, 12V		AR	AR			AR	AR					

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 77	95	96	100	102	124	130	144	146	158	219	220
		1.2010 - GASKET, CYLINDER HEAD COMPRESSION												
1A	**5183330**	* GASKET	8	12	12	6	6							
1A	**5103659**	GASKET (GREEN COLOR CODE IDENTIFICATION)								16	16	8	16	8
		* NOT SERVICED, USE 5103659 AND CHANGE OUT ALL CYLINDERS.												
		1.2020 - GASKET SET, CYLINDER HEAD OIL												
1A	**5119972**	RING, SEAL				2	2							
1A	**5119973**	RING, SEAL	2							4	4	2	4	2
1A	**5119974**	RING, SEAL		2	2			2	2					
	5186579	RING, SEAL (WATER HOLE)	12	20	20	8	8	20	20	24	24	12	24	12
	5186577	RING, SEAL (END WATER HOLES)	6	6	6	6	6	6	6	12	12	6	12	6
		1.2022 - GASKET, CYLINDER HEAD WATER AND OIL												
	5183305	GASKET	2	2	2	2	2	2	2	4	4	2	4	2
		1.2030 - STUD, CYLINDER HEAD												
	5117003	BOLT, 5/8"-11 X 5 3/8"	20	28	28	16	16	28	28	40	40	20	40	20
		1.2045 - TUBE, INJECTOR HOLE												
2A	**8925981**	KIT, INJECTOR HOLE TUBE (INCLUDES SEAL RING 5104701) TUBE IS STAMPED "606" FOR IDENTIFICATION	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.2050 - COVER, CYLINDER HEAD GOVERNOR HOLE												
2A	**5150268**	COVER (PLAIN)	6	6	6	6	6	12	6	12	12	6	12	6
2A	**5131486**	COVER (1/4" TAPPED HOLE) (7.4597)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5104089	BOLT, 1/4"-20X1/2" W/SEAL PATCH (12.9001)	8	12	12	12	12	12	12	24	24	8	24	12
2A	**186676**	BOLT, 1/4"-20X5/8" (12.9001)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
2A	**5179709**	WASHER, 1/4" COPPER (2.7175)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
2A	**120392**	WASHER, 1/4" ZINC (12.9190)	8	12	12	12	12	12	12	24	24	8	24	12
		1.2060 - GASKET, CYLINDER HEAD GOVERNOR HOLE COVER												
2A	**5123812**	GASKET	6	6	6	6	6	6	6	12	12	6	12	6

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		1.2001 - HEAD ASSY., CYLINDER														
	5102769	HEAD ASSY. (4 VALVE) (6V)	1													
	5102771	HEAD ASSY. (4 VALVE OR TURBO) (8 & 16V)		1												
	5102770	HEAD ASSY. (4 VALVE OR TURBO) (12V)			1											
	5198218	HEAD ASSY. (2 VALVE) (6V)				1										
	5198216	HEAD ASSY. (2 VALVE) (8 & 16V)									1					
	5198219	HEAD ASSY. (2 VALVE) (12V)					1									
	5199481	+ HEAD ASSY. (4 VALVE OR TURBO) (6V) (5102769)						1								
	5199719	* HEAD ASSY. (4 VALVE) (NON-TURBO) (COMPLETE) (8V)							1							
	5199717	# HEAD ASSY. (4 VALVE) (NON-TURBO) (COMPLETE) (12V)								1						
		THE FOLLOWING ITEMS ARE ASSEMBLED TO THE CYLINDER HEAD.														
	5100929	SLEEVE, PILOT	2	2	2			2	2	2						
	5142549	PLUG, 3/4"-14 PIPE (12.9550)	2	2	4	2	2	2	2	4	4					
	8924809	@ PLUG, 1/8"-27 FUSE (257 DEG. MELT. POINT) (LETTER "S" STAMPED ON SLOTTED END)	1	1	1	1	1	1	1	1	1					
	8926993	PLUG, 1/4"-18 (257 DEG. MELT. POINT) (LETTER "S" STAMPED ON SQUARE SOCKET HEAD)	1	1	1	1	1		4	4	1					
	5154453	PLUG, 3/8"-16 SL. HDLS.							3	3	4					
	8924517	PLUG, 3/8"-18 PIPE (12.9550)							2		2					
	5117186	PLUG, CUP 2" DIA.							9	13	9					
	5121182	PLUG, 1/4"-18 PIPE (2.4015)							5	5	4					
	8923847	PLUG, 1/4"-18 SQ. SOC. (4.7001)							4	4						
	5178976	PLUG, 7/16"-14 SPECIAL (1.3160)							2	16						
	5150132	PLUG, 3/4" DIA. CUP (1.1001)								6						
	5150361	GASKET, PLATE (5.2010)								12						
	103321	LOCKWASHER, 3/8" (12.9200)								12						
	117049	NUT, 3/8"-24 (12.9120)														
	5172874	NOZZLE, WATER (SINGLE OUTLET) (1.2005)	4	4	4	4	4	4	4	4	4					
	5111332	NOZZLE, WATER (DOUBLE OUTLET) (1.2005)	4	6	10			4	6	10						
	5172875	NOZZLE, WATER (DOUBLE OUTLET) (1.2005)				4	10				6					
	8925981	KIT, INJECTOR HOLE TUBE (INCLUDES SEAL RING 5104701) TUBE IS STAMPED "606" FOR IDENTIFICATION. (1.2045)	3	4	6	3	6	3	4	6	4					
	5104701	RING (1.2046)	3	4	6	3	6	3	4	6	4					
	5111340	+ ARM ASSY. (5148472) (1.8060)							4	6						
	5111343	+ ARM ASSY. (5148475) (1.8060)							4	6						
	5179954	+ ARM ASSY. (8923543) (1.8080)							4	6						
	5150322	SHAFT ASSY. (1.8160)							4	6						
	5103903	BRACKET (1.8170)							8	12						
	5150325	BOLT (1.8170)							8	12						
	5151601	LOCKNUT (1.8180)							20	30						
	5128640	ROD (1.8180)							12	18						
	5186858	SPRING (1.8190)							12	18						
	5150302	SEAT (1.8200)							12	18						
	5123250	SEAT, CAM FOLLOWER (1.8210)							12	18						

* OBSOLETE. NO REPLACEMENT.
\+ NOT SERVICED. FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.
\# NOT SERVICED. FOR SERVICE USE COMPONENT PARTS.
@ USED ON FORMER CYLINDER HEAD WITH 1/8" FUSE PLUG.

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1.2000 CYLINDER HEAD

1.2001 - HEAD ASSY., CYLINDER (CONT'D)

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	5150303	RETAINER (1.8250)							12	18						
	5106642	FOLLOWER ASSY. (1.8260)							12	18						
	5106413	GUIDE, CAM FOLLOWER (1.8300)							4	6						
	443603	BOLT, 1/4"-20X3/4" (12.9001)							8	12						
	120380	LOCKWASHER, 1/4" (12.9200)							8	12						
	5195167	VALVE, EXHAUST (1.8310)							16	24						
	5129919	GUIDE, EXHAUST VALVE (1.8320)	12	16	24			12	16	24						
	5120930	GUIDE, EXHAUST VALVE (1.8320)				6	12				8					
	5131096	INSERT, EXHAUST VALVE (1.8330)				6	12				8					
	5101101	INSERT, VALVE (1.8330)	12	16	24			12	16	24						
	5147347	SPRING, VALVE (1.8340)							16	24						
	5117565	BRIDGE, EXHAUST VALVE (1.8343)							8	12						
	5129101	SCREW, ADJUSTING (1.8343)							8	12						
	5117564	GUIDE, EXHAUST VALVE BRIDGE (1.8345)							8	12						
	5117563	CAP, VALVE SPRING (1.8350)							16	24						
	5117562	SEAT (1.8360)							16	24						
	5111337	LOCK, VALVE SPRING SEAT (1.8370)							32	48						
	5117369	CONNECTOR (2.4030)							8	12	8					
	5125108	WASHER, 7/16"X3/4" FLAT (2.4050)							8	12	8					
	5150362	STUD, 3/8"-16X1 11/16" (5.2020)							8	12	8					
	5112899	STUD, 7/16"-14X2 3/22" (6.1020)							5	7	5					
	5117344	PLATE	3	4		3	6		4	6						
	5150361	GASKET (5.2010)	3	4		3	6		4	6						
	103321	LOCKWASHER, 3/8" (12.9200)	6	8		6	12		8	12						
	117049	NUT, 3/8"-24 HEX. (12.9120)	6	8		6	12		8	12						
	5125237	PLUG, 1/4" HEX. SKT. HD.	5	5	5	5	5		5	5						
	5154453	PLUG, 3/8"-16 SPL.	4	4	4	4	4		4							
	5117186	PLUG, 2" DIA. CUP	2	2		2	2		2							
	5150132	PLUG, 3/4" DIA. CUP (1.1001)	2	2	2	2	2		2	2						
	5178976	PLUG, 7/16"-14 SPECIAL (1.3160)	4	4	4	4	4		4	4						
	5117564	GUIDE, EXHAUST VALVE BRIDGE (1.8345)	6	8	12											
	5117562	SEAT, EXHAUST VALVE SPRING (1.8360)	12	16	24											
	5121182	PLUG, 1/4" PIPE (2.4015)	7	9	13	7	13		9	13						
	5125108	WASHER (2.4030)	6	8	12	6	12		8							
	5129845	CONNECTOR,		1	1											
	5150362	STUD, 3/8"-16/24 X 1 11/16" (5.2020)	6	8	12	6	12		8							

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		1.2001 - HEAD, CYLINDER (CONT'D)														
	5112899	STUD, 7/16"-16/14 X 2 3/32" (6.1020)	4	5	7	4	7		5							
	5145014	PLUG, 3/8" PIPE HEX. SKT. HD. (12.9550)	3	3	2	3	3		3	1						
	18SP80	CYLINDER HEAD ASSY., INSTRUCTION DRAWING FOR 2 VALVE				1	1									
	18SP85	CYLINDER HEAD ASSY., INSTRUCTION DRAWING FOR 4 VALVE	1	1	1			1	1	1						
		# EFF. WITH 1974 HEAD ASSYS. SHOWN IN PARENTHESES.														

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1.2000A ENGINE LIFTER BRACKET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 32	33	34	37	38	39	45	47	54	55	57	60
		1.2070 - BRACKET, ENGINE LIFTER FRONT												
		▪ FOR TYPE 58 USE TYPE 166.▪ FOR TYPE 59 USE TYPE 167.												
2E	5109900	BRACKET (ITEM 2)	1					1	1				1	
2E	5128441	BRACKET (ITEM 3)		1	1	1	1							
13A	5126975	BRACKET								1				1
2E	5133362	BRACKET (ITEM 2)												1
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)	1					1	1	1			1	1
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)	1	2	2	2	2	1	1	1			1	1
	103323	LOCKWASHER, 5/8" (12.9200)	1					1	1	1			1	1
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR			AR	AR
		1.2080 - BRACKET, ENGINE LIFTER REAR												
2E	5137761	BRACKET (ITEM 4)	2			2	1				4	4		2
2E	5119379	BRACKET (ITEM 1) (1.2070)		2				2						
	5126230	BRACKET							1					
	5163906	SPACER (13/32"X13/16"X.25") (7.1598)										3		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		4										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							1					
	186317	BOLT, 3/8"-24X5" (12.9001)							2					
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	4			4	2				4	4		4
	180152	BOLT, 7/16"-14X1 7/8" (12.9001)										4		
	103342	WASHER, 7/16" (12.9190)	AR			AR						AR		AR
	103321	LOCKWASHER, 3/8" (12.9200)		AR					AR					
	103322	LOCKWASHER, 7/16" (12.9200)	AR			AR					AR	AR		AR

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1.2000A ENGINE LIFTER BRACKET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 64	66	68	70	71	73	74	77	79	81	82
		1.2070 - BRACKET, ENGINE LIFTER FRONT											
2E	**5109900**	BRACKET (ITEM 2)		1	1							1	
13A	**5126975**	BRACKET						1					
2E	**5133362**	BRACKET (ITEM 2)	1				1		1	1			1
	5109520	SUPPORT, BRACKET	1						1	1			
	5100334	SPACER	2						2	2			
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)		1	1		1	1				1	1
	187201	BOLT, 1/2"-14X4 3/4" (12.9001)	1						1	1			
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)		1	1		1	1				1	1
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)	1						1	1			
	271574	BOLT, 5/8"-11X5" (12.9001)	2						2	2			
	103323	LOCKWASHER, 5/8" (12.9200)	1	1	1		1	1	1	1		1	1
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR		AR	AR	AR	AR		AR	AR
		1.2080 - BRACKET, ENGINE LIFTER REAR											
2E	**5137761**	BRACKET (ITEM 4)	2	2						2			2
	5126230	BRACKET										1	
	5131260	BRACKET			2	2		2					
	5117174	BRACKET					2		2				
	5131260	BRACKET									1		
	5134346	BRACKET									1		
	180121	BOLT, 3/8"-16X7/8" (12.9001)						4					
	179839	BOLT, 3/8"-16X1" (12.9001)									2		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			4	4							
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)									3		
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	4	4	2	6	4		4	4	1		4
	193221	BOLT, 7/16-14X1 1/4" (12.9001)						2					
	5152148	WASHER, 3/8" FLAT, COPPER (2.4050)			4	4					2		
	5125108	WASHER, 7/16" FLAT (2.4030)			2	2	4		4		4		
	103342	WASHER, 7/16" (12.9190)								AR			
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR		AR			AR		
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR			AR
		1.2085 - COVER, CYLINDER HEAD ENGINE LIFTER BRACKET											
	5107677	COVER (1.1020)										1	
	5104507	GASKET (1.1032)										1	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)										1	
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)										2	
	103321	LOCKWASHER, 3/8" (12.9200)										AR	
		1.2090 - GASKET, ENGINE LIFTER BRACKET											
	5117332	GASKET			2	2	2	2	2		1		

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1.2000A ENGINE LIFTER BRACKET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 83	84	85	86	87	89	91	92	94	96	99	101
		1.2070 - BRACKET, ENGINE LIFTER FRONT												
2E	5133362	BRACKET (ITEM 2)	1	1										
13A	5126975	BRACKET			1									
2E,9B	5109900	BRACKET (ITEM 2)				1								
	5133542 *	BRACKET					2							
2E	5137761	BRACKET (ITEM 4) (1.2080)								2			2	
2E	5135624	BRACKET (ITEM 8)									1			
2E	5135886	BRACKET (ITEM 8)									1			
	186679	BOLT, 3/8"-24X1 1/4" (12.9001)									6			
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)								2	4		2	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)					4							
	180152	BOLT, 7/16"-14X1 7/8" (12.9001)								4			4	
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)	1	1		1								
	190256	BOLT, 1/2"-13X4 1/2" (12.9001)			1									
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)	1	1	1	1								
	5152148	WASHER, 3/8" FLAT COPPER (2.4050)									6			
	5150568	WASHER, 7/16" FLAT COPPER (2.4050)									4			
	103322	LOCKWASHER, 7/16" (12.9200)					AR			AR			AR	
	103323	LOCKWASHER, 1/2" (12.9200)	1	1	1	1								
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR								
		* NOT SERVICED, CONVERT TO TYPE 55.												
		1.2080 - BRACKET, ENGINE LIFTER REAR												
	5131260	BRACKET							1			1		
	5134346	BRACKET (LEFT BANK)	1											
2E	5135646	BRACKET (ITEM 2)							1			1		
2E	5137761	BRACKET (ITEM 4)		2	2			2			2			
	5117174	BRACKET (RIGHT BANK) (1.2070)	1			1								
	5133542 *	BRACKET (1.2070)					2							
	5134464	BRACKET (1.2070)								1				
	5134465	BRACKET								1			1	
2E	5137761	BRACKET (ITEM 4)											1	
13B	5126230	BRACKET											3	
	5160629	SPACER, 13/32"X7/32" (4.2270)							2			2	2	
	179839	BOLT, 3/8"-16X1" (12.9001)											1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)								2			2	1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								6				
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)											3	
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)												
	9430221	BOLT, 3/8"-24X4 3/4"	3						3			3		2
	186317	BOLT, 3/8"-24X5" (12.9001)												2
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	2	4	4	4		4	1		4	1	1	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)								2			1	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)					4							
	180152	BOLT, 7/16"-14X1 7/8" (12.9001)								4			4	
	5152148	WASHER, 3/8"X9/16" SEAL (COPPER) (2.4050)										AR		
	5125108	WASHER, 7/16" FLAT (2.4030)	AR			AR			AR			AR		

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1.2000A ENGINE LIFTER BRACKET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 83	84	85	86	87	89	91	92	94	96	99	101
		1.2080 - BRACKET, ENGINE LIFTER REAR (CONT'D)												
	106263	WASHER, 7/16" FLAT (12.9190)								AR			AR	
	103342	WASHER, 7/16" (12.9190)								AR			AR	
	103321	LOCKWASHER, 3/8" (12.9200)							AR	AR		AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	
	117049	NUT, 3/8"-24 HEX. (12.9120)										3		
		* NOT SERVICED, CONVERT TO TYPE 55.												
		1.2090 - GASKET, ENGINE LIFTER BRACKET												
	5117332	GASKET	2		1	1			1			1		

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1.2000A ENGINE, LIFTER BRACKET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 102	110	115	118	119	124	127	128	129	135	143	147	149	150
		1.2070 - BRACKET, ENGINE LIFTER-FRONT														
2E	**5133362**	BRACKET (ITEM 2)							1		1					
2E,9B	**5109900**	BRACKET (ITEM 2)			1	1						1		1		
2E	**5137761**	BRACKET (ITEM 4) (1.2080)	2													
2E	**5141265**	BRACKET (L. BANK) (ITEM 6)								1						
2E	**5141342**	BRACKET (R. BANK) (ITEM 8)								1						
2E	**5140699**	BRACKET (ITEM 5)						1								
	5109520	SUPPORT, BRACKET									1					
	5100334	SPACER									2					
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	2													
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)						4								
	180152	BOLT, 7/16"-14X1 7/8" (12.9001)	4													
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)			1	1			1			1		1		
	187201	BOLT, 1/2"-13X4 3/4" (12.9001)									1					
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)			1	1		3				1		1		
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)									1					
	271574	BOLT, 5/8"-11X5" (12.9001)									2					
	103322	LOCKWASHER, 7/16" (12.9200)	AR					1								
	103323	LOCKWASHER, 1/2" (12.9200)			1	1			1		1	1		1		
	103325	LOCKWASHER, 5/8" (12.9200)			AR	AR		AR	AR		AR	AR		1		
	103341	WASHER, 3/8" PLAIN (12.9190)								2						
		1.2080 - BRACKET, ENGINE LIFTER-REAR														
	5131260	BRACKET			1											
2E	**5135646**	BRACKET (ITEM 2)			1		1	1								
2E	**5137761**	BRACKET (ITEM 4)	1	2				2		2		1				
	5117174	BRACKET (RIGHT BANK) (1.2070)					1					1				
	5134464	BRACKET (1.2070)	1										1			
	5134465	BRACKET											1			
2E	**5141898**	BRACKET (ITEM 6) (1.2070)				1										
	5133354	BRACKET				1			1					1		1
	5100141	BRACKET (1.2070)									2					
	5134346	BRACKET												1		1
	5117174	BRACKET (1.2070)													2	
	5178976	PLUG, 7/16" SPECIAL (1.3160)				2										
	179839	BOLT, 3/8"-16 X 1" (12.9001)			2	2										
	5101377	BOLT, 3/8"-16X1" (W/SEAL PATCH) (12.9001)												1		1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											2			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2										2			
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)	3										6			
	9430221	BOLT, 3/8"-24X4 3/4"			2		3		3					3		3
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	2	4	1		2		4	4	4	4			4	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	1										2			
	8921935	BOLT, 7/16"-14X1 1/4" (W/SEAL PATCH) (12.9001)												2		2
	180148	BOLT, 7/16"-14X1 3/8" (12.9001)						4								
	180152	BOLT, 7/16"-14X1 7/8" (12.9001)	4	4												

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1.2000A ENGINE, LIFTER BRACKET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 102	110	115	118	119	124	127	128	129	135	143	147	149	150
		1.2080 - BRACKET, ENGINE LIFTER-REAR (CONT'D)														
	5152148	WASHER, 3/8"X9/16" SEAL (COPPER) (2.4050)				AR										
	5125108	WASHER, 7/16" (2.4030)			AR	AR	AR		AR		AR	AR			AR	
	106263	WASHER, 7/16" (12.9190)	AR										AR			
	103342	WASHER, 7/16" (12.9190)	AR	AR						AR						
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR								AR	1		1
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR				AR		AR		AR	AR	2		2
		1.2090 - GASKET, ENGINE LIFTER BRACKET														
	5117332	GASKET				2	1		1	2	2	1		1	2	1
	5175882	GASKET (4.4115)											6			

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1.2000A ENGINE, LIFTER BRACKET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 151	155	156	157	166	167	168	171	172	185	197	198	207	208
		1.2070 - BRACKET, ENGINE LIFTER-FRONT														
	5133362	BRACKET ASSY.													1	1
2E	**5109900**	BRACKET (ITEM 2)	1									1	1		1	
2E	**5140699**	BRACKET (ITEM 5)		1												
2E	**5128441**	BRACKET (ITEM 3)			1				1	1	1					
2E	**5117996**	BRACKET (ITEM 6)												1		
	5108376	BRACKET				1		1								
	5100141	BRACKET					2									
	5109520	SUPPORT, BRACKET														1
	5169433	SPACER (11/16") (11.1073)				1		1								
	5100334	SPACER (2.12")														
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)					4								2	
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)	1									1		1	1	
	187201	BOLT, 1/2"-13X4 3/4" (12.9001)														1
	189787	BOLT, 1/2"-13X5 1/4" (12.9001)				1		1								
	181459	BOLT, 9/16"-18X2" (12.9001)				1		1								
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)	1	2	2				2	2	2	1	1	1	1	
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)														1
	179839	BOLT, 3/8"-16X1" (12.9001)													1	
	271574	BOLT, 5/8"-11X5" (12.9001)														1
	5125108	WASHER, 7/16" (2.4030)					4								2	
	5152148	WASHER, 3/8"X9/16" COPPER													1	
	103323	LOCKWASHER, 1/2" (12.9200)	1			1		1				1		1	1	
	120898	LOCKWASHER, 9/16" (12.9200)				1		1								
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR				AR	AR	AR	1	AR	AR	AR	
	103029	NUT, 9/16"-18 (12.9120)				1		1								
		1.2080 - BRACKET, ENGINE LIFTER-REAR														
2F	**5117174**	BRACKET (ITEM 7) (1.2070)	1	2	1				2	1	1			1		
	5141898	BRACKET													1	
2E	**5134346**	BRACKET (ITEM 6)	1		1						1					
	5133354	BRACKET				2									1	
	5100141	BRACKET (1.2070)					2	2								
	5126230	BRACKET										1				
	5137761	BRACKET											2	1		
	5124849	SPACER, 25/64"X3/4"X.76" (7.4538)										2				
	5130179	SPACER, 3/4"X.40"X.18" (12.5023)									1					
	5164294	SPACER, 7/8"X13/32"X1/8" THK. (7.1581)										1				
	5178976	PLUG, 7/16" SPECIAL (1.3160)							4							
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)	2		3						2					
	5101377	BOLT, 3/8"-16X1" (5.2020)													2	
	186317	BOLT, 3/8"-24X5" (12.9001)	1								1					
	191637	BOLT, 3/8"-24X5 3/4" (12.9001)										2				
	186324	BOLT, 3/8"-24X6 1/2" (12.9001)										1				
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	2	4	2	4	4	4		4	2		4	4	2	
	5125108	WASHER, 7/16" (2.4030)	2	4	2	4	4	4		4	2			2	2	
	103342	WASHER, 7/16" (12.9190)											4	2		
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR							3			AR	
	103322	LOCKWASHER, 7/16" (12.9200)			2	4									2	
	103026	NUT, 3/8"-24 (12.9120)										1				
		1.2090 - GASKET, ENGINE LIFTER BRACKET														
	5117332	GASKET	1	2	1	2	4	2	2	2	1			1	2	

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1.2000A ENGINE, LIFTER BRACKET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2101	2224	2225	2522	2544	2559	2661
		1.2070 - BRACKET, ENGINE LIFTER-FRONT							
2E	5128441	BRACKET (ITEM 3)	1						
2E	5109900	BRACKET (ITEM 2)		1	1				
2E	5140699	BRACKET (ITEM 5)				1	1		
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)		1	1				
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)	2	1	1	2	2		
	103323	LOCKWASHER, 1/2" (12.9200)		1	1				
	103325	LOCKWASHER, 5/8" (12.9200)	2	1	1	2	2		
		1.2080 - BRACKET, ENGINE LIFTER-REAR							
2F	5117174	BRACKET (ITEM 7) (1.2070)	1	2	2		1		
2E	5134346	BRACKET (ITEM 6)	1						
	8927528	BRACKET					1		
	23500672	BRACKET (R. BANK FLY HSG)				1			1
	8927324	BRACKET (L. BANK CYL. HEAD)				1			
	8927299	BRACKET, AIR SILENCER (R. BANK CYL. HEAD) (3.2010)				1			
	5133354	BRACKET (L. BANK CYL. HEAD)						1	
	8926253	BRACKET (R. BANK CYL. HEAD)						1	
	23501712	BRACKET (L. BANK CYL. HEAD)							1
	23501711	BRACKET, AIR SILENCER (R. BANK CYL. HEAD)							1
	5130179	SPACER, 3/4" (12.5023)	1						
	5101377	BOLT, 3/8"-16X1" (5.2020)						2	
	9430221	BOLT, 3/8"-24X4 3/4" (1.2080)	2						
	186317	BOLT, 3/8"-24X5" (12.9001)	1						
	8921935	BOLT, 7/16"-14X1.12" (12.9001)	2	4	6		4	4	
	8921936	BOLT, 7/16"-14X1.25" (12.9001)				4			4
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)				2			2
	103321	LOCKWASHER, 3/8" (12.9200)						2	
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	4	6	4	4	6
		1.2090 - GASKET, ENGINE LIFTER BRACKET							
	5117332	GASKET	1	2	2	2	2	1	2

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 23	24	25	26	27	28	29	33	37	49	53	54
		1.3001 - CRANKSHAFT ASSY.												
		A CRANKSHAFT ASSY. INCLUDES PLUGS AND DOWELS IN 1.3001 AND OIL PUMP DRIVE KEY IN 4.1310. THE 16V CRANKSHAFT INCLUDES ONLY ITEMS SHOWN IN 1.3001.												
3A	**5146733**	CRANKSHAFT ASSY. (6V)	1											1
3A	**5103264**	CRANKSHAFT ASSY. (8V)		1			1	1					1	
3A	**5146734**	CRANKSHAFT ASSY. (12V)			1						1			
	5149215	CRANKSHAFT ASSY. (16V) (FRONT HALF)				1			1	1		1		
	5149217	CRANKSHAFT ASSY. (16V) (REAR HALF)				1			1	1		1		
	5177528	DOWEL	2	2	2	2	2	2	2	2	2	2	2	2
3A	**8924380**	PLUG, 1/8" PIPE (12.9550)	3	4	6	8	4	4	8	8	6	8	4	3
	5121182	PLUG, 1/4 PIPE (2.4015)					1	1						
	9409626	BOLT, 5/8"-18X2" (12.9001)				10			10	10		10		
	274639	NUT, 5/8"-18 (12.9120)				10			10	10		10		
		1.3040 - SEAL, CRANKSHAFT OIL-FRONT												
		• REFER TO 1.3166 IN 1.3000A OR 4.1004 IN 4.1000A OR 8.1902 IN 8.1000A OR 11.1089 IN 11.1000A.■												
		1.3050 - SLINGER, CRANKSHAFT OIL-FRONT												
3A	**5150174**	SLINGER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.3055 - SPACER, CRANKSHAFT FRONT OIL SEAL												
	5187760	% SPACER (.55"L.) (1.3275)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5122983	% SPACER (2"L.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5132991	+ SPACER (2.18"L.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5122214	SPACER (2.55"L.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5151420	SPACER (2.81"L.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5126324	SPACER (2.195"L.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5122541	SPACER (3.06"L.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

% USED TOGETHER ON MARINE UNITS.
+ TYPE 25 FOR 1200 TO 1500 RPM GENERATOR SETS ONLY.

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 23	24	25	26	27	28	29	33	37	49	53	54
		1.3057 - WASHER, CRANKSHAFT CAP RETAINER-FRONT												
	5160380	# WASHER (1 3/4"O.D.)	1	1	1		1		1	1	1			
	5157930	# WASHER (2 3/8"O.D.) (1.3290)	1	1	1				1	1	1			
	5132357	# WASHER (2.88"O.D.) (1.3290)						1						
	5130479	# BOLT, 1"-14X1.840" SPECIAL (1.3290)						1						
	5153623	# BOLT, 1"-14X2 1/4" (1.3290)	1	1	1				1	1	1			
	5160266	# BOLT, 1"-14X2 3/4" (1.3290)	1	1	1				1	1	1			
	5120016	# BOLT, 1 -14X3 1/2 (1.3290)	1	1	1				1	1	1			
	5183006	# BOLT, 1"-14X4" (1.3290)			1						1			
		# USE ONLY WHEN PULLEY IS NOT USED.												
		1.3058 - CAP, CRANKSHAFT-FRONT												
	5112608	# & CAP	1	1	1	1	1	1	1	1	1			
	5160302	# CAP	1	1	1	1	1	1	1	1	1			
		# USE ONLY WHEN PULLEY IS NOT USED.												
		& NOT SERVICED; USE 5137103 AND INCLUDE (1) 5157930 WASHER.												
		1.3060 - SEAL, CRANKSHAFT OIL-REAR												
		• REFER TO 1.5004 IN 1.5000A.▪												
		1.3066 - SLEEVE, CRANKSHAFT REAR OIL SEAL												
		• REFER TO 1.5012 IN 1.5000A.▪												

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 23	24	25	26	27	28	29	33	37	49	53	54
		1.3090 - SHELL, CRANKSHAFT MAIN BEARING												
		A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER BEARING SHELL.												
	5149556	SHELL SET (STD.) (NON-SLOTTED UPPER)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149565	SHELL SET (STD.) (SLOTTED UPPER) (TURBO)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149557	SHELL SET (.002" U.S.) (NON-SLOTTED UPPER)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149566	SHELL SET (.002" U.S.) (SLOTTED UPPER)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149559	SHELL SET (.010" U.S.) (NON-SLOTTED UPPER)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149567	SHELL SET (.010" U.S.) (SLOTTED UPPER)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149561	SHELL SET (.020" U.S.) (NON-SLOTTED UPPER)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149568	SHELL SET (.020" U.S.) (SLOTTED UPPER)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149563	SHELL SET (.030" U.S.) (NON-SLOTTED UPPER)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922118	SHELL SET (.030" U.S.) (SLOTTED UPPER)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.3100 - WASHER, CRANKSHAFT MAIN BEARING THRUST												
3A	**5117005**	WASHER (STD.)	4	4	4	4	4	4	4	4	4	4	4	4
3A	**5196753**	WASHER (.005" O.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A	**5196754**	WASHER (.010" O.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A	**141346**	PIN, 3/16"X1/2" DOWEL (12.9290)	4	4	4	4	4	4	4	4	4	4	4	4
		1.3110 - CAP, CRANKSHAFT MAIN BEARING												
3A	**5196317**	CAP, MACHINED FOR THRUST WASHER (REAR POSITION ONLY)	1	1	1	1	1	1	1	1	1	1	1	1
	5117502	CAP, INTERMEDIATE (UNFINISHED)	4	5	7	10	5	5	10	10	7	10	5	4
	5149928	CAP, INTERMEDIATE (FINISHED)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.3112 - STABILIZER, CRANKSHAFT MAIN BEARING CAP												
1C	**5124401**	+ ? STABILIZER (ITEM F)	2											
1C	**5124402**	+ ? STABILIZER (ITEM F)		2										
1C	**5124403**	+ ? STABILIZER (ITEM F)			2									
1B	**5125299**	* = STABILIZER (ITEM C)		3	3	3			3	3	3	3		
1B	**5125299**	@ # = STABILIZER (ITEM C)		1	1	2			2	2	1	2	1	1
1B	**5125161**	@ [STABILIZER (ITEM B)		1	1	2			2	2	1	2	1	1
1B	**5104303**	* STABILIZER (ITEM D)			1						1			
1B	**5104525**	* STABILIZER (ITEM E)			1						1			
3A	**5102370**	STABILIZER (ITEM B)		1	1	2			2	2	1	2	1	1
	9409620	* BOLT, 7/16"-14X1 1/8" LOCK	5	7	11	6			6	6	11	6		5
1B	**9409620**	# BOLT, 7/16"-14X1 1/8" LOCK		3	3								3	
	5125608	* WASHER (7/16" FLAT)	5	7	11	6			6	6	11	6		5
	5125608	# WASHER (7/16" FLAT)		3	3								3	

\+ THRU 6VA-061, 8VA-024, 12VA-039.
* EFFECTIVE WITH 6VA-062, 8VA-025, 12VA-040, 16VA-541 AND THRU 6VA-915, 8VA-356, 12VA-234.
@ EFFECTIVE WITH 12VA-5790, 16VA-541

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 23	24	25	26	27	28	29	33	37	49	53	54

1.3112 - STABILIZER, CRANKSHAFT MAIN BEARING CAP (CONT'D)

\# EFFECTIVE WITH 8VA-83550 FOR TURBOCHARGED 8V ONLY, TYPE 24 AND 12VA-5790, 16VA-541.
? OBSOLETE. NO REPLACEMENT.
= NOT SERVICED, USE 5102413.
[NOT SERVICED. USE 5102370 PLUS 5102374 & 5102373.

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 23	24	25	26	27	28	29	33	37	49	53	54
		1.3115 - STABILIZER KIT, MAIN BEARING CAP												
	5149294	* STABILIZER KIT		1	1	1			1	1	1	1		
		* A STABILIZER KIT CONSISTS OF (1) 5102370 STABILIZER, (1) 5102413 STABILIZER, (4) 5102374 BOLTS AND (4) 51 02373 WASHERS.												
		1.3140 - BOLT, CRANKSHAFT MAIN BEARING CAP												
3A	**5121263**	+ BOLT (6.24"L.) (1.2030)	8	10	14									
3A	**5116353**	= BOLT (6.24"L.)	8	10	14	20	10	10	20	20	14			
3A	**5116353**	@ BOLT (6.24"L.)			10	12			12	12	10	12		
3A	**5125198**	* $ BOLT (6.54"L.)	8	14	18	8			8	8	18	8	4	8
3A	**5102374**	BOLT (6.62"L.)	8	14	18	8			8	8	18	8	4	8
3A	**5102373**	WASHER (.694 I.D.X1.125 O.D.X.180 THICK)	8	10	14	32	10	10	32	32	14	12		
	5175505	+ WASHER (.66"I.D.X1.24"O.D.) (1.2040)	8	10	14						14			
	5124988	= ? WASHER (.66 I.D.X1.35 O.D.X.0205 THICK)	8	10	14	20	10	10	20	20	14			
	5124988	@ ? WASHER (.66 I.D.X1.35 O.D.X.205 THICH)				12			12	12		12		
		+ THRU 6VA-061, 8VA-024, 12VA-039.												
		= EFFECTIVE WITH 6VA-916, 8VA-357, 12VA-235, 16VA-001 WITHOUT STABILIZERS AND THRU 12VA-5789, 16VA-540.												
		@ EFF. WITH 12VA-5790, 16VA-541.												
		* EFF. WITH 6VA-062, 8VA-025, 12VA-040, 16VA-541 AND THRU 6VA-915, 8VA- 356, 12VA-234.												
		$ NOT SERVICED; USE 5102374 BOLT AND 1-5102373 WASHER.												
		? NOT SERVICED. USE 5102373.												

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1.3000 CRANKSHAFT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 23	24	25	26	27	28	29	33	37	49	53	54
		1.3145 - GEAR, CRANKSHAFT TIMING												
3A	**5117102**	GEAR (R.H. HELIX) (R.H. ENGINE ROTATION) (REAR ON 16V.)	1	1	1		1	1		1	1		1	
3A	**5122101**	GEAR (L.H. HELIX) (L.H. ENGINE ROT.)	1	1	1						1			
3A	**5124719**	GEAR (R.H. HELIX) (R.H. ENGINE ROTATION) (REAR)				1			1	1		1		1
3A	**5124720**	GEAR (L.H. HELIX) (L.H. ENGINE ROTATION) (REAR)				1			1	1		1		
	5126035	GEAR (R.H. HELIX) (R.H. ENGINE ROTATION) (FRONT)				1			1	1		1		
	5126034	GEAR (L.H. HELIX) (L.H. ENGINE ROTATION) (FRONT)				1			1	1		1		
	5131565	* GEAR (R.H. HELIX) (R.H. ENGINE ROTATION) (FRONT)								1				
	5126369	BOLT, 5/16"-24X1 1/4"				6			6	6		6		
3A	**9409035**	BOLT, 3/8"-24X1" LOCK (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6
		* USED WITH FRONT MOUNTED LUBE OIL PUMP TYPE 72.												
		1.3146 - KIT, VIBRATION DAMPER *RECONDITIONING*												
3B	**5198306**	KIT (INCLUDES SPRINGS, SPACERS, NUTS AND BOLTS WHICH ARE NOT SERVICEDSEPARATELY)				1			1	1		1		
		1.3147 - DAMPER, CRANKSHAFT FRONT GEAR												
		NOTE: COMPONENTS OF DAMPER ASSYS. ARE NOT SERVICED SEPARATELY. REFER *TO RECONDITIONING KIT IN 1.3146.*												
3B	**5137566**	DAMPER ASSY.				1			1	1		1		
	5130337	@ DAMPER ASSY.				1			1	1		1		
	5126368	BOLT, 3/8"-24X1/2" HEX. SOCKET (1.3210)				6			6	6		6		
		@ NOT SERVICED, REPLACE WITH 5137566 DAMPER ASSY., OR UPDATE WITH KIT IN 1.3146.												

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 55	69	90	93	108
		1.3001 - CRANKSHAFT ASSY.					
		A CRANKSHAFT ASSY. INCLUDES PLUGS AND DOWELS IN 1.3001 AND OIL PUMP DRIVE KEY IN 4.1310. THE 16V CRANKSHAFT INCLUDES ONLY ITEMS SHOWN IN 1.3001.					
	5103264	CRANKSHAFT ASSY. (8V)		1			
3A	5146734	CRANKSHAFT ASSY. (12V)	1				
	8927720	CRANKSHAFT ASSY. (16V) (FRONT HALF; RH ROTATION)			1		1
	8927721	CRANKSHAFT ASSY. (16V) (REAR HALF; RH ROTATION)			1		
	8927722	CRANKSHAFT ASSY. (16V) (FRONT HALF; LH ROTATION)				1	
	8927723	CRANKSHAFT ASSY. (16V) (REAR HALF; LH ROTATION)				1	
	23502126	CRANKSHAFT ASSY. (16V) (REAR HALF; RH ROTATION)					1
	5177528	DOWEL	2				
	8928545	KEY, 3/16"X7/8" SPECIAL (12.9350)		1			
3A	8924380	PLUG, 1/8" PIPE (12.9550)	6	4	8	8	9
	5153623	BOLT, 1"-14X2 1/4" (12.9001)		1			
		1.3040 - SEAL, CRANKSHAFT OIL-FRONT					
		• REFER TO 1.3166 IN 1.3000A OR 4.1004 IN 4.1000A OR 8.1902 IN 8.1000A OR 11.1089 IN 11.1000A.■					
		1.3050 - SLINGER, CRANKSHAFT OIL-FRONT					
3A	5150174	SLINGER	1				
		1.3055 - SPACER, CRANKSHAFT FRONT OIL SEAL					
	5122214	SPACER		1			
		1.3057 - WASHER, CRANKSHAFT CAP RETAINER-FRONT					
	5160380	WASHER, 1 1/16"X1 3/4"	1	1	1	1	1
	5160266	BOLT, 1"-14X2 3/4" (1 5/16" HEX HEAD) (1.3290)	1	1			
	23501143	BOLT, 1"-14X2 3/4" (1 1/2" HEX HEAD) (1.3290)			1	1	1
		1.3058 - CAP, CRANKSHAFT-FRONT					
	5112608	# & CAP	1	1			
	5160302	# CAP	1	1	1	1	1

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 55	69	90	93	108
		1.3058 - CAP, CRANKSHAFT-FRONT (CONT'D)					
		# USE ONLY WHEN PULLEY IS NOT USED & NOT SERVICED, USE 5137103 AND INCLUDE (1) 5157930 WASHER.					
		1.3060 - SEAL, CRANKSHAFT OIL-REAR					
		• REFER TO 1.5004 IN 1.5000A.•					
		1.3066 - SLEEVE, CRANKSHAFT REAR OIL SEAL					
		• REFER TO 1.5012 IN 1.5000A.•					
		1.3090 - SHELL, CRANKSHAFT MAIN BEARING					
		A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER BEARING SHELL.					
	5149565	SHELL SET (STD.) (SLOTTED UPPER)	AR	AR	AR	AR	AR
	5149556	SHELL SET (STD.) (NON-SLOTTED UPPER)	AR	AR	AR	AR	AR
	5149566	SHELL SET (.002" U.S.) (SLOTTED)	AR	AR	AR	AR	AR
	5149557	SHELL SET (.002" U.S.) (NON-SLOTTED)	AR	AR	AR	AR	AR
	5149567	SHELL SET (.010" U.S.) (SLOTTED)	AR	AR	AR	AR	AR
	5149559	SHELL SET (.010" U.S.) (NON-SLOTTED)	AR	AR	AR	AR	AR
	5149568	SHELL SET (.020" U.S.) (SLOTTED)	AR	AR	AR	AR	AR
	5149561	SHELL SET (.020" U.S.) (NON-SLOTTED)	AR	AR	AR	AR	AR
	8922118	SHELL SET (.030" U.S.) (SLOTTED)	AR	AR	AR	AR	AR
	5149563	SHELL SET (.030" U.S.) (NON-SLOTTED)	AR	AR	AR	AR	AR
		1.3100 - WASHER, CRANKSHAFT MAIN BEARING THRUST					
3A	**5117005**	WASHER (STD.)	4	4	4	4	4
3A	**5196753**	WASHER (.005" O.S.)	AR	AR	AR	AR	AR
3A	**5196754**	WASHER (.010" O.S.)	AR	AR	AR	AR	AR
3A	**141346**	PIN, 3/16"X1/2" DOWEL (12.9290)	4	4	4	4	4
		1.3110 - CAP, CRANKSHAFT MAIN BEARING					
3A	**5196317**	CAP, MACHINED FOR THRUST WASHER (REAR POSITION ONLY)	1	1	1	1	1
	5117502	CAP, INTERMEDIATE (UNFINISHED)	7	7	10	10	10
	5149928	CAP, INTERMEDIATE (FINISHED)	AR	AR	AR	AR	AR

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 55	69	90	93	108
		1.3112 - STABILIZER, CRANKSHAFT MAIN BEARING CAP					
1B	**5125299**	* # STABILIZER (ITEM C)	1				
1B	**5102413**	STABILIZER	1	1	2	2	2
1B	**5102370**	STABILIZER	1	1	2	2	2
1B	**5125161**	* ? STABILIZER (ITEM B)	1				
1B	**9409620**	* BOLT, 7/16"-14X1 1/8" LOCK	3	3	6	6	6
	5125608	* WASHER, 7/16"	3	3	6	6	6
		* EFF. WITH 12VA-5790, 16VA-541.					
		# NOT SERVICED, USE 5102413.					
		? NOT SERVICED. USE 5102370 PLUS (1) 5102374 & (1) 5102373.					
		1.3140 - BOLT, CRANKSHAFT MAIN BEARING CAP					
3A	**5102374**	BOLT (6.62"L.)	4	4	8	8	8
3A	**5125198**	* # BOLT (6.54"L.)	4				
3A	**5102373**	WASHER (.694I.D.X1.125O.D.X.180 THK)	4	4	8	8	8
		* EFF. WITH 12VA-5790, 16VA-541.					
		# NOT SERVICED, USE 5102374 BOLT AND 5102373 WASHER & REWORK STABILIZER PER BULLETIN 3D-75.					
		1.3145 - GEAR, CRANKSHAFT TIMING					
3A	**5124719**	GEAR (R.H. HELIX) (R.H. ENGINE ROTATION) (REAR)	1		1		
3A	**5117102**	GEAR (R.H. HELIX) (R.H. ENGINE)		1			
	5126035	GEAR (R.H. HELIX) (R.H. ROTATION) (FRONT)			1		1
	5126034	GEAR (L.H. HELIX) (L.H. ROTATION) (FRONT)				1	
3A	**5124720**	GEAR (L.H. HELIX) (L.H. ROTATION) (REAR)				1	
	8926633	GEAR (R.H. HELIX) (R.H. ROTATION) (REAR)					1
	5126369	BOLT, 5/16"-24X1 1/4"			6	6	6
3A	**9409035**	BOLT, 3/8"-24X1" LOCK (12.9001)	6	6	6	6	6
		1.3146 - KIT, VIBRATION DAMPER RECONDITIONING					
3B	**5198306**	KIT (INCLUDES SPRINGS, SPACERS, NUTS AND BOLTS WHICH ARE NOT SERVICED SEPARATELY)					1
		1.3147 - DAMPER, CRANKSHAFT FRONT GEAR					
		NOTE: COMPONENTS OF DAMPER ASSYS. ARE NOT SERVICED SEPARATELY. REFER TO RECONDITIONING KIT IN 1.3146.					
	5137566	DAMPER ASSY.					1
	5126368	BOLT, 3/8"-24X1/2" (1.3210)					6

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1.3000A CRANKSHAFT FRONT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 50	51	52	56	60	61	62	71	72	74	75	101
		1.3160 - COVER, CRANKSHAFT FRONT												
4B	**5117216**	COVER (PLAIN) (ITEM 2)	1				1	1						
4B	**5117499**	COVER (PLAIN) (ITEM 5)		1										
4B	**5122106**	COVER (TRUNNION MOUNTING) (ITEM 4)			1									
4B	**5126084**	COVER (PLAIN) (ITEM 1)				1								
6A	**5117223**	* COVER (1.5001)								1				
4A	**5162875**	@ COVER									1			
4A	**5130956**	COVER (1.5001)										1		1
4A	**5140871**	# COVER (TRUNNION MOUNTING)									1			
4B	**5131702**	COVER (ITEM 3)											1	
13A	**5124284**	& COVER ASSY. (PLAIN)							1					
	763953	INSULATOR					1							
	141242	PIN, 3/8"X7/8" DOWEL (12.9290)							2					
	5142549	PLUG, 3/4" PIPE (12.9550)								1	1	1		2
	8924750	PLUG, 1" PIPE (TEFLON) (12.9550)								1		1		1
	5183323	SHIM (.005")											AR	
	454906	BOLT, 3/8"-16X1/2" (12.9001)					2	2	2					
	179839	BOLT, 3/8"-16X1" (12.9001)								2	2	2		2
	8927581	BOLT, 3/8"-16X1" (W/LW) (12.9001)								6		6		6
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								1		1		1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)											2	
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	2	2	2									
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				2								
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)									2			
	5121466	BOLT, 3/8"-24X3 7/8" (12.9001)								7	7	7		7
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)			6								2	
	186689	BOLT, 1/2"-13X2" (12.9001)	4				4	4	4					
	186656	BOLT, 1/2"-13X2 3/4" (12.9001)	2	6			2	2	2					
	179893	BOLT, 1/2"-13X3" (12.9001)				2				6				
	9409240	BOLT, 1/2"-13X3" (12.9001)											6	
	190770	BOLT, 1/2"-13X3 1/4" (12.9001)										6		6
	186659	BOLT, 1/2"-13X3 3/4" (12.9001)				4								
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)					2							
	103341	WASHER, 3/8" FLAT (12.9190)								6		6		6
	5138619	WASHER, 25/64"X3/4"X.083" (4.1512)										6		
	5167615	WASHER, 1/2" BEVEL						2						14
	103321	LOCKWASHER, 3/8" (12.9200)				2								
	103323	LOCKWASHER, 1/2" (12.9200)	6	6	6	6	6	6	6	6		6		6
	103325	LOCKWASHER, 5/8" (12.9200)					2							
	102637	NUT, 1/2"-13 HEX. (12.9120)						2						
	102639	NUT, 5/8"-11 HEX. (12.9120)					2							
		* NOT SERVICED; REPLACE WITH 8925184 AND INCLUDE 1-8927451 PLUG.												
		@ THRU 16VA-2452.												
		# EFFECTIVE WITH 16VA-2453.												
		& OBSOLETE												
		1.3166 - SEAL, CRANKSHAFT OIL-FRONT												
3A	**5115454**	SEAL, OIL (SGL. LIP) (1.3060)	1	1	1	1	1	1	1				1	
3A	**8927747**	* SEAL, OIL (DBL. LIP) (1.5004)								1	1	1		1
3A	**8922045**	SEAL, OIL R.H. (SUSTAINED -25 DEG. F. OPERATING CONDITIONS)	AR	AR	AR	AR	AR	AR	AR				AR	
3A	**8922046**	SEAL, OIL L.H. (SUSTAINED -25 DEG. F. OPERATING CONDITIONS)	AR	AR	AR	AR	AR	AR	AR				AR	
		* ONE (TEFLON) SEALING LIP & ONE DUST LIP.												

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1.3000A CRANKSHAFT FRONT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 50	51	52	56	60	61	62	71	72	74	75	101
		1.3170 - GASKET, CRANKSHAFT FRONT COVER												
	5121714	GASKET	1	1	1	1	1	1	1				1	
6A	**5144875**	GASKET (1.5010)								1	1	1		1
		1.3195 - COVER, CRANKSHAFT FRONT COVER SMALL HOLE												
6A	**8922716**	COVER (1.5050)								2	1	1		1
	5155901	COVER (5.3080)									1			
	186625	BOLT, 5/16"-18X7/8" (12.9001)									2			
6A	**180120**	BOLT, 3/8"-16X3/4" (12.9001)								7	2			
	8927580	BOLT, 3/8"-16X1.015" (12.9001)										2		2
6A	**186315**	BOLT, 3/8"-16X4 1/2" (12.9001)								4	4	4		4
6A	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)								1				
	179858	BOLT, 7/16"-14X1" (12.9001)									1			
	5150568	WASHER, 7/16" FLAT COPPER (2.4050)									1			
	103320	LOCKWASHER, 5/16" (12.9200)									2			
6A	**103321**	LOCKWASHER, 3/8" (12.9200)								AR	AR	AR		AR
		1.3196 - GASKET, CRANKSHAFT FRONT COVER SMALL HOLE COVER												
6A	**8924835**	GASKET (1.5060)								2	1	1		1
		1.3197 - COVER, CRANKSHAFT FRONT COVER LARGE HOLE												
6A	**5122281**	COVER (1.5030)								1	1	1		1
6A	**179857**	BOLT, 7/16"-14X7/8" (12.9001)								1	1	1		1
6A	**122408**	BOLT, 1/2"-13X1" (12.9001)								4	4	4		4
	5150568	WASHER, 7/16" COPPER (12.9190)								1	1	1		1
6A	**103322**	LOCKWASHER, 7/16" (12.9200)								1	1	1		
6A	**103323**	LOCKWASHER, 1/2" (12.9200)								4	4	4		4
		1.3198 - GASKET, CRANKSHAFT FRONT COVER LARGE HOLE COVER												
6A	**5104506**	GASKET (1.5040)								1	1	1		1

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1.3000A CRANKSHAFT FRONT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1 0 2	1 1 3
		1.3160 - COVER, CRANKSHAFT FRONT		
4B	**5126084**	COVER (PLAIN) (ITEM 1)		1
4A	**5140871**	* COVER (TRUNNION MOUNTING)	1	
	5142549	PLUG, 3/4" PIPE (12.9550)	1	
	179839	BOLT, 3/8"-16X1" (12.9001)	2	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		2
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	2	
	5121466	BOLT, 3/8"-24X3 7/8" (12.9001)	7	
	179893	BOLT, 1/2"-13X3" (12.9001)		2
	186659	BOLT, 1/2"-13X3 3/4" (12.9001)		4
	103321	LOCKWASHER, 3/8" (12.9200)	11	2
	103323	LOCKWASHER, 1/2" (12.9200)		6
		* EFFECTIVE WITH 16VA-2453.		
		1.3166 - SEAL, CRANKSHAFT OIL-FRONT		
3A	**5114335**	@ SEAL, OIL (SINGLE LIP) (1.3060)	1	
3A	**8927749**	# * SEAL, OIL R.H. (DBL. LIP O.S.) (1.5004)	1	
3A	**8927748**	# * SEAL, OIL L.H. (DBL. LIP O.S.) (1.5004)	1	
	5198908	SLEEVE (USE W/8927748 & 8927749) (1.3066)	1	
	5143108	SEAL, OIL (SUBMERCIBLE) (ITEM 1) (1.3040)		1
	8922045	SEAL, OIL R.H. (SUSTAINED -25 DEG. F. OPERATING CONDITIONS)	AR	AR
	8922046	SEAL, OIL L.H. (SUSTAINED -25 DEG. F. OPERATING CONDITIONS)	AR	AR
		@ THRU 16VA-2452.		
		# EFF. WITH 16VA-2453 FOR ENGINES EQUIPPED WITH TRUNNION MOUNTS ONLY.		
		* ONE (TEFLON) SEALING LIP & ONE DUST LIP.		
		1.3170 - GASKET, CRANKSHAFT FRONT COVER		
	5121714	GASKET		1
6A	**5144875**	GASKET (1.5010)	1	
		1.3195 - COVER, CRANKSHAFT FRONT COVER SMALL HOLE		
6A	**8922716**	COVER (1.5050)	1	
	5155901	COVER (5.3080)	1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	
	8927580	BOLT, 3/8"-16X1.015" (12.9001)	2	
6A	**186315**	BOLT, 3/8"-16X4 1/2" (12.9001)	4	
	179858	BOLT, 7/16"-14X1" (12.9001)	1	
	5150568	WASHER, 7/16" FLAT COPPER (2.4050)	1	
	103320	LOCKWASHER, 5/16" (12.9200)	2	
6A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	
		1.3196 - GASKET, CRANKSHAFT FRONT COVER SMALL HOLE COVER		
6A	**8924835**	GASKET (1.5060)	1	
	3222141	GASKET (5.3280)	1	

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1.3000A CRANKSHAFT FRONT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1102	113
		1.3197 - COVER, CRANKSHAFT FRONT COVER LARGE HOLE		
6A	**5122281**	COVER (1.5030)	1	
6A	**179857**	BOLT, 7/16"-14X7/8" (12.9001)	1	
6A	**122408**	BOLT, 1/2"-13X1" (12.9001)	4	

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1.3000A CRANKSHAFT FRONT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1 0 2	1 1 3
		1.3197 - COVER, CRANKSHAFT FRONT COVER *LARGE HOLE(CONT'D)*		
	5150568	WASHER, 7/16" COPPER (12.9190)	1	
6A	**103323**	LOCKWASHER, 1/2" (12.9200)	4	
		1.3198 - GASKET, CRANKSHAFT FRONT COVER LARGE HOLE COVER		
6A	**5104506**	GASKET (1.5040)	1	

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1.3000B VIBRATION DAMPER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	36	46	49	53	55	57	58	60	61	64	65
		1.3210 - DAMPER, VIBRATION												
	5107297	– DAMPER (HEAVY, VISCOUS) (8922491)	1	1	1		1						1	1
5B	**5106222**	DAMPER (15" DIA., VISCOUS)				1			1		1	1		
	5109863	DAMPER (CAMSHAFT) (VISCOUS)					1						1	
5A	**5176767**	– DAMPER (LIGHT, RUBBER) (5100421)						1		1				
5A	**5100421**	DAMPER (HEAVY, RUBBER)						1		1				
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)					1						1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)					1						1	
5A	**179857**	BOLT, 7/16"-14X7/8" (12.9001)			6		6							
5A	**181394**	BOLT, 7/16"-20X7/8" (12.9001)	6	6									6	6
5A	**181396**	BOLT, 7/16"-20X1 1/8" (12.9001)						6		6				
5B	**179884**	BOLT, 1/2"-13X1 3/8" (12.9001)							8		8	8		
5B	**186725**	BOLT, 1/2"-13X1 1/2" (12.9001)				8								
	5150230	WASHER, 3/8" FLAT (3.4120)					1						1	
	103321	LOCKWASHER, 3/8" (12.9200)					1						1	
5A	**103322**	LOCKWASHER, 7/16" (12.9200)	6	6	6		6	6		6			6	6
5B	**103323**	LOCKWASHER, 1/2" (12.9200)				AR			AR		AR	AR		
		– NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		1.3230 - HUB ASSY., VIBRATION DAMPER												
		INCLUDES DOWEL.												
5A	**5186050**	HUB ASSY.	1	1									1	
5B	**5128578**	HUB ASSY. (REAR ENGINE)				1								
5A	**5156296**	HUB ASSY.						1		1				
	5173775	@ HUB ASSY.							1					
5A	**5140863**	* HUB ASSY.							1					
	5131587	HUB ASSY. (FRONT ENGINE)									1	1		
5A	**5182310**	HUB ASSY.												1
	5117920	HUB (TO WATER PUMP DRIVE GEAR) (1.7640)					1						1	
	5177786	SEAL (5.2130)					1						1	
5A	**5156295**	DOWEL (1"L.)				2		2	2	2	2	2		2
5A	**5175641**	DOWEL (1 3/8"L.)	2	2									2	
5B	**5120753**	PLATE, SCUFF (1.4045)				1			1		1	1		
	181596	BOLT, 5/16"-24X7/8" (12.9001)											3	
5B	**9410925**	BOLT, 9/16"-18X2 1/4" (12.9001)				6						6		
	9418363	BOLT, 9/16"-18X5" LOCK (1.3210)							6		6			
	103320	LOCKWASHER, 5/16" (12.9200)					3						3	
		@ THRU 16VA-2452. NOT SERVICED; USE 5140795 AND INCLUDE (2) 5156295 DOWEL PINS.												
		* EFFECTIVE WITH 16VA-2453.												
		1.3240 - CONE, VIBRATION DAMPER FRONT												
5A	**5134917**	CONE (.531"L.)	1					1					1	1
5A	**5153144**	CONE (1.40"L.) (1.3250)								1				
5A	**5158640**	CONE (2.12"L.) (1.3250)		1										

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1.3000B VIBRATION DAMPER

1.3250 - CONE, VIBRATION DAMPER REAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	36	46	49	53	55	57	58	60	61	64	65
5A	5162811	CONE (.531"L.)											1	
5A	5124552	CONE (1.701"L.)		1										
5A	5132991	* CONE (2.188"L.) (1.3055)		1										
5A	5176809	CONE (2.43"L.)								1				
5A	5122481	@ CONE (3.094"L.)	1	1				1						1

* EFFECTIVE WITH 12VA-7644 FOR MODELS 7125-7200, 7201 (1200 & 1500 RPM) ONLY.

@ USE WITH FRONT PTO ONLY, TYPE 36.

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1.3000B VIBRATION DAMPER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 67	72	75	79	80	82	86	87	96	105	109	125	130
		1.3210 - DAMPER, VIBRATION													
		▪ FOR TYPE 122 USE TYPE 132.▪													
		▪ FOR TYPE 123 USE TYPE 133.▪													
		▪ FOR TYPE 124 USE TYPE 134.▪													
5B	5106222	DAMPER (15" DIA., VISCOUS)		1			1								1
5A	5100421	DAMPER (HEAVY, RUBBER)			1										
5A	8922491	DAMPER (HEAVY, VISCOUS)	1			1			2			2	1		
	5101171	DAMPER (HEAVY, VISCOUS)									1		1		
	5147600	DAMPER (HEAVY, VISCOUS)						1		1				1	
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)									1	1	1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)									1	1	1		
5A	181394	BOLT, 7/16"-20X7/8" (12.9001)	6	6	6			6							
	9409047	BOLT, 7/16"-20X1" HEX. LK. (12.9001)										8			
5A	181396	BOLT, 7/16"-20X1 1/8" (12.9001)						6	6	6				6	
5A	186645	BOLT, 7/16"-20X1 1/4" (12.9001)				6									
5B	179884	BOLT, 1/2"-13X1 3/8" (12.9001)					8								8
5B	186725	BOLT, 1/2"-13X1 1/2" (12.9001)		8											
	5150230	WASHER, 3/8" FLAT (3.4120)									1	1	1		
	103321	LOCKWASHER, 3/8" (12.9200)									1	1	1		
5A	103322	LOCKWASHER, 7/16" (12.9200)	6		6	6		6	6	6				6	
5B	103323	LOCKWASHER, 1/2" (12.9200)		AR			AR								AR
		1.3230 - HUB ASSY., VIBRATION DAMPER													
		INCLUDES DOWEL.													
5B	5128578	HUB ASSY. (REAR ENGINE)		1											
5A	5156296	HUB ASSY.			1										
5A	5140863	* HUB ASSY.					1								
	5131587	HUB ASSY. (FRONT ENGINE)		1											
5A	5134028	HUB ASSY.	1						1	1				1	
	5179011	HUB ASSY.				1									
	5140795	HUB			1										1
5A	5143215	HUB ASSY.						1							
	5148990	+ HUB ASSY.								1		1			
	5104834	HUB ASSY.											1		
	5117920	HUB (TO WATER PUMP DRIVE GEAR) (1.7640)									1	1	1		
	5167273	COUPLING & FLANGE (8.1910)												1	
	5131724	KEY, 3/8" WOODRUFF (1.3280)									1	1	1	1	
	5177786	SEAL (5.2130)													
5A	5156295	DOWEL (1"L.)	2	4	2	2	2	2		2					2
5B	5120753	PLATE, SCUFF (1.4045)		1			1								1
	5100792	PLATE, SCUFF											1		
	5117186	PLUG (2" CUP) (1.2001)					1								
	5197159	SPACER (1.24"L.) (1.3066)					1								
	181596	BOLT, 5/16"-24X7/8" (12.9001)									3	3	3		
	9409047	BOLT, 7/16"-20X1" HEX. LK.											1		
5B	9410925	BOLT, 9/16"-18X2 1/4" (12.9001)		6											
	9418363	BOLT, 9/16"-18X5" LOCK (1.3210)					6								6
	5120016	BOLT, 1"-14 X 3 1/2"												1	
	5157930	WASHER, 1 1/32" X 2 3/8" X .112" (1.3290)												1	
	103320	LOCKWASHER, 5/16" (12.9200)									3	3	3		

* EFFECTIVE WITH 16VA-2453.

\+ NOT SERVICED, USE 5104834 PLUS (11) 5100795, (11) 5100792, (10) 9409047.

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1.3000B VIBRATION DAMPER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 67	72	75	79	80	82	86	87	96	105	109	125	130
		1.3240 - CONE, VIBRATION DAMPER FRONT													
5A	**5134917**	CONE (.531"L.)				1		1	1	1		1	1	1	
5A	**5133867**	CONE (2.00"L.)	1												
5A	**5158640**	CONE (2.12"L.) (1.3250)			1										
	6525204	SEAL RING	1												
		1.3250 - CONE, VIBRATION DAMPER REAR													
5A	**5134917**	CONE (.531"L.) (1.3240)								1					
5A	**5153144**	CONE (1.40"L.)	1											1	
5A	**5124552**	CONE (1.701"L.)			1				1			1	1		
5A	**5122481**	CONE (3.094"L.)				1		1							
		1.3275 - SPACER, VIBRATION DAMPER													
	5129402	SPACER				1									

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1.3000B VIBRATION DAMPER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 132	133	134	150	151	152	154	155	156	163	164
		1.3210 - DAMPER, VIBRATION											
5B	**5106222**	DAMPER (HEAVY VISCOUS)	1	1	1								
	8922492	DAMPER				1							
5A	**8925437**	DAMPER (HEAVY VISCOUS)					1		1	1	1		1
	5147600	DAMPER (HEAVY VISCOUS; CRANKSHAFT)						1					
	8924676	DAMPER (CAMSHAFT; R. BANK)						1					
	8922491	DAMPER (HEAVY VISCOUS)										1	
	5117920	SHAFT (1.7640)						1					
	5177786	SEAL, OIL (2.8810)						1					
	5104471	RING, SEAL 2.5" IDX.070" DIA. (1.3250)							1				
	8928537	KEY, 3/32"X1/2" SPECIAL (12.9350)						1					
	181596	BOLT, 5/16"-24X7/8" (12.9001)						3					
	8927580	BOLT, 3/8"-16X1.015" (12.9001)						1					
5A	**181394**	BOLT, 7/16"-20X7/8" (12.9001)							6				
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)						6					
	9409047	BOLT, 7/16"-20X1" (12.9001)				8	6			6	6	6	6
	5100792	PLATE, SCUFF (1.3230)				1	1			1	1	1	1
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)			8								
	179844	BOLT, 1/2"-13X1 3/8" (12.9001)	8	8									
	5150230	WASHER, 3/8"X1 3/16" (3.4120)						1					
	103320	LOCKWASHER, 5/16" (12.9200)						3					
	103321	LOCKWASHER, 3/8" (12.9200)						1					
5A	**103322**	LOCKWASHER, 7/16" (12.9200)						6	6				
	103323	LOCKWASHER, 1/2" (12.9200)	8	8	8								
		1.3230 - HUB, VIBRATION DAMPER											
5B	**5128578**	HUB ASSY. (REAR ENGINE)			1								
5A	**5140863**	HUB ASSY.	1										
	5131587	HUB ASSY. (FRONT ENGINE)		1									
	5104834	HUB ASSY.				1							
5A	**5186050**	HUB ASSY.					1		1		1	1	
	5143215	HUB ASSY.						1					
5A	**5182310**	HUB ASSY.								1			1
	5140795	HUB	1										
5B	**5120753**	PLATE, SCUFF (1.4045)	1	1	1								
	5117186	PLUG (2" CUP) (1.2001)	1										
5A	**5156295**	DOWEL, 7/16"X1"	1	1				2		2			2
	5175641	DOWEL, 7/16"X1 3/8"				2	2		2		2	2	
	5198908	SLEEVE (.82" L.) (1.3066)	1										
	9410925	BOLT, 9/16"-18X2 1/4" (12.9001)		6	6								
	9418363	BOLT, 9/16"-18X5" LOCK (1.3210)	6										
		1.3240 - CONE, VIBRATION DAMPER - FRONT											
	5102957	CONE (.94" L.)				1							
5A	**5134917**	CONE (.53" L.)					1	1		1		2	
	5158640	CONE (2.12" L.) (1.3250)							1				
		1.3250 - CONE, VIBRATION DAMPER - REAR											
	5104475	CONE (1.70" L.)				1			1				
	5153144	CONE (1.40" L.)					1						
	5134917	CONE (.53" L.)						1			1		
5A	**5122481**	CONE (3.09"L.)								1	1		1

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17	46	53	90	113	114	115	119	121	129	134	136
		1.3280 - PULLEY, CRANKSHAFT												
5A	5169905	PULLEY (9" DIA., 2 GROOVES) (FRONT PTO)	1											
5A	5186473	PULLEY (9" DIA., 3 GROOVES)		1										
5A	5128954	* PULLEY (7.50" DIA., 2 GROOVES, INCLUDES HUB)				1			1					
5A	5122237	PULLEY (6.54" DIA., 3 GROOVES, 7.50" DIA., 1 GROOVE)					1							
	5122482	PULLEY (6.84" DIA., 3 GROOVES, 7.50" DIA., 1 GROOVE)						1						
5A,B	5124386	PULLEY (7.28" DIA., 3 GROOVES, 7.50" DIA., 1 GROOVE)								1				
5A	5124838	PULLEY (7.50" DIA., 3 GROOVES, 7.13" DIA., 1 GROOVE)									1			
5A	5122211	PULLEY (9" DIA., 3 GROOVES, 7.50" DIA., 1 GROOVE)										1		
5A	5124530	PULLEY (7.50" DIA., 2 GROOVES, 6.47" DIA., 3 GROOVES)											1	
5A	5124531	PULLEY (7.50" DIA., 2 GROOVES, 6.54" DIA., 3 GROOVES)												1
	5131724	KEY, 3/8"X1" WOODRUFF		1		1	2	2	1	2	2	2	2	1
		* USE WITH 5157930 RETAINER AND 5129109 SPACER IN 1.3290.												
		1.3290 - RETAINER, CRANKSHAFT PULLEY												
5A	5164160	RETAINER (1 1/2" O.D.)		1		1			1					
5A,B	5157930	RETAINER (2 3/8" O.D.)			1	1	1	1	1	1	1	1	1	1
5A,B	5153623	BOLT, 1"-14X2 1/4" (12.9001)			1		1	1		1	1	1	1	1
5A	5160266	BOLT, 1"-14X2 3/4"		1		1			1					
	8922884	DECAL		1	1	1	1	1	1	1	1	1	1	1
	5129109	SPACER (2 3/4"O.D.X.1943") (1.3280)							1					
		1.3310 - HUB, CRANKSHAFT PULLEY												
	5178036	HUB			1									
	5131724	KEY, 3/8"X1" WOODRUFF (1.3280)			2									

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 139	142	146	147	148	149	152	153	154	160	161
		1.3280 - PULLEY, CRANKSHAFT											
5A	**5122211**	PULLEY (9" DIA., 3 GROOVES, 7.50" DIA., 1 GROOVE)								1			
5A	**5128122**	PULLEY (7.50" DIA., 1 GROOVE, 6.16" DIA., 3 GROOVES)	1										
5A	**5127246**	PULLEY (7.50" DIA., 2 GROOVES, 6.84" DIA., 3 GROOVES)		1									
5A	**5126964**	# PULLEY (7.28" DIA., 2 GROOVES, 9.00" DIA., 2 GROOVES)			1								
5A	**5128954**	PULLEY (7.50" DIA., 2 GROOVES, INCLUDES HUB)				1							
5A	**5124532**	PULLEY (5 GROOVES, 3-6.84" AND 2-7.50" DIA.)					1						
5A	**5121889**	* PULLEY ASSY. (7.28" DIA., 3 GROOVES, 7.50" DIA., 1 GROOVE)						1					
5A	**5129984**	PULLEY (7.28" DIA., 3 GROOVES, 7.50" DIA., 1 GROOVE)							1				
5A	**5129383**	PULLEY (6.16" DIA., 3 GROOVES, 7.50" DIA., 2 GROOVES)									1		
5A	**5129777**	PULLEY (7.28" DIA., 3 GROOVES)										1	
5A	**5118364**	@ PULLEY (6.62" DIA., 1 GROOVE)											1
	5156295	# PIN, DOWEL (.434X1") (1.3230)						1					
	5131724	KEY, 3/8"X1" WOODRUFF				1							
5B	**5131724**	KEY, 3/8"X1" WOODRUFF	2	2	2		2	2	2	2	2	2	2
		# NO LONGER AVAILABLE FOR SERVICE.											
		* NOT SERVICED. USE 5138174 AND INCLUDE 1-5182310 HUB, 1-5122481 CONE, AND 5-181394 BOLTS.											
		@ PART OF 5121889 PULLEY ASSY.											
		1.3290 - RETAINER, CRANKSHAFT PULLEY											
5A,B	**5157930**	RETAINER (2 3/8" O.D.)	1	1	1	1	1	1	1	1	1	1	1
	8922884	DECAL	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5153623**	BOLT, 1"-14X2 1/4" (12.9001)	1	1	1		1	1	1	1		1	
5A	**5160266**	BOLT, 1"-14X2 3/4"									1		
5A	**273044**	BOLT, 1"-14X3" (12.9001)											1
5A	**5120016**	BOLT, 1"-14X3 1/2" (12.9001)				1							
		1.3295 - CONE, CRANKSHAFT PULLEY											
5A	**5135151**	CONE, 13/16"L. (1.3240)						1	2				
	5187760	SPACER, 3" DIA. (1.3275)						1	1				

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 162	165	168	170	175	176	186	187	191	195	197	204
		1.3280 - PULLEY, CRANKSHAFT												
	5109939	PULLEY (7.50" DIA., 3 GROOVES; 9" DIA. 2 GROOVES)	1											
5A	**5108979**	@ PULLEY (7.42" DIA., 2 GROOVES)		1										
5B	**5109588**	@ PULLEY (7.28" DIA., 3 GROOVES)			1									
5B	**5100225**	PULLEY (7.50" DIA., 5 GROOVES)				1								
	5173853	PULLEY (6.16" DIA., 3 GROOVES; 7.50" DIA., 2 GROOVES) (SD-93)							1					
	5130914	PULLEY (6.16" DIA., 3 GROOVES; 7.50" DIA., 2 GROOVES)										1		
5A	**5130942**	PULLEY (7.50" DIA., 3 GROOVES) (SD-62)												1
	5109662	PULLEY ASSY. (10" DIA., 4 GROOVES; 7.50" DIA., 3 GROOVES)(INCLUDES INSULATOR)					1							
5A	**5109865**	PULLEY ASSY. (7.50" DIA., 2 GROOVES) (INCLUDES DOWEL PINS)						1						
	5130382	@ PULLEY ASSY. (9" DIA., 2 GROOVES; 7.50" DIA., 1 GROOVE)(INCLUDES DOWEL PINS)								1				
	5131155	@ PULLEY ASSY. (7.50" DIA., 3 GROOVES; 9" DIA., 3 GROOVES)(INCLUDES DOWEL PINS)											1	
	5135063	PULLEY ASSY. (7.50" DIA., 5 GROOVES)									1			
	5156295	PIN, DOWEL (.434"X1") (1.3230) KEY (3/8"X1" WOODRUFF)						2		2			2	
5B	**5131724**	KEY, 3/8"X1" WOODRUFF (12.9350)	2		1	1								
		* NOT SERVICED. USE 5124386.												
		@ OBSOLETE												
		1.3290 - RETAINER, CRANKSHAFT PULLEY												
5A,B	**5157930**	RETAINER	1	1	1	1	1	1	1	1	1	1	1	1
	8922884	DECAL	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5153623**	BOLT, 1"-14X2 1/4" (12.9001)	1		1		1	1	1	1		1	1	
5A,B	**5160266**	BOLT, 1"-14X2 3/4"		1		1					1			1
		1.3295 - CONE, CRANKSHAFT PULLEY												
5A	**5135151**	CONE (13/16" L.) (1.3240)	2					2		2			2	
	5187760	SPACER, 3" DIA. (1.3275)	1					1		1			1	
		1.3311 - INSULATOR ASSY., CRANKSHAFT PULLEY HUB												
	5145047	INSULATOR ASSY.					1							
	5172771	INSULATOR ASSY.									1			

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 208	211	213	214	216	217	218	221	223	225	226	233
		1.3280 - PULLEY, CRANKSHAFT												
		• FOR TYPE 222 USE TYPE 221.•												
	NPN	PULLEY (CUSTOMER FURNISHED)					1							
5A	**5132199**	PULLEY (7.50" DIA., 3 GROOVES)	1		1	1								
5A	**5128954**	PULLEY (7.50" DIA., 2 GROOVES)		1										
5A	**5132688**	PULLEY (7.50" DIA., 2 GROOVES)						1						
5A	**5132326**	PULLEY (7.28" DIA., 3 GROOVES)							1					
	5129984	PULLEY (7.28" DIA., 3 GROOVES; 7.50" DIA., 1 GROOVE)												1
5A	**5100232**	PULLEY (7.50" DIA., 3 GROOVES)									1			
5B	**5131834**	PULLEY ASSY. (7.50" DIA., 4 GROOVES) (INCLUDES INSULATOR)								1				
	5135063	PULLEY ASSY. (7.50" DIA., 5 GROOVES)										1		
	5142131	PULLEY (9.00" DIA. 1 GROOVE) (BOLT ON ACESS. DRIVE)											1	
	5136722	* FLANGE, DRIVE (6.25" DIA.)					1							
	5139735	PLATE, BACKING (7.1505)											1	
	5131724	KEY, 3/8"X1" WOODRUFF	2	2	2	2	2	2	2	2	2	2		2
	179837	BOLT, 3/8"-16X3/4" (12.9001)											3	
	103321	LOCKWASHER, 3/8" (12.9200)											3	
		* OBSOLETE.												
		1.3290 - RETAINER, CRANKSHAFT PULLEY												
5A,B	**5157930**	RETAINER	1	1	1	1	1	1	1	1	1	1		1
	8922884	DECAL	1	1	1	1	1	1	1	1	1	1		1
5A,B	**5153623**	BOLT, 1"-14X2 1/4" (1 5/16" HEX HEAD)	1		1	1	1		1	1	1			1
5A,B	**5160266**	BOLT, 1"-14X2 3/4" (1 5/16" HEX HEAD)		1				1				1		
		1.3295 - CONE, CRANKSHAFT PULLEY												
5A	**5135151**	CONE (13/16" L.) (1.3240)									2			2
	5187760	SPACER, 3" DIA. (1.3275)								1	1			1
		1.3311 - INSULATOR ASSY., CRANKSHAFT PULLEY HUB												
	5145047	INSULATOR ASSY.										1		
	5172771	INSULATOR ASSY.								1				

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 235	238	242	244	246	247	248	252	253	255	262	263	264	269
		1.3280 - PULLEY, CRANKSHAFT														
5A	**5128954**	PULLEY (7.50" DIA., 2 GROOVE)	2													
5A	**5130859**	* PULLEY (9.00" DIA., 2 GROOVE) (7.1505)			1											
	5135260	PULLEY (7.50" DIA., 5 GROOVE)					1									
5A	**5132346**	PULLEY (9.00" DIA., 2 GROOVE)								1						
5B	**5131834**	PULLEY (7.50" DIA., 4 GROOVE)									1					
	5146430	PULLEY (7.50" DIA., 3 GROOVE)											1			
	5132687	PULLEY (7.50" DIA., 3 GROOVE)													1	
5A	**5145390**	PULLEY (9.00" DIA., 2 GROOVE) (7.1505)														1
	5135417	PULLEY ASSY. (1-7.50" GROOVE, 2-6.50" GROOVE, 3-6.84" GROOVE)(INCLUDES INSULATOR)		1												
5A	**5135302**	PULLEY ASSY. (9" DIA., 2 GROOVE) (INCLUDES DOWEL PINS)				1										
	5134922	# PULLEY ASSY. (7.50" DIA., 3 GROOVE)							1							
	5135851	@ PULLEY ASSY. (9.00" DIA., 3 GROOVE)										1				
	5100233	PULLEY ASSY. (7.50 DIA., 5 GROOVE)												1		
	5108908	PULLEY (7.50" DIA. 5 GROOVE)						1								
	5156295	PIN, DOWEL (.434"X1") (1.3230)				2										
	5131724	KEY, 3/8"X1" WOODRUFF (12.9350)	4	2	3	1	2	2	2		2	2	2	2	2	2
	5183006	BOLT, 1"-14 X 4"						1								
	5157930	WASHER, 1 1/32 X 2 3/8 X 1/2						1								
	103320	LOCKWASHER, 5/16" (12.9200)			3											
	103321	LOCKWASHER, 3/8" (12.9200)								3						3
		* NOT SERVICED. USE 5132688 AND 5145390 PULLEYS; INCLUDE 1-5139735 PLATE, 3-179839 BOLTS AND 3-103321 LOCKWASHERS.														
		@ OBSOLETE.														
		# NOT SERVICED, USE (1) EACH OF 5138080, 5175059, 5145047 AND (3) 453593.														
		1.3290 - RETAINER, CRANKSHAFT PULLEY														
5A,B	**5157930**	RETAINER	2	1	1	1	1		1		1	1	1	1	1	
	8922884	DECAL	1	1	1	1	1		1		1	1	1	1	1	
5A,B	**5153623**	BOLT, 1"-14X2 1/4" (12.9001)		1	1	1	1		1		1	1		1		
5A,B	**5160266**	BOLT, 1"-14X2 3/4"	2	1									1		1	
		1.3295 - CONE, CRANKSHAFT PULLEY														
5A	**5135151**	CONE (13/16" L.)				2	2									
	5187760	SPACER, 3" DIA. (1.3275)				1										
	5139735	SPACER, 4.26" DIA. (7.1505)								1						1
		1.3311 - INSULATOR ASSY., CRANKSHAFT PULLEY HUB														
	5172771	INSULATOR ASSY.												1		
	5145047	INSULATOR ASSY.		1												
	453593	BALL, STEEL 3/8" (9.1265)		3												

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 274	277	284	285	287	288	289	292	296	307	318	319	320
		1.3280 - PULLEY, CRANKSHAFT													
	NPN	PULLEY (CUSTOMER FURNISHED)												1	
	5138457	PULLEY (7.28 DIA., 3 GROOVE)		1											
	5139163	PULLEY (7.28" DIA., 3 GROOVE)			1										
	5138174	PULLEY (3-7.28" GROOVE, 1-7.50" GROOVE)				1									
5A	5139967	PULLEY (7.50" DIA., 2 GROOVE)					1								
5A	5132688	PULLEY (7.50" DIA., 2 GROOVE)						1							
	5140362	PULLEY (6.84" DIA., 10 POLY-VEE GROOVE)							1						
	5140361	PULLEY (7.50" DIA., 10 POLY-VEE GROOVE)								1					
	5141084	PULLEY (9.00" DIA.-10 POLY-VEE GROOVE, 2-7.50" GROOVE)									1				
	5143214	PULLEY (9.00" DIA., 4 GROOVE)										1			
	5142019	PULLEY (7.50" DIA., 1 GROOVE)											1		
	5144059	PULLEY (9.00" DIA.-10 POLY-VEE GROOVE, 7.50" DIA.-6 POLY-VEEGROOVE)													1
	5137873	PULLEY ASSY. (7.50" DIA., 3 GROOVE)	1												
5B	5131724	KEY, 3/8"X1 1/4" WOODRUFF (12.9350)				2	2	2	2	2	2	4	2	2	2
		1.3290 - RETAINER, CRANKSHAFT PULLEY													
5A,B	5157930	RETAINER		1	1	1	1	1	1	1	1	1	1	1	1
	8922884	DECAL		1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5153623	BOLT, 1"-14X2 1/4" (12.9001)		1	1		1		1	1			1	1	
5A,B	5160266	BOLT, 1"-14X2 3/4"						1			1	1			1
		1.3295 - CONE, CRANKSHAFT PULLEY													
	5141221	SPACER, 2.88" DIA. (1.3280)									1				1
		1.3310 - HUB, CRANKSHAFT PULLEY													
	5137983	HUB												1	
		1.3311 - INSULATOR ASSY., CRANKSHAFT PULLEY HUB													
	5145047	INSULATOR ASSY.										1			
	453593	BALL, STEEL 3/8" (9.1265)										13			

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 323	324	325	326	328	332	337	339	341	359	361	364	367
		1.3280 - PULLEY, CRANKSHAFT													
		• FOR TYPE 338 USE TYPE 373.•													
	5132687	PULLEY (7.50" DIA., 3 GROOVE)										1			
13A	5145947	PULLEY (6.16 DIA., 3 GROOVE)									1				
5B	5135260	PULLEY (7.50" DIA., 5 GROOVE)	1												
	5144439	PULLEY (7.50" DIA., 3 GROOVE AND 6 POLY-VEE GROOVE)		1											
13A	5136715	PULLEY ASSY. (7.50" DIA., 3 GROOVE) (INCLUDES DOWEL PINS)			1										
13A	5144696	PULLEY (7.50" DIA., 3 GROOVE)				1									
	5137816	PULLEY (9" DIA., 2 GROOVE)							1						
	5144869	# PULLEY (9.80" DIA., 10 POLY-VEE)								1					
	5101961	PULLEY ASSY. (9" DIA., 4 GROOVE)											1		
	5103487	PULLEY ASSY. (7.5 DIA., 4 GROOVE)												1	1
	5156295	PIN, DOWEL (.434"X1") (1.3230)			2										
	5101961	# PULLEY ASSY. (9"DIA., 4 GROOVE)											1		
5A,B	5131724	KEY, 3/8"X1" WOODRUFF	2	2	2	2	1	2	1	2	2		1	2	2
		# OBSOLETE.													
		1.3290 - RETAINER, CRANKSHAFT PULLEY													
5A,B	5157930	RETAINER (2 3/8" O.D.)	1	1	1	1	1	1	1	1	1	1	1	1	1
	8922884	DECAL	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5153623	BOLT, 1"-14X2 1/4" (12.9001)	1		1			1	1		1			1	1
5A,B	5160266	BOLT, 1"-14X2 3/4" (DRILLED END)				1	1			1					
5A,B	273044	BOLT, 1"-14X3" (12.9001)		1									1		
	5120016	BOLT, 1"-14X3 1/2" (12.9001)										1	1		
		1.3295 - CONE, CRANKSHAFT PULLEY													
	5135151	CONE (2.380"L.)	2		2				2						
	5187760	SPACER												1	
		1.3310 - HUB, CRANKSHAFT PULLEY													
	5144776	# HUB						1							
		# OBSOLETE.													
		1.3311 - INSULATOR ASSY., CRANKSHAFT PULLEY HUB													
	5103522	INSULATOR ASSY.												1	1
	5145047	INSULATOR ASSY.				1	1						1		
	453593	BALL, STEEL 3/8" (9.1265)				3	3						3		
	147489	BALL, STEEL 3/8 (9.1265)												6	6

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 373	388	389	390	392	393	394	395	397	398	400	401
		1.3280 - PULLEY, CRANKSHAFT												
	NPN	PULLEY (CUSTOMER FURNISHED)												
5A,B	**5122482**	PULLEY (7.50" DIA., 1 GROOVE, 6.84" DIA. 3 GROOVES)				1								
5A,B	**5124386**	PULLEY (7.50" DIA., 1 GROOVE, 7.28" DIA. 3 GROOVES)					1							
5A,B	**5132688**	PULLEY (7.50" DIA., 2 GROOVES)						1						
5A,B	**8926656**	PULLEY (7.50" DIA., 3 GROOVES)							1					
5A,B	**5186473**	PULLEY (9.00" DIA., 3 GROOVES)								1				
5A,B	**5162919**	PULLEY (7.50" DIA., 4 GROOVES)	1		1									
5A,B	**5135994**	PULLEY (7.50" DIA., 2 GROOVES)											1	
5A,B	**5138030**	PULLEY (7.50" DIA., 3 GROOVES)												1
5A,B	**5147168**	PULLEY ASSY. (7.50" DIA., 3 GROOVES)												1
5A,B	**5103487**	PULLEY ASSY. (7.50" DIA., 4 GROOVES)		1										
5A,B	**5124530**	PULLEY (7.50" DIA. 2 GROOVES-6.16" DIA., 3 GROOVES)									1			
5A,B	**5124532**	PULLEY (7.50" DIA., 2 GROOVES-6.84" DIA., 3 GROOVES)										1		
5A,B	**5131724**	KEY, 3/8"X1" WOODRUFF	2	2	2	2	2	2	2	2	2	2	2	2
		@ INCLUDES PULLEY IN 1.3280 HUB IN 1.3310 AND INSULATOR AND BALL IN 1.3311.												
		1.3290 - RETAINER, CRANKSHAFT PULLEY												
5A,B	**5157930**	RETAINER (1 1/32"X2 3/8"X1/2")	1	1	1	1	1	1	1		1	1	1	1
	5164160	RETAINER								1				
	8922884	DECAL	1											
5A,B	**5160266**	BOLT, 1"-14X2 3/4" (1 5/16" HEX. HEAD)	1											
5A,B	**23501142**	BOLT, 1"-14X2 1/4" (1 1/2" HEX. HEAD)		1		1	1				1	1	1	1
5A,B	**23501143**	BOLT, 1"-14X2 3/4" (1 1/2" HEX. HEAD)			1			1	1	1				
		1.3310 - HUB, CRANKSHAFT PULLEY												
5A,B	**5176717**	HUB		1										
5A,B	**5109246**	HUB										1		1
		1.3311 - INSULATOR ASSY., CRANKSHAFT PULLEY HUB												
	5103522	INSULATOR ASSY.		1										
	5145047	INSULATOR ASSY.										1		1
	147489	BALL, STEEL 3/8" (12.9670)		6								3		3

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4088	4208	4211	4244
		1.3280 - PULLEY, CRANKSHAFT				
5A,B	**5128122**	PULLEY (7.50" DIA. 1 GROOVE-6.16" DIA. 3 GROOVES)	1			
	5131834	+ PULLEY ASSY. (7.50" DIA. 4 GROOVES)		1		
5A,B	**5122211**	PULLEY (7.50" DIA. 1 GROOVE-9.00" DIA. 3 GROOVES)			1	
5A,B	**5145947**	PULLEY (6.16" DIA. 3 GROOVES)				1
	5131724	KEY, 3/8"X1" WOODRUFF	2	2	2	2
		+ INCLUDES HUB IN 1.3310 AND ITEMS IN 1.3311.				
		1.3290 - RETAINER, CRANKSHAFT PULLEY				
	5157930	RETAINER, 1 1/32"I.D.X2 3/8"O.D.X1/2" THK.	1	1	1	1
	23501142	BOLT, 1"-14X2 1/4" (1 1/2" HEX. HEAD)	1	1	1	1
		1.3310 - HUB, CRANKSHAFT PULLEY				
	5176717	HUB		1		
		1.3311 - INSULATOR ASSY., CRANKSHAFT PULLEY HUB				
	5145047	INSULATOR ASSY.		1		
	147489	BALL, STEEL 3/8" (12.9670)		3		

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1.3000D CRANKSHAFT PULLEY BELT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13	78	79	80	81	82	83	84	97	98	99	100
	1.3320 - BELT, CRANKSHAFT PULLEY DRIVE													
		SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN.												
	5170041	BELT (51.32"L., (JOINTED)	1											
13A	**5116780** *	BELT SET (3 BELTS, USE TYPE 218)		1										
13A	**5115056** *	BELT SET (3 BELTS, USE TYPE 99)			1									
13A	**5119702** *	BELT SET (3 BELTS, USE TYPE 213)				1								
13A	**5116778**	BELT SET (3 BELTS, 47"L.,					1							
13A	**5115053**	BELT SET (3 BELTS, 68"L.,						1						
13A	**5116779**	BELT SET (3 BELTS, 60"L.,							1					
	5118199	BELT (49.40"L.,								1				
13A	**5115057** *	BELT SET (3 BELTS, USE TYPE 210)									1			
13A	**5122844** *	BELT SET (3 BELTS, USE TYPE 209)										1		
13A	**5122849** *	BELT SET (3 BELTS, USE TYPE 207)											1	
13A	**5122847**	BELT SET (3 BELTS, 51"L., (P.)												1
		* NOT SERVICED, USE TYPE SHOWN.												
	1.3325 - BUSHING, BELT FASTENER													
	5191939	BUSHING	1											
	1.3330 - PIN SET, BELT FASTENER													
	5191940	PIN SET	1											
	1.3335 - LINK, BELT FASTENER													
	5191941	LINK	1											

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1.3000D CRANKSHAFT PULLEY BELT

1.3320 - BELT, CRANKSHAFT PULLEY DRIVE

SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 104	105	107	111	116	120	124	125	129	133	148
13A	**5124234** *	BELT SET (3 BELTS, USE TYPE 105)	1										
13A	**5123805** *	BELT SET (3 BELTS, USE TYPE 205)		1									
13A	**5124987**	BELT SET (2 BELTS, 66" L.,			1								
13A	**5136272**	BELT SET (2 BELTS, 52" L., .500"W.)				1							
13A	**5136273**	BELT SET (2 BELTS, 51" L., .500"W.)					1						
13A	**5122845** *	BELT SET (3 BELTS, USE TYPE 105)						1					
13A	**5122846**	BELT SET (3 BELTS, 43.76"L., .500"W.)							1				
13A	**5125467** *	BELT SET (3 BELTS, USE TYPE 207)								1			
13A	**5122842** *	BELT SET (3 BELTS, USE TYPE 204)									1		
13A	**5128903** *	BELT SET (3 BELTS, USE TYPE 219)										1	
13A	**5129578**	BELT SET (3 BELTS, 58"L., .500"W.) (MS.)											1

* NOT SERVICED, USE TYPE SHOWN.

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1.3000D CRANKSHAFT PULLEY BELT

1.3320 - BELT, CRANKSHAFT PULLEY DRIVE

SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 152	156	157	158	162	165	166	167	168	174	180	181
13A	**5126075** *	BELT SET (3 BELTS, USE TYPE 206)	1											
13A	**5108882** *	BELT SET (3 BELTS, USE TYPE 225)		1										
	5143493	BELT SET (3 BELTS, 74"L.,			1									
13A	**5109086**	BELT SET (3 BELTS, 74				1								
13A	**5109084** *	BELT SET (3 BELTS, 70"L.,					1							
13A	**5178504**	BELT SET (3 BELTS, 51 L., (MS.)						1						
13A	**5177316** *	BELT SET (3 BELTS, 51 L.,							1					
13A	**5140787**	BELT SET (3 BELTS, 58"L.,								1				
13A	**5130693**	BELT SET (3 BELTS, 58"L., (MS.)									1			
13A	**5109085** *	BELT SET (3 BELTS, 62 L.,										1		
13A	**5136268**	BELT SET (2 BELTS, 61"L.,											1	
13A	**5131594** *	BELT SET (2 BELTS, 61"L.,												1

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1.3000D CRANKSHAFT PULLEY BELT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 184	203	204	205	206	207	208	209	210	211	212
		1.3320 - BELT, CRANKSHAFT PULLEY DRIVE											
		SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN.											
	5111470	BELT, BILGE PUMP (49" L.)	1										
13A	**5133760**	BELT SET (3 BELTS, 48" L.)		1									
13A	**5133763**	BELT, BILGE PUMP (49" L.)			1								
13A	**5133765**	BELT SET (3 BELTS, 48" L.)				1							
13A	**5133768**	BELT SET (3 BELTS, 55" L.)					1						
13A	**5133767**	BELT SET (3 BELTS, 62 L.)						1					
13A	**5133770**	BELT SET (3 BELTS, 64" L.)							1				
13A	**5133769**	BELT SET (3 BELTS, 62" L.)								1			
13A	**5133771**	BELT SET (3 BELTS, 66" L.)									1		
13A	**5133764**	BELT SET (3 BELTS, 65" L.)										1	
13A	**5133828**	BELT SET (3 BELTS, 69" L.)											1

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1.3000D CRANKSHAFT PULLEY BELT

1.3320 - BELT, CRANKSHAFT PULLEY DRIVE

SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN.
FOR TYPE 258 USE TYPE 290.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 213	214	217	218	219	225	230	231	241	243	249	250	254
13A	5133762	BELT SET (3 BELTS, 54" L)	1												
13A	5134215	BELT SET (3 BELTS, 44.80"L,.500"W.)		1											
13A	5134591	BELT SET (3 BELTS, 46" L)			1										
13A	5133766	BELT SET (3 BELTS, 44.80 L)				1									
13A	5133761	BELT SET (3 BELTS, 53" L)					1								
13A	5135655	BELT SET (2 BELTS, 58"L,.500"W.)						1							
13A	5137359	BELT SET (2 BELTS, 64" L)							1						
13A	5137906	BELT SET (3 BELTS, 63" L)								1					
13A	5139011	BELT SET (3 BELTS, 50" L)									1				
13A	5138857	BELT SET (3 BELTS, 82" L)										1			
13A	5140787	BELT SET (3 BELTS, 58" L)											1		
13A	5140198	BELT SET (3 BELTS, 71" L)												1	
	5141154	BELT SET (2 BELTS, .50" L)													1

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1.3000D CRANKSHAFT PULLEY BELT

1.3320 - BELT, CRANKSHAFT PULLEY DRIVE

SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 262	263	265	266	267	268	269	270	272	277	280	290
13A	**5140904**	BELT (75.00"L., 1.85"W.) (POLY-V)	1											
13A	**5142135**	BELT (64.00"L., 1.85"W.) (POLY-V)		1										
13A	**5131837**	BELT SET (3 BELTS, 52" L.)			1									
13A	**5142136**	BELT (69.00"L., 1.85"W.) (POLY-V)				1								
	5143493	BELT SET (3 BELTS, 74" L.)					1							
13A	**5142133**	BELT (62.00"L., 1.85"W.) (POLY-V)						1						
	5142134	BELT (60.00"L., 1.85"W.) (POLY-V)							1					
13A	**5144532**	BELT SET (3 BELTS, 65" L.)								1				
	5144294	BELT (79"L., POLY-V)									1			
	5148464	BELT (65.5"L., POLY-V)											1	
	5109109	BELT SET (3 BELTS .50 X 49" L.)										1		
	5140747	BELT SET (3 BELTS .500"X67.00" L.)												1

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15	17	50	64	76	81	83	93	99	108	109	152	161
		1.4001 - FLYWHEEL ASSY.													
		▪ FOR TYPE 60 USE TYPE 851▪ INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; "NC" IS NON-CHAMFERED.													
6A	**5137697**	FLYWHEEL ASSY. (SAE #1) (NC)	1												
6A	**5129650**	FLYWHEEL ASSY. (SAE #1) (C)		1											
6A	**5174916**	FLYWHEEL ASSY. (SAE #1) (NC)			1										
6A	**5171840**	* FLYWHEEL ASSY. (SAE #1) (NC)				1									
6A	**5110969**	* FLYWHEEL ASSY. (SAE #1) (INCLUDES PLUG) (NC)					1								
6A	**5179061**	FLYWHEEL ASSY. (SAE #1) (NC)						1							
6A	**5174748**	FLYWHEEL ASSY. (SAE #1) (NC)							1						
6A	**5177025**	FLYWHEEL ASSY. (SAE #2) (NC)								1					
6A	**5182595**	FLYWHEEL ASSY. (SAE #1) (NC)										1			
6A	**5169439**	FLYWHEEL ASSY. (NC)											1		
6A	**5181657**	FLYWHEEL ASSY. (SAE #1) (NC)												1	
6A	**5181673**	FLYWHEEL ASSY. (SAE #2) (NC)													1
	444687	PLUG, 1/8" PIPE (12.9550)					1								
6A	**5120753**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (2 7/8" I.D.)		1	1				1	1			1	1	1
6A	**9409532**	BOLT, 9/16"-18X2" LOCK (12.9001)				6								6	6
6A	**9410925**	BOLT, 9/16 -18X2 1/4 LOCK (12.9001)	6	6	6		6	6				6	6		
6A	**9412015**	BOLT, 9/16 -18X2 1/2 LOCK (12.9001)								6					
6A	**9411631**	BOLT, 9/16 -18X2 3/4 LOCK (12.9001)							6						
		* OBSOLETE.													
		1.4010 - GEAR, FLYWHEEL RING													
6A	**5184773**	GEAR, 118 TEETH (NON-CHAMF.)	1			1	1	1	1			1	1	1	
6A	**5166664**	GEAR, 118 TEETH (R.H. CHAMF.)		1	1						1				
6A	**5188030**	GEAR, 102 TEETH (NON-CHAMF.)								1					1
		1.4040 - BEARING, CLUTCH PILOT													
	907594	BEARING (N.D. Z99606X1C)		1		1	1					1			
	906986	BEARING (N.D. Z99506PLR1C)						1		1					
	907302	BEARING (N.D.H. Z3305)													
		1.4045 - RETAINER, CLUTCH PILOT BEARING													
	5120753	RETAINER		1		1		1							
	2190970	RETAINER					1								
	5176427	RETAINER						1				1			

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15	17	50	64	76	81	83	93	99	108	109	152	161
	1.4060	**- COUPLING, ENGINE DRIVE SHAFT FLEXIBLE**													
	5181675	COUPLING ASSY. (INCLUDES SPRING IN 1.4065)													
	9409079	BOLT, 3/8"-16X7/8" (12.9001)												18	18
	1.4065	**- SPRING, FLEXIBLE COUPLING DAMPER**													
	6756516	SPRING												12	12

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 170	182	198	210	237	240	242	244	250	259	267	272	277	278
		1.4001 - FLYWHEEL ASSY.														
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; "NC" IS NON-CHAMFERED.														
6A	5129650	FLYWHEEL ASSY. (SAE #1) (C)					1									
6A	5188150	FLYWHEEL ASSY. (SAE #1) (NC)	1													
6A	5189674	FLYWHEEL ASSY. (SAE #1) (NC)		1												
6A	5110656	FLYWHEEL ASSY. (SAE #1) (C)												1		
6A	5110822	* FLYWHEEL ASSY. (SAE #2) (NC)			1											
6A	5143662	FLYWHEEL ASSY. (SAE #1) (C)													1	
6A	5136022	FLYWHEEL ASSY. (SAE #2) (NC)				1										
6A	5183033	FLYWHEEL ASSY. (SAE #2) (C)						1								
6A	5153119	FLYWHEEL ASSY. (SAE #2) (C)							1							
6A	5113971	* FLYWHEEL ASSY. (SAE #2) (C)								1						
6A	5112473	FLYWHEEL ASSY. (SAE #1) (NC)									1					
6A	5145502	FLYWHEEL ASSY. (SAE #2) (NC)										1				
6A	5116793	FLYWHEEL ASSY. (SAE #2) (NC)											1			
6A	5128708	FLYWHEEL ASSY. (SAE #1) (NC)														1
6A	5120753	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (2 7/8" I.D.)		1	1	1		1	1	1	1	1	1	1	1	1
6A	9412014	BOLT, 9/16"-18X1.75" LOCK (12.9001)				6										
6A	9410925	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)		6			6	6	6		6				6	6
6A	9412015	BOLT, 9/16 -18X2 1/2 LOCK (12.9001)	6											6		
6A	9411631	BOLT, 9/16 -18X2 3/4 LOCK (12.9001)			6					6			6			
6A	9409606	BOLT, 9/16 -18X2 7/8 LOCK (12.9001)										6				
		* OBSOLETE.														
		1.4010 - GEAR, FLYWHEEL RING														
6A	5184773	GEAR, 118 TEETH (NON-CHAMF.)	1	1							1					
6A	5166664	GEAR, 118 TEETH (R.H. CHAMF.)				1	1							1		
6A	5188030	GEAR, 102 TEETH (NON-CHAMF.)			1							1	1			
6A	5112743	GEAR, 118 TEETH (L.H. CHAMF.)													1	1
6A	5181776	GEAR, 103 TEETH (NON-CHAMF.)						1	1	1						
		1.4040 - BEARING, CLUTCH PILOT														
	907594	BEARING (N.D. Z99606X1C)										1				
	907302	BEARING (N.D.H. Z3305)										1	1			
	7451256	BEARING	1													
	5129220	BUSHING				1										
	5162779	SEAL, GREASE	1													
		1.4045 - RETAINER, CLUTCH PILOT BEARING														
	5120753	RETAINER				1										
	5187146	RETAINER	1													
	5109008	RETAINER (PRESSED IN CRANKSHAFT)				1										

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 282	290	292	293	310	311	312	317	319	337	338	339
		1.4001 - FLYWHEEL ASSY.												
		• FOR TYPE 284, USE TYPE 764.•												
		INCLUDES GEAR IN 1.4010.												
		"C" INDICATES A CHAMFERED ASSY.												
		"NC" IS NON-CHAMFERED.												
	5118448	FLYWHEEL ASSY. (SAE #2) (NC)	1											
6A	3229333	FLYWHEEL ASSY. (SAE #1) (C)		1										
6A	5120139	FLYWHEEL ASSY. (SAE #1) (NC)			1									
6A	5121592	FLYWHEEL ASSY. (SAE #2) (NC)				1								
6A	5189945	* FLYWHEEL ASSY. (SAE #2) (C)					1							
6A	5181657	FLYWHEEL ASSY. (SAE #1) (NC)						1						
6A	5174748	FLYWHEEL ASSY. (SAE #1) (NC)							1					
6A	5123689	FLYWHEEL ASSY. (SAE #1) (NC)								1				
6A	5138586	FLYWHEEL ASSY. (SAE #2) (C)									1			
6A	5179061	FLYWHEEL ASSY. (SAE #1) (NC)										1		
6A	5177588	* FLYWHEEL ASSY. (SAE #2) (NC)											1	
6A	5119988	FLYWHEEL ASSY. (SAE #1) (NC)												1
	5129687	* PIN, DRIVING (7/16"-20)					4							
	5151576	PIN (1/2" X 1 5/8") (1.1001)										1		
6A	5120753	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (2 7/8"I.D.) (1.4045)	1	1	1	1	1	1	1		1	1		
6A	9409532	BOLT, 9/16"-18X2" LOCK (12.9001)			6			6		6				
6A	9410925	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)		6					6			6		6
6A	9411631	BOLT, 9/16"-18X2 3/4" LOCK (12.9001)	6			6					6		6	
	9409606	BOLT, 9/16"-18X2 7/8" LOCK (12.9001)												
6A	9412017	BOLT, 9/16 -18X3 1/2" LOCK (12.9001)								6	6			
	103342	BOLT, 9/16"-18X3 1/2" LOCK (12.9001)					4							
	272918	NUT, 7/16"-20 LOCK (12.9120)					4							
		* OBSOLETE												
		1.4010 - GEAR, FLYWHEEL RING												
6A	5184773	GEAR, 118 TEETH (NON-CHAMF.)		1	1			1	1	1		1		1
6A	5188030	GEAR, 102 TEETH (NON-CHAMF.)	1			1							1	
6A	5110894	GEAR, 102 TEETH (R.H. CHAMF.)									1			
6A	5110893	GEAR, 102 TEETH (L.H. CHAMF.)					1							
		1.4040 - BEARING, CLUTCH PILOT												
	906986	BEARING (N.D. Z99506PLR1C)				1								
	907594	BEARING (N.D. Z99606X1C)	1							1				
	907084	BEARING (N.D. Z9950L1C)												1
		1.4045 - RETAINER, CLUTCH PILOT BEARING												
	5176427	RETAINER		1										
	5120753	RETAINER	1											1

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 341	342	343	354	357	359	361	367	368	371	379	380
		1.4001 - FLYWHEEL ASSY.												
		* FOR TYPE 344, USE TYPE 730.*												
		INCLUDES GEAR IN 1.4010.												
		"C" INDICATES A CHAMFERED ASSY.												
		"NC" IS NON-CHAMFERED.												
6A	5124516	+ FLYWHEEL ASSY. (SAE #1) (NC)	1											
6A	5145500	FLYWHEEL ASSY. (SAE #2) (NC)		1										
6A	5124453	* FLYWHEEL ASSY. (SAE #1) (NC)			1									
6A	5123831	FLYWHEEL ASSY. (SAE #2) NNC)					1							
6A	5125672	FLYWHEEL ASSY. (SAE #1) (NC)						1						
6A	5129577	FLYWHEEL ASSY. (SAE #1) (C)							1					
6A	5125660	FLYWHEEL ASSY. (SAE #1/2) (NC)								1	1			
6A	5125661	FLYWHEEL ASSY. (SAE #1/2) (C)										1		
6A	5124825	# FLYWHEEL ASSY. (SAE #2) (C)											1	
6A	5126567	+ FLYWHEEL ASSY. (SAE #0) (NC)												1
	444687	PLUG, 1/8" PIPE (12.9550)			1									
	191758	FITTING, 1/8" (12.9540)			1									
	5188926	BUSHING, CLUTCH DRIVE PLATE (9.3042)											1	
6A	5120753	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (2 7/8"I.D.) (1.4045)	1	1	1		1	1	1			1	1	
6A	5109198	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (1.91"I.D.)									1			
6A	5106726	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (1.91" I.D.)								1				
6A	5110784	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (2 3/4"I.D.) (1.4045)												1
6A	9409532	BOLT, 9/16"-18X2" LOCK (12.9001)			6								6	
6A	9410925	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)						6	6					6
6A	9412015	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)					6					6		
6A	9411631	BOLT, 9/16"-28X2 1/2" LOCK (12.9001)		6							6			
6A	9412016	BOLT, 9/16"-18X2 3/4" LOCK (12.9001)	6											
6A	9412017	BOLT, 9/16"-18X3 3/4" LOCK (12.9001)								6				
		* ALSO INCLUDES PLUG AND FITTING.												
		# ALSO INCLUDES BUSHING IN 1.4001.												
		+ OBSOLETE.												
		1.4010 - GEAR, FLYWHEEL RING												
6A	5184773	GEAR, 118 TEETH (NON-CHAMF.)	1		1	1		1		1	1			1
6A	5188030	GEAR, 102 TEETH (NON-CHAMF.)					1							
6A	5110894	GEAR, 102 TEETH (R.H. CHAMF.)		1										
6A	5166664	GEAR, 118 TEETH (R.H. CHAMF.)							1			1		
6A	5110893	GEAR, 102 TEETH (L.H. CHAMF.)											1	
		1.4040 - BEARING, CLUTCH PILOT												
	907594	BEARING (N.D. Z99606X1C)					1							
	7451462	BEARING								1				
	5162780	SEAL, GREASE								1				

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 381	382	386	389	390	391	392	394	400	403	404	406
		1.4001 - FLYWHEEL ASSY.												
		▪ FOR TYPE 405 USE 755.▪ INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; "NC" IS NON-CHAMFERED.												
6A	5109462	FLYWHEEL ASSY. (SAE #1) (C)	1											
6A	5123875	@ FLYWHEEL ASSY. (SAE #1/2) (NC)		1										
6A	5144967	FLYWHEEL ASSY. (SAE #2) (C)			1									
6A	5138863	FLYWHEEL ASSY. (SAE #1) (C)				1								
6A	5140191	FLYWHEEL ASSY. (SAE #2) (C)					1							
6A	5126487	FLYWHEEL ASSY. (SAE #2) (C)						1						
6A	5177033	* FLYWHEEL ASSY. (SAE #1) (C)							1					
6A	5136337	FLYWHEEL ASSY. (SAE #1) (C)								1				
6A	5145501	FLYWHEEL ASSY. (SAE #2) (C)									1			
6A	5128919	FLYWHEEL ASSY. (SAE #1) (C)										1		
6A	5129055	FLYWHEEL ASSY. (SAE #1/2) (C)											1	
6A	5128075	FLYWHEEL ASSY. (SAE #2) (NC)												1
	444687	PLUG, 1/8" PIPE (12.9550)							1					
6A	5109198	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (1.91"I.D.)											1	
6A	5120753	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (2 7/8"I.D.) (1.4045)	1	1	1	1	1	1		1	1	1	1	1
6A	9409532	BOLT, 9/16"-18X2" LOCK (12.9001)										6		
6A	9410925	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)	6	6	6	6	6	6	6					
6A	9412015	BOLT, 9/16 -18X2 1/2 LOCK (12.9001)	6											
6A	9411631	BOLT, 9/16 -18X2 3/4 LOCK (12.9001)						6			6			6
6A	9409606	BOLT, 9/16 -18X2 7/8 LOCK (12.9001)		6										
6A	9412017	BOLT, 9/16 -18X3 1/2" LOCK (12.9001)											6	
		@ OBSOLETE. * INCLUDES PLUG IN 1.4001.												
		1.4010 - GEAR, FLYWHEEL RING												
6A	5166664	GEAR, 118 TEETH (R.H. CHAMF.)							1			1	1	
6A	5188030	GEAR, 102 TEETH (NON-CHAMF.)			1						1			
6A	5181776	GEAR, 103 TEETH (NON-CHAMF.)											1	
6A	5184773	GEAR, 118 TEETH (NON-CHAMF.)	1	1		1				1				
6A	5110894	GEAR, 102 TEETH (R.H. CHAMF.)					1	1						
		1.4040 - BEARING, CLUTCH PILOT												
	907594	BEARING (N.D. Z99606X1C)							1					
		1.4045 - RETAINER, CLUTCH PILOT BEARING												
	2190970	RETAINER				1			1					

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 381	382	386	389	390	391	392	394	400	403	404	406
		1.4070 - PLATE, FLYWHEEL CLUTCH DRIVING												
	69182	PLATE (8.1035)							1					
	69186	PIN, CLUTCH COVER PLATE DOWEL (8.1035)							3					
	69187	RETAINER, CLUTCH COVER PLATE DOWEL PIN (8.1035)							3					
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)							6					
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)							9					
	69185	LOCKWASHER, FLYWHEEL CLUTCH BOLT (8.1035)							6					
	103323	LOCKWASHER, 1/2" (12.9200)							9					

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 410	414	417	418	419	427	428	429	430	431	432	438	439
		1.4001 - FLYWHEEL ASSY.													
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; "NC" IS NON CHAMFERED.													
6A	**5128657**	FLYWHEEL ASSY. (SAE #1) (NC)	1												
6A	**5129577**	FLYWHEEL ASSY. (SAE #1) (C)			1										
6A	**5129650**	FLYWHEEL ASSY. (SAE #1) (C)				1									
6A	**5129460**	FLYWHEEL ASSY. (SAE #2) (NC)					1								
6A	**5138343**	FLYWHEEL ASSY. (SAE #1) (C)						1							
6A	**5129655**	FLYWHEEL ASSY. (SAE #1) (NC)						1							
6A	**5129869**	* FLYWHEEL ASSY. (SAE #1) (C)								1					
6A	**5129560**	FLYWHEEL ASSY. (SAE #1) (NC)									1				
6A	**5122949**	FLYWHEEL ASSY. (SAE #0) (C)										1			
6A	**5100064**	FLYWHEEL ASSY. (SAE #2) (NC)											1		
6A	**5100083**	@ FLYWHEEL ASSY. (SAE #1/2) (NC)												1	
6A	**5129130**	FLYWHEEL ASSY. (SAE #1)		1											
6A	**5100081**	# * FLYWHEEL ASSY. (SAE #1) (NC)													1
	5111145	* FLYWHEEL AND DRIVE PIN ASSY. (C)							1						
	444687	PLUG, 1/8" PIPE (12.9550)													1
6A	**5189466**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (1 15/16"I.D.) (1.4045)												1	
6A	**5120753**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (2 7/8"I.D.) (1.4045)	1	1	1	1	1	1	1	1	1		1		
6A	**5100532**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (3"I.D.)										1			
6A	**9412014**	BOLT, 9/16"-18X1.75" LOCK (12.9001)								6					
6A	**9409532**	BOLT, 9/16"-18X2" LOCK (12.9001)							6		6				
6A	**9410925**	BOLT, 9/16"-18X1.75" LOCK (12.9001)	6		6	6	6	6							6
6A	**9412015**	BOLT, 9/16"-18X2" LOCK (12.9001)		6								6			
6A	**9409606**	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)											6		
6A	**9412016**	BOLT, 9/16"-18X2 1/2" LOCK (12.9001)												6	
	5129687	* BOLT, 9/16"-18X2 7/8" LOCK (12.9001)							4						
	103342	WASHER, 7/16" (12.9190)							4						
	272628	NUT, 7/16"-20 LOCK (12.9140)							4						
		* OBSOLETE													
		@ NOT SERVICED; REPLACE WITH 5138185 FOR R.H. ENGINE OR 5146792 FOR L.H. ENGINE.													
		# INCLUDES PLUG IN 1.4001.													
		& INCLUDES ITEMS IN 1.4001 EXCEPT SCUFF PLATE AND BOLTS.													
		1.4010 - GEAR, FLYWHEEL RING													
6A	**5166664**	GEAR, 118 TEETH (R.H. CHAMF.)			1	1				1		1			
6A	**5188030**	GEAR, 102 TEETH (NON-CHAMF.)					1						1		
6A	**5184773**	GEAR, 118 TEETH (NON-CHAMF.)	1	1							1			1	1
6A	**5110894**	GEAR, 102 TEETH (R.H. CHAMF.)						1	1						

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 410	414	417	418	419	427	428	429	430	431	432	438	439
		1.4040 - BEARING, CLUTCH PILOT													
	907594	BEARING (N.D. Z99606X1C)	1			1									1
	7451462	BEARING												1	
	5162780	SEAL, GREASE (1.4042)												1	
		1.4045 - RETAINER, CLUTCH PILOT BEARING													
	2190970	RETAINER													1
		1.4070 - PLATE, FLYWHEEL CLUTCH DRIVING													
	69182	PLATE (8.1035)	1												1
	69186	PIN, CLUTCH COVER PLATE DOWEL (8.1035)	3												3
	69187	RETAINER, CLUTCH COVER PLATE DOWEL PIN (8.1035)	3												
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	6												
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)	9												
	69185	LOCKWASHER, FLYWHEEL CLUTCH BOLT (8.1035)	6												
	103323	LOCKWASHER, 1/2" (12.9200)	9												

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 440	446	450	455	456	457	461	462	464	465	467	469
		1.4001 - FLYWHEEL ASSY.												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY. "NC" IS NON-CHAMFERED.												
	5100080	# FLYWHEEL ASSY. (SAE #1/2) (NC)	1											
6A	5109025	FLYWHEEL ASSY. (SAE #1) (C)		1										
6A	5109041	# FLYWHEEL ASSY. (SAE #1/2) (C)			1									
6A	5109098	FLYWHEEL ASSY. (SAE #1) (NC)				1								
6A	5109407	# FLYWHEEL ASSY. (SAE #1) (NC)					1							
6A	5109096	FLYWHEEL ASSY. (SAE #1) (NC)						1						
6A	5109297	# FLYWHEEL ASSY. (SAE #1) (NC)							1					
6A	5127891	FLYWHEEL ASSY. (SAE #1/2) (C)								1				
6A	5109462	FLYWHEEL ASSY. (SAE #1) (C)									1			
6A	5130683	# FLYWHEEL ASSY. (SAE #1) (NC)										1		
6A	5139270	FLYWHEEL ASSY. (SAE #1) (C)											1	
6A	5109054	FLYWHEEL ASSY. (SAE #1) (NC)												1
	5130621	ADAPTOR, TORQUE CONVERTER										1		
	5108961	FLANGE, DRIVING						1						
	9413378	RETAINER, TORQUE CONVERTER DRIVING FLANGE						1						
6A	5109198	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (1.91"I.D.)			1									
6A	5120753	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (2 7/8"I.D.)									1			1
6A	5100532	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (3"I.D.)		1			1		1					
6A	9409215	BOLT, 3/8"-16X1 1/4" (ADAPTOR TO FLYWHEEL) (12.9001)										6		
`A	9410925	* BOLT, 9/16"-18X2 1/4"L. LOCK (12.9001)		6			6	6	6		6			6
6A	9412015	BOLT, 9/16"-18X2 1/2"L. LOCK (12.9001)	6											
6A	9411631	@ BOLT, LOCK (9/16"-18X2 3/4"L.) (12.9001)				6	6			6			6	
6A	9412017	BOLT, LOCK (9/16"-18X3 1/2"L.) (12.9001)			6									
		* EFFECTIVE WITH 8VA-8600, TYPE 521.												
		@ THRU 8VA-8599, TYPE 521.												
		# OBSOLETE.												
		1.4010 - GEAR, FLYWHEEL RING												
6A	5166664	GEAR, 118 TEETH (R.H. CHAMF.) (BENDIX)	1	1	1					1	1		1	
6A	5184773	GEAR, 118 TEETH (NON-CHAMF.)				1	1	1	1			1		1
		1.4040 - BEARING, CLUTCH PILOT												
	7451462	BEARING (8.1450)			1									
	7451256	BEARING								1				
	5108941	ADAPTOR (2.62"I.D.)			1									

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 440	446	450	455	456	457	461	462	464	465	467	469
		1.4040 - BEARING, CLUTCH PILOT (CONT'D)												
	5162780	SEAL, GREASE			1									
	5162779	SEAL, GREASE								1				
		1.4045 - RETAINER, CLUTCH PILOT BEARING												
	5187146	RETAINER								1				
		1.4070 - PLATE, FLYWHEEL CLUTCH DRIVING												
	5108947	PLATE				1							1	

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 470	490	491	492	496	497	506	509	511	518	521	523	524
		1.4001 - FLYWHEEL ASSY.													
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; "NC" IS NON-CHAMFERED.													
6A	**5131851**	FLYWHEEL ASSY. (SAE #2) (C)	1												
6A	**5130280**	FLYWHEEL ASSY. (SAE 1) (NC)		1											
6A	**5179042**	FLYWHEEL ASSY. (SAE #1/2) (C)			1										
6A	**5100079**	* FLYWHEEL ASSY. (SAE #1) (NC)			1										
6A	**5130664**	FLYWHEEL ASSY. (SAE #1) (NC)					1								
6A	**5130683**	* FLYWHEEL ASSY. (SAE #1) (NC)						1							
6A	**5130910**	FLYWHEEL ASSY. (SAE #1) (C)							1						
6A	**5186964**	FLYWHEEL ASSY. (SAE #1) (NC)								1					
6A	**5100540**	FLYWHEEL ASSY. (SAE #1) (NC)									1				
6A	**5131838**	FLYWHEEL ASSY. (SAE #1) (NC)										1			
6A	**5131855**	FLYWHEEL ASSY. (SAE #1) (NC)											1		
6A	**5178626**	FLYWHEEL ASSY. (SAE #2) (C)												1	
6A	**5132020**	FLYWHEEL ASSY. (SAE #1) (C)													1
	5130621	ADAPTOR, TORQUE CONVERTER						1							
6A	**5125654**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (1.91"I.D.)RETAINER) (2 3/4"I.D.) (1.4045)	1											1	
6A	**5120753**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (2 7/8"I.D.)		1		1		1				1	1		1
6A	**5187146**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (1.68" I.D.)								1					
6A	**5100532**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (3"I.D.)			1		1				1				
6A	**9409215**	BOLT, 3/8"-16X1 1/4" (ADAPTOR TO FLYWHEEL) (12.9001)						6							
6A	**9409532**	BOLT, 9/16"-18X2" LOCK (12.9001)	6										6	6	
6A	**9410925**	* BOLT, 9/16"-18X2 1/4" LOCK (12.9001)		6		6	6	6	6			6	6		
6A	**9412015**	BOLT, 9/16"-18X2 1/2" LOCK (12.9001)		6					6	6	6				
6A	**9411631**	@ BOLT, 9/16-18X2 3/4"L. LOCK (12.9001)											6		
		* EFF. WITH 8VA-8600, TYPE 521. @ THRU 8VA-8599, TYPE 521.													
		1.4010 - GEAR, FLYWHEEL RING													
6A	**5166664**	GEAR, 118 TEETH (R.H. CHAMF.) (BENDIX)			1										1
6A	**5184773**	GEAR, 118 TEETH (NON-CHAMF.)		1		1	1	1	1	1	1	1	1		
6A	**5110894**	GEAR, 102 TEETH (R.H. CHAMF.)	1												
6A	**5110893**	GEAR, 102 TEETH (L.H. CHAMF.)												1	
		1.4040 - BEARING, CLUTCH PILOT													
	907594	BEARING (N.D. Z99606X1C)	1								1			1	

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 470	490	491	492	496	497	506	509	511	518	521	523	524
		1.4045 - RETAINER, CLUTCH PILOT BEARING													
	5109008	RETAINER							1						
		1.4070 - PLATE, FLYWHEEL CLUTCH DRIVING													
	5125841	PLATE (8.1035)	1											1	
	186678	BOLT, 3/8"-16X1" (12.9001)	12											12	
	120382	LOCKWASHER, 3/8" (12.9200)	12											12	

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 529	531	537	539	541	543	546	547	548	552	554	558	569
		1.4001 - FLYWHEEL ASSY.													
		• FOR TYPE 528 USE TYPE 756.■ INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; "NC" IS NON-CHAMFERED.													
6A	**5132447**	* FLYWHEEL ASSY. (SAE #0) (NC)	1												
6A	**5132619**	FLYWHEEL ASSY. (SAE #0) (C)		1											
6A	**5129577**	FLYWHEEL ASSY. (SAE #1) (C)			1										
6A	**5133068**	FLYWHEEL ASSY. (SAE #0) (C)				1									
6A	**5133067**	FLYWHEEL ASSY. (SAE #0) (C)					1								
6A	**5110206**	FLYWHEEL ASSY. (SAE #1) (NC)						1							
6A	**5133469**	FLYWHEEL ASSY. (SAE #1) (NC)							1						
6A	**5133482**	* FLYWHEEL ASSY. (SAE #1) (NC)								1					
6A	**5133660**	* FLYWHEEL ASSY. (SAE #0) (C)										1			
6A	**5133894**	FLYWHEEL ASSY. (SAE #1) (NC)											1		
6A	**5119988**	FLYWHEEL ASSY. (SAE #1) (NC)												1	
6A	**5134417**	FLYWHEEL ASSY. (SAE #2) (NC)													1
6A	**5120753**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (2 7/8"I.D.) (1.4045)			1			1					1	1	1
6A	**5100532**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (3"I.D.)	1	1		1	1		1	1		1			
6A	**9409532**	BOLT, 9/16"-18X2"L. LOCK (12.9001)						6							
6A	**9410925**	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)			6	6			6	6			6	6	6
6A	**9412015**	BOLT, 9/16 -18X2 1/2" LOCK (12.9001)		6											
6A	**9412017**	BOLT, 9/16 -18X3 1/2" LOCK (12.9001)	6				6								
		* OBSOLETE.													
		1.4010 - GEAR, FLYWHEEL RING													
6A	**5166664**	GEAR, 118 TEETH (R.H. CHAMF.)		1	1	1	1								
6A	**5184773**	GEAR, 118 TEETH (NON-CHAMF.)	1					1	1	1			1	1	
6A	**5112743**	GEAR, 118 TEETH (L.H. CHAMF.)										1			
		1.4040 - BEARING, CLUTCH PILOT													
	907594	BEARING (N.D. Z99606X1C)			1										
	906986	BEARING (N.D. Z99506PLR1C)						1							
		1.4045 - RETAINER, CLUTCH PILOT BEARING													
	5176427	RETAINER						1							
		1.4055 - CARRIER, FLYWHEEL PILOT BEARING													
	5132535	CARRIER (8.996" DIA.)		1											
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)		6											
	103322	LOCKWASHER, 7/16" (12.9200)		6											

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 529	531	537	539	541	543	546	547	548	552	554	558	569
		1.4075 - DISC, FLYWHEEL FLEXIBLE COUPLING													
		A DISC ASSY. INCLUDES DISCS AND 12-9409056 BOLTS IN 1.4075 AND ITEMS IN 1.4080 AND 1.4085.													
	6750468	DISC (8.3247)									4				
	6751516	DISC (8.3247)									1				
	6750517	DISC ASSY. (8.3245)									1				
	5120753	PLATE, FLYWHEEL SCUFF (2 7/8"I.D.) (1.4045)									1				
	9412014	BOLT, 9/16"-18X1 3/4" LOCK (12.9001)									6				
		1.4080 - HUB, FLYWHEEL FLEXIBLE COUPLING													
	6769418	HUB ASSY. (INCLUDES PIN) (8.3250)									1				
	456876	PIN (8.3250)									1				
		1.4085 - PLATE, FLYWHEEL FLEXIBLE COUPLING													
	6753364	PLATE (8.3252)									1				

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 560	561	563	569	571	578	580	583	584	585	587	589	595
		1.4001 - FLYWHEEL ASSY.													
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; "NC" IS NON-CHAMFERED.													
6A	**5134087**	+ FLYWHEEL ASSY. (SAE #1) (NC)	1												
6A	**5134210**	* FLYWHEEL ASSY. (SAE #1) (C)		1											
6A	**5134214**	FLYWHEEL ASSY. (SAE #0) (NC)			1										
6A	**5134698**	FLYWHEEL ASSY. (SAE #1) (NC)					1								
6A	**5135047**	* FLYWHEEL ASSY. (SAE #1) (C)						1							
6A	**5133316**	FLYWHEEL ASSY. (SAE #0) (C)							1						
6A	**5135424**	FLYWHEEL ASSY. (SAE #0) (NC)								1					
6A	**5147899**	FLYWHEEL ASSY. (SAE #1) (C)									1				
6A	**5174748**	FLYWHEEL ASSY. (SAE #1) (NC)										1			
6A	**5135187**	* FLYWHEEL ASSY. (SAE #1) (NC)											1		
6A	**5176322**	FLYWHEEL ASSY. (SAE #1) (C)												1	
6A	**5130910**	FLYWHEEL ASSY. (SAE #1) (C)													1
6A	**5134417**	FLYWHEEL ASSY. (SAE #2) (NC)				1									
6A	**5187146**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER (1 11/64"I.D.) (1.4045)					1								
6A	**5189466**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (1 15/16"I.D.) (1.4045)	1												
6A	**5125654**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (1.91"I.D.)										1			
6A	**5120753**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (2 7/8"I.D.) (1.4045)				1				1	1		1	1	1
6A	**5100532**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (3"I.D.)		1	1			1	1						
	5102915	SHIM 3.50X1.25-.030 THK.							4						
	5103032	SHIM 3.50X1.25-.060 THK.							12						
6A	**9409532**	BOLT, 9/16"-18X2"L. LOCK (12.9001)						6	6						
6A	**9410925**	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)	6			6					6		6		6
6A	**9412015**	BOLT, 9/16"-18X2 1/2" LOCK (12.9001)		6						6					
6A	**9411631**	BOLT, 9/16"-18X2 3/4" LOCK (12.9001)					6					6		6	
6A	**9412017**	BOLT, 9/16 -18X3 1/2 L. LOCK (12.9001)			6										
		* OBSOLETE-NO REPLACEMENT													
		+ NOT SERVICED, FOR SERVICE USE 5103212 AND (6) 9410925 BOLTS.													
		1.4010 - GEAR, FLYWHEEL RING													
6A	**5166664**	GEAR, 118 TEETH (R.H. CHAMF.)		1				1	1					1	1
6A	**5184773**	GEAR, 118 TEETH (NON-CHAMF.)	1		1		1			1	1	1	1		
6A	**5188030**	GEAR, 102 TEETH (NON-CHAMF.)				1									
		1.4040 - BEARING, CLUTCH PILOT													
	907594	BEARING (N.D. Z99606X1C)										1	1		
	906986	BEARING (N.D. Z99506PLR1C)													1
	7451256	BEARING					1								
	5162779	SEAL, GREASE (1.4042)					1								

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 560	561	563	569	571	578	580	583	584	585	587	589	595	
		1.4045 - RETAINER, CLUTCH PILOT BEARING														
	5109008	RETAINER (1.4001)													1	

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 596	610	613	619	622	625	629	631	632	634	635	643	646	648
		1.4001 - FLYWHEEL ASSY.														
		• FOR TYPE 616 USE TYPE 863.■ INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; "NC" IS NON-CHAMFERED.														
6A	**5136022**	FLYWHEEL ASSY. (SAE #1) (NC)	1													
6A	**5135479**	* FLYWHEEL ASSY. (SAE #1) (NC)		1												
6A	**5137125**	* FLYWHEEL ASSY. (SAE #1) (NC)			1											
6A	**5134577**	FLYWHEEL ASSY. (SAE #2) (NC)				1										
6A	**5127222**	FLYWHEEL ASSY. (SAE #1) (NC)					1									
6A	**5137697**	FLYWHEEL ASSY. (SAE #1) (NC)						1								
6A	**5136589**	FLYWHEEL ASSY. (SAE #0) (NC)							1							
6A	**5138864**	FLYWHEEL ASSY. (SAE #1) (C)								1						
6A	**5138046**	* FLYWHEEL ASSY. (SAE #1) (NC)										1				
6A	**5137817**	FLYWHEEL ASSY. (SAE #1) (NC)											1			
6A	**5138257**	FLYWHEEL ASSY. (SAE #2) (C)												1		
6A	**5138223**	* FLYWHEEL ASSY. (SAE #0) (NC)													1	
6A	**5119988**	FLYWHEEL ASSY. (SAE #1) (NC)														1
6A	**5118448**	FLYWHEEL ASSY. (SAE #2) (NC)									1					
6A	**5120753**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (2 5/8"I.D.) (1.4045)	1		1	1	1	1		1	1	1		1	1	1
6A	**5100532**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (3"I.D.)		1					1				1			
6A	**9412014**	BOLT, 9/16"-18X1.75" LOCK (12.9001)	6													
6A	**9410925**	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)		6	6		6			6		6			6	6
6A	**9412015**	BOLT, 9/16"-18X2 1/2" (12.9001)							6							
6A	**9411631**	BOLT, 9/16"-18X2 3/4" (12.9001)				6		6			6			6		
6A	**9420037**	BOLT, 9/16 -18X3 1/8" LOCK (12.9001)											6			
		* OBSOLETE.														
		1.4010 - GEAR, FLYWHEEL RING														
6A	**5184773**	GEAR, 118 TEETH (NON-CHAMF.)		1	1		1	1	1	1		1	1		1	1
6A	**5110894**	GEAR, 102 TEETH (R.H. CHAMF.)												1		
6A	**5166664**	GEAR, 118 TEETH (R.H. CHAMF.)	1													
6A	**5188030**	GEAR, 102 TEETH (R.H. NON-CHAMF.)				1					1					
		1.4040 - BEARING, CLUTCH PILOT														
	907594	BEARING (N.D. Z99606X1C)				1	1			1						
	954472	BEARING (N.D. 5507L1C)						1								
	5138148	ADAPTOR													1	
	5129220	BUSHING	1													
	8927581	BOLT, 3/8"-16X1" (12.9001)													5	
		1.4045 - RETAINER, CLUTCH PILOT BEARING														
	5109008	RETAINER (PRESSED IN CRANKSHAFT)	1													

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5961	6110	6113	6119	6122	6125	6129	6131	6132	6134	6135	6143	6146	6148
		1.4060 - COUPLING, ENGINE DRIVE SHAFT FLEXIBLE														
	9208019	COUPLING ASSY.										1				
	5138326	COUPLING ASSY.														1
	9409079	BOLT, 3/8"-16X7/8" (12.9001)										8				
	9409054	BOLT, 1/2"-13X2" (12.9001)														8

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 650	652	653	654	658	659	661	662	670	671	672	673
		1.4001 - FLYWHEEL ASSY.												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; "NC" IS NON-CHAMFERED.												
6A	**5137818**	FLYWHEEL ASSY. (SAE #1) (NC)	1											
6A	**5138186**	* FLYWHEEL ASSY. (SAE #0) (C)		1										
6A	**5138315**	FLYWHEEL ASSY. (SAE #1) (NC)			1									
6A	**5129655**	FLYWHEEL ASSY. (SAE #1) (NC)				1								
6A	**5138586**	FLYWHEEL ASSY. (SAE #2) (C)					1							
6A	**5138863**	FLYWHEEL ASSY. (SAE #1) (C)						1		1				
6A	**5129650**	FLYWHEEL ASSY. (SAE #1) (C)							1			1	1	
6A	**5139070**	FLYWHEEL ASSY. (SAE #0) (NC)									1			
6A	**5129055**	FLYWHEEL ASSY. (SAE #1/2) (C)												1
	5106726	PLATE, FLYWHEEL SCUFF (1.91"I.D.) (BOLT RETAINER)												1
6A	**5120753**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (2 5/8"I.D.) (1.4045)		1		1	1	1		1	1	1	1	
6A	**5100532**	PLATE, FLYWHEEL SCUFF (BOLT RETAINER) (3"I.D.)	1		1									
6A	**9409532**	BOLT, 9/16"-18X2" (12.9001)									6			
6A	**9410925**	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)	6	6	6	6		6	6	6		6	6	
6A	**9411631**	BOLT, 9/16"-18X2 3/4" (12.9001)					6							
	9412017	BOLT, 9/16"-18X3 1/2" LOCK (12.9001)												6
		* OBSOLETE.												
		1.4010 - GEAR, FLYWHEEL RING												
6A	**5184773**	GEAR, 118 TEETH (NON-CHAMF.)	1	1	1		1				1			
6A	**5110894**	GEAR, 102 TEETH (R.H. CHAMF.)						1						
6A	**5188030**	GEAR, 102 TEETH (NON-CHAMF.)				1								
6A	**5166664**	GEAR, 118 TEETH (R.H. CHAMF.)							1	1		1	1	1
		1.4040 - BEARING, CLUTCH PILOT												
	907594	BEARING (N.D. Z99606X1C)				1		1			1			
	7451462	BEARING												1
	5162780	SEAL, GREASE												1
	5138148	ADAPTOR									1			
	9409028	BOLT, 3/8"-16X1" (12.9001)									5			
		1.4075 - DISC, FLYWHEEL FLEXIBLE COUPLING												
	5120753	PLATE, FLYWHEEL SCUFF (2 7/8"I.D.) (1.4045)							1					

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6500	6522	6533	6544	6558	6559	6611	6622	6700	6711	6722	6733
		1.4080 - HUB, FLYWHEEL FLEXIBLE COUPLING												
	6769418	HUB ASSY. (INCLUDES PIN) (8.3250)							1					
	456876	PIN (8.3250)							1					
		1.4085 - PLATE, FLYWHEEL FLEXIBLE COUPLING												
	6753364	PLATE (8.3252)							1					

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	679	684	687	688	691	692	694	702	710	716	720
	1.4001	**- FLYWHEEL ASSY.**												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; "NC" IS NON-CHAMFERED.												
	NPN	FLYWHEEL ASSY. (CUSTOMER FURNISHED)												AR
6A	**5139605**	* FLYWHEEL ASSY. (SAE #1) (NC)	1											
6A	**5131855**	FLYWHEEL ASSY. (SAE #1) (NC)		1										
6A	**5140315**	FLYWHEEL ASSY. (SAE #1) (NC)			1									
6A	**5133217**	* FLYWHEEL ASSY. (SAE #1) (NC)				1								
6A	**5140129**	FLYWHEEL ASSY. (SAE #1) (NC)					1							
6A	**5139071**	FLYWHEEL ASSY. (SAE #0) (NC)						1						
6A	**5137294**	FLYWHEEL ASSY. (SAE #1) (C)							1					
6A	**5174748**	FLYWHEEL ASSY. (SAE #1) (NC)								1				
6A	**5142063**	* FLYWHEEL ASSY. (SAE #1/2) (C)									1			
6A	**5137697**	FLYWHEEL ASSY. (SAE #1) (NC)										1		
	5143541	FLYWHEEL ASSY. (SAE #0- W/ PINS IN 1.4001 AND ADAPTOR IN 1.4040. (C)											1	
	5175641	PIN, 7/16 X1 3/8 DOWEL (1.3230)											2	
6A	**5120753**	PLATE, FLYWHEEL SCUFF (2 5/8"I.D.) (BOLT RETAINER)	1	1	1		1		1	1		1		
6A	**5100532**	PLATE, FLYWHEEL SCUFF (3"I.D.) (BOLT RETAINER)				1		1			1		1	
6A	**9409532**	BOLT, 9/16"-18X2" (12.9001)			6			6						
6A	**9410925**	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)	6	6		6	6		6			6		
6A	**9412015**	BOLT, 9/16"-18X2 1/2" (12.9001)										6		
6A	**9411631**	BOLT, 9/16"-18X2 3/4"L. (12.9001)								6				
6A	**9420037**	BOLT, 9/16"-18X3 1/8" (12.9001)									6			
		* OBSOLETE.												
	1.4010	**- GEAR, FLYWHEEL RING**												
6A	**5184773**	GEAR, 118 TEETH (NON-CHAMF.)	1	1	1	1	1	1		1		1		
6A	**5166664**	GEAR, 118 TEETH (R.H. CHAMF.)							1		1		1	1
	1.4040	**- BEARING, CLUTCH PILOT**												
	954472	BEARING (N.D. 5507L1C)								1				
	907084	BEARING (N. Z99507L1C)										1		
	5141691	BUSHING (BRG. ADAPTOR)											1	
	9409028	BOLT, 3/8"-16X1"L. (12.9001)						5						
	1.4045	**- RETAINER, CLUTCH PILOT BEARING**												
	5109008	RETAINER							1					

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	679	684	687	688	691	692	694	702	710	716	720
		1.4070 - PLATE, FLYWHEEL CLUTCH DRIVING												
	5138122	PLATE							1					
	5141967	LUG, DRIVE PLATE							3					
	69186	PIN, CLUTCH COVER PLATE DOWEL (8.1035)							3					
	69187	RETAINER, COVER PLATE DOWEL PIN (8.1035)							3					
	179839	BOLT, 3/8"-16X1" (12.9001)							12					
	103321	LOCKWASHER, 3/8" (12.9200)							12					

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 721	722	730	731	734	737	738	741	743	754	755	756	758
	1.4001	**- FLYWHEEL ASSY.**													
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; "NC" IS NON-CHAMFERED.													
	NPN	FLYWHEEL ASSY. (CUSTOMER FURNISHED)								1					
6A	**5140401**	* FLYWHEEL ASSY. (SAE #1) (NC)	1												
6A	**5125661**	FLYWHEEL ASSY. (SAE #1/2) (C)		1											
6A	**5181673**	FLYWHEEL ASSY. (SAE #2) (NC)			1										
6A	**5108884**	FLYWHEEL ASSY. (SAE #2) (NC)				1									
6A	**5143775**	FLYWHEEL ASSY. (SAE #1) (C)					1								
6A	**5143464**	* FLYWHEEL ASSY. (SAE #1) (NC)						1							
6A	**5143808**	FLYWHEEL ASSY. (SAE #0) (NC)							1						
6A	**5125943**	* FLYWHEEL ASSY. (SAE #1/2) (NC)									1				
6A	**5143334**	* FLYWHEEL ASSY. (SAE #1) (NC)										1			
6A	**5124073**	FLYWHEEL ASSY. (SAE #2) (NC)											1	1	
6A	**5147899**	FLYWHEEL ASSY. (SAE #1) (C)													1
6A	**5120753**	PLATE, FLYWHEEL SCUFF (2 7/8" I.D.) (BOLT RETAINER)	1	1	1	1	1	1	1	1	1		1	1	
6A	**5142029**	* PLATE, FLYWHEEL SCUFF (2.88"I.D.) (BOLT RETAINER)													1
6A	**5100532**	PLATE, FLYWHEEL SCUFF (3"I.D.) (BOLT RETAINER)									1				
	5174549	WEIGHT										1			
6A	**9409532**	BOLT, 9/16"-18X2" (12.9001)			6								6	6	
6A	**9412014**	BOLT, 9/16"-18 X 1 3/4" (12.9001)								6					
6A	**9410925**	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)	6				6	6				6			6
6A	**9412015**	BOLT, 9/16"-18X2 1/2" (12.9001)		6					6		6				
6A	**9409606**	BOLT, 9/16"-18X2 7/8" LOCK (12.9001)				6									
		* OBSOLETE-NO REPLACEMENT.													
	1.4010	**- GEAR, FLYWHEEL RING**													
6A	**5184773**	GEAR, 118 TEETH (NON-CHAMF.)						1	1		1	1			
6A	**5166664**	GEAR, 118 TEETH (R.H. CHAMF.)		1			1								1
6A	**5188030**	GEAR, 102 TEETH (NON-CHAMF.)			1	1							1	1	
	1.4040	**- BEARING, CLUTCH PILOT**													
	907594	BEARING (N.D. 99606X1C)						1							
	1.4045	**- RETAINER, CLUTCH PILOT BEARING**													
	5176427	RETAINER	1												

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 759	760	761	762	764	773	776	777	781	782	791	792	794
		1.4001 - FLYWHEEL ASSY.													
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; "NC" IS NON-CHAMFERED.													
6A	**5139071**	FLYWHEEL ASSY. (SAE #0) (NC)	1												
6A	**5145032**	* FLYWHEEL ASSY. (SAE #2) (C)		1											
6A	**5124073**	FLYWHEEL ASSY. (SAE #2) (NC)			1										
6A	**5143318**	FLYWHEEL ASSY. (SAE #1) (NC)				1									
6A	**5184772**	FLYWHEEL ASSY. (SAE #1) (NC)					1								
6A	**5145676**	FLYWHEEL ASSY. (SAE #0) (C)						1							
6A	**5110656**	FLYWHEEL ASSY. (SAE #1) (C)							1						
6A	**5145865**	FLYWHEEL ASSY. (SAE #1) (NC)								1					
6A	**5146147**	FLYWHEEL ASSY. (SAE #1) (C)									1				
6A	**5146146**	FLYWHEEL ASSY. (SAE #0) (C)										1			
6A	**5146718**	* FLYWHEEL ASSY. (SAE #0) (C)											1		
6A	**5142499**	* FLYWHEEL ASSY. (SAE #1) (C)												1	
6A	**5138185**	FLYWHEEL ASSY. (SAE #1/2) (C)													1
6A	**5120753**	PLATE, FLYWHEEL SCUFF (2 5/8" I.D.) (BOLT RETAINER) (1.4045)	1		1	1	1		1	1	1	1	1	1	
6A	**5100532**	PLATE, FLYWHEEL SCUFF (3" I.D.) (BOLT RETAINER)	1					1							
6A	**5189466**	PLATE, FLYWHEEL SCUFF (1 5/16" I.D.) (BOLT RETAINER) (1.4045)													1
6A	**9409532**	BOLT, 9/16"-18X2" LOCK (12.9001)	6		6					6					
6A	**9410925**	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)				6									
6A	**9412015**	BOLT, 9/16"-18X2 1/2" LOCK (12.9001)						6	6			6	6		
6A	**9411631**	BOLT, 9/16"-18X2 3/4" LOCK (12.9001)		6			6				6			6	
	9412016	BOLT, 9/16"-18X3 3/8" LOCK (12.9001)													6
		* OBSOLETE. NO REPLACEMENT.													
		1.4010 - GEAR, FLYWHEEL RING													
6A	**5184773**	GEAR, 118 TEETH (NON-CHAMF.)	1			1	1			1					
6A	**5110894**	GEAR, 102 TEETH (R.H. CHAMF.)		1											
6A	**5188030**	GEAR, 102 TEETH (NON-CHAMF.)			1										
6A	**5166664**	GEAR, 118 TEETH (R.H. CHAMF.)						1	1		1	1			1
6A	**5112743**	GEAR, 118 TEETH (L.H. CHAMF.)											1	1	
		1.4040 - BEARING, CLUTCH PILOT													
	5141316	BUSHING	1												
	7451462	BEARING													1
	5162780	SEAL, GREASE (1.4042)													1
	9409028	BOLT, 3/8"-16X1" LOCK (12.9001)	5												
		1.4060 - COUPLING, ENGINE DRIVE SHAFT FLEXIBLE													
	5143802	COUPLING ASSY.				1									

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 798	799	800	804	805	851	856	863	864	870	876	877	879	881
		1.4001 - FLYWHEEL ASSY.														
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; "NC" IS NON-CHAMFERED.														
6A	**5146794**	+ FLYWHEEL ASSY. (SAE #1) (C)	1													
6A	**5146792**	FLYWHEEL ASSY. (SAE #1/2) (C)		1												
6A	**5146793**	+ FLYWHEEL ASSY. (SAE #1/2) (C)			1											
6A	**5147899**	FLYWHEEL ASSY. (SAE #1) (C)				1										
6A	**5147887**	+ FLYWHEEL ASSY. (SAE #1/2) (C)					1									
6A	**5177300**	FLYWHEEL ASSY. (SAE #1) (NC)						1								
6A	**5101941**	FLYWHEEL ASSY. (SAE #0) (NC)							1							
6A	**5133816**	FLYWHEEL ASSY. (SAE #1) (NC)								1						
6A	**5102428**	FLYWHEEL ASSY. (SAE #1) (C)									1					
6A	**5169439**	FLYWHEEL ASSY. (SAE #1) (NC)												1		
6A	**5174748**	FLYWHEEL ASSY. (SAE #1) (NC)													1	
6A	**5177296**	FLYWHEEL ASSY. (SAE #1) (NC)														1
6A	**5143471**	+ FLYWHEEL ASSY. (SAE #1/2) (C)										1				
6A	**5129650**	FLYWHEEL ASSY. (SAE #1) (C)											1			
6A	**5189466**	PLATE, FLYWHEEL SCUFF (1 5/16" I.D.) (BOLT RETAINER) (1.4045)		1												
6A	**5120753**	PLATE, FLYWHEEL SCUFF (2 5/8" I.D.) (BOLT RETAINER) (1.4045)	1		1	1		1		1	1		1	1	1	1
6A	**5100532**	PLATE, FLYWHEEL SCUFF (3"I.D.) (BOLT RETAINER)					1		1							
6A	**5109198**	PLATE, FLYWHEEL SCUFF (1.91" I.D.)										1				
6A	**9409532**	BOLT, 9/16"-18X2" LOCK (12.9001)						6								
6A	**5103248**	BOLT, 9/16"-18X2" (12.9001)														8
6A	**5103250**	BOLT, 9/16"-18X2.75" (12.9001)													8	
6A	**5103280**	BOLT, 9/16"-18X2.25" (12.9001)											8	8		
6A	**9410925**	BOLT, 9/16"-18X2 1/4" LOCK (12.9001)				6			1		1					
6A	**9412015**	BOLT, 9/16"-18X2 1/2" LOCK (12.9001)			6					6						
6A	**9411631**	BOLT, 9/16"-18X2 3/4" LOCK (12.9001)	6								6					
6A	**9412017**	BOLT, 9/16"-18X3 1/2" LOCK (12.9001)										6				
6A	**9411632**	BOLT, 9/16"-18X4 1/4" LOCK (12.9001)							6							
		+ OBSOLETE-NO REPLACEMENT.														
		1.4010 - GEAR, FLYWHEEL RING														
6A	**5184773**	GEAR, 118 TEETH (NON-CHAMF.)					1	1	1	1	1			1	1	1
6A	**5166664**	GEAR, 118 TEETH (R.H. CHAMF.)	1			1							1			
6A	**5112743**	GEAR, 118 TEETH (L.H. CHAMF.)	1	1	1							1				
		1.4040 - BEARING, CLUTCH PILOT														
	7451462	BEARING		1								1				
	5162780	SEAL, GREASE (1.4042)		1								1				

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 798	799	800	804	805	851	856	863	864	870	876	877	879	881
		1.4045 - RETAINER, CLUTCH PILOT BEARING														
	5109008	RETAINER								1						

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8788	8800	8822	8833	8844	8855	8866	8877	8888	8899	8900	8911	8922	8933
		1.4001 - FLYWHEEL ASSY.														
		INCLUDES GEAR IN 1.4010. C INDICATES A CHAMFERED ASSY. NC NON - CHAMFERED.														
	5143691	FLYWHEEL ASSY. (SAE # 1) (C)				1										
	5181673	FLYWHEEL ASSY. (SAE # 2) (NC)						1								
	5189674	FLYWHEEL ASSY. (SAE # 1) (NC)								1						
	5116793	FLYWHEEL ASSY. (SAE # 2) (NC)										1				
	5118448	FLYWHEEL ASSY. (SAE # 2) (C)												1		
	5120139	FLYWHEEL ASSY. (SAE # 2) (NC)														1
	5174748	FLYWHEEL ASSY. (SAE # 1) (NC)	1													
	5176322	FLYWHEEL ASSY. (SAE #1) (C)		1												
	5177300	FLYWHEEL ASSY. (SAE #1) (C)			1											
	5188263	FLYWHEEL ASSY. (SAE#2) (C)					1									
	5188150	FLYWHEEL ASSY. (SAE # 1) (NC)							1							
	5181657	FLYWHEEL ASSY. (SAE # 1) (NC)									1				1	
	5118171	FLYWHEEL ASSY. (SAE # 1) (NC)											1			
6A	**5120753**	PLATE, FLYWHEEL SCUFF (2 5/8"I.D.)	1	1	1	1	1	1		1	1	1	1	1	1	1
	5187146	PLATE, FLYWHEEL SCUFF (1.67" I.D.)							1							
	5103218	BOLT, 9/16- 18X2.00 LOCK (12.9001)						8								
	5103280	BOLT, 9/16- 18X2.25 LOCK (12.9001)				8	8						8			
	5103249	BOLT, 9/16- 18X2.50 LOCK (12.9001)							8	8						
	5103250	BOLT, 9/16- 18X 2.75 LOCK (12.9001)	8	8								8		8		
	5103248	BOLT, 9/16- 18X 2.00 (12.9001)			8						8				8	
		1.4010 - GEAR, FLYWHEEL RING														
	5166664	GEAR, 118 TEETH (R.H. CHAMF.)		1		1										
	5188030	GEAR, 102 TEETH (NON-CHAMF.)										1		1		1
	5184773	GEAR, 118 TEETH (NON-CHAMF.)	1		1		1		1	1	1		1		1	1
		1.4040 - BEARING, CLUTCH PILOT														
	907594	BEARING (N.D.Z99606X1C)				1								1		
	907084	BEARING											1			
	7451256	BEARING							1							
	954472	BEARING	1													
	9409079	BOLT, 3/8- 16X 7/8 LOCK (12.9001)						8			8					
		1.4042 - SEAL, CLUTCH PILOT BEARING														
	5162779	SEAL LIP TYPE							1							
		1.4060 - COUPLING, ENGINE DRIVE SHAFT BLE														
	5181675	COUPLING ASSY.									1					

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 894	895	896	897	898	900	901	902	906	907	913	914	915	916
		1.4001 - FLYWHEEL ASSY.														
		INCLUDES GEAR IN 1.4010. C INDICATES A CHAMFERED ASSY. NC NON- CHAMFERED.														
	5119988	FLYWHEEL ASSY. (SAE #1) (NC)	1													
	5124073	FLYWHEEL ASSY. (SAE #2) (NC)		1												
	5124516	FLYWHEEL ASSY. (SAE #1/2) (NC)			1											
	5181673	FLYWHEEL ASSY. (SAE #2) (NC)				1										
	5125660	FLYWHEEL ASSY. (SAE #1/2) (NC)					1									
	5125661	FLYWHEEL ASSY. (SAE #1/2) (NC)						1								
	5128552	FLYWHEEL ASSY. (SAE #1) (NC)							1							
	5129130	FLYWHEEL ASSY. (SAE #1) (NC)								1						
	5128706	FLYWHEEL ASSY. (SAE #1) (NC)									1					
	5129560	FLYWHEEL ASSY. (SAE #1) (NC)										1				
	5135424	FLYWHEEL ASSY. (SAE #0) (NC)											1			
	5174748	FLYWHEEL ASSY. (SAE #1) (NC)												1		
	5130910	FLYWHEEL ASSY. (SAE #1) (C)													1	
	5136022	FLYWHEEL ASSY. (SAE #1) (NC)														1
	5120753	PLATE, FLYWHEEL SCUFF (2.88"I.D.)	1	1	1	1		1	1	1	1	1	1		1	1
	5109198	PLATE, FLYWHEEL SCUFF (1.91"I.D.)					1									
	5125654	PLATE, FLYWHEEL SCUFF (1.91"I.D.)												1		
	5174549	RING, FLYWHEEL WEIGHT		1												
	5103280	BOLT, 9/16-18X 2.25 (12.9001)	8					8	8						8	
	5103248	BOLT, 9/16-18X 2.00 (12.9001)		8		8					8	8				
	5103322	BOLT, 9/16-18X 3.38 (12.9001)			8											
	5103261	BOLT, 9/16-18X 3.50 (12.9001)					8									
	5103249	BOLT, 9/16-18X 2.50 (12.9001)								8			8			
	5103250	BOLT, 9/16-18X 2.75 (12.9001)												8		
	5103251	BOLT, 9/16-18X 1.75 (12.9001)														8
		1.4010 - GEAR, FLYWHEEL RING														
	5184773	GEAR, 118 TEETH (NON-CHAMF.)	1		1		1		1	1	1	1	1	1		
	5188030	GEAR, 102 TEETH (RH NON-CHAMF.)		1		1										
	5166664	GEAR, 118 TEETH (RH CHAMF.)						1							1	1
		1.4040 - BEARING, CLUTCH PILOT														
	907084	BEARING	1													
	7451462	BEARING					1									
	907594	BEARING												1		
	906986	BEARING													1	
	5129220	BUSHING														1
		1.4042 - SEAL, CLUTCH PILOT BEARING														
	5162780	SEAL LIP TIPE					1									

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 894	895	896	897	898	900	901	902	906	907	913	914	915	916
		1.4045 - RETAINER, CLUTCH PILOT BEARING														
	5109008	RETAINER (PRESSED IN CRANKSHAFT)													1	1

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9180	9200	9230	9270	9290	9320	9330	9340	9390	9410	9500	9540	9580	9650
	1.4001 - FLYWHEEL ASSY.															
		INCLUDES GEAR IN 1.4010. C INDICATES A CHAMFERED ASSY. NC NON CHAMFERED.														
6A	**5137697**	FLYWHEEL ASSY. (SAE #1) (NC)	1					1								
6A	**5129055**	FLYWHEEL ASSY. (SAE #1/2) (C)		1												
6A	**5138863**	FLYWHEEL ASSY. (SAE #1) (C)			1											
6A	**5110656**	FLYWHEEL ASSY. (SAE #1) (C)														1
6A	**5140129**	FLYWHEEL ASSY. (SAE #1) (NC)				1										
6A	**5137294**	FLYWHEEL ASSY. (SAE #1) (C)					1									
6A	**5143471**	* FLYWHEEL ASSY. (SAE #1/2) (C)							1							
6A	**5143775**	FLYWHEEL ASSY. (SAE #1) (C)								1						
6A	**5147899**	FLYWHEEL ASSY. (SAE #1) (C)									1					
6A	**5124453**	FLYWHEEL ASSY. (SAE 1) (NC)												1		
6A	**5102428**	FLYWHEEL ASSY. (SAE #1) (NC)										1				
6A	**5143318**	FLYWHEEL ASSY. (SAE #1) (NC)													1	
6A	**5104637**	FLYWHEEL ASSY. (SAE #1) (NC)											1			
	5120753	PLATE, FLYWHEEL SCUFF (2.88 I.D.)	1		1	1	1	1		1	1	1		1		
	5187146	PLATE, FLYWHEEL SCUFF (1.4045)														1
	5109198	PLATE, FLYWHEEL SCUFF (1.91" I.D.)		1					1							
	5100532	PLATE, FLYWHEEL SCUFF											1			
	191758	FITTING, 1/8" (12.9540)												1		
	8924380	PLUG, 1/8" (12.9550)												1		
	9410925	BOLT, 9/16"-18X2 1/4" (12.9001)												8	6	
	9412015	BOLT, 9/16"-18X2 1/2" (12.9001)														6
	9409606	BOLT, 9/16"-18X2.78" (12.9001)											6			
	5103280	BOLT, 9/16"-18X2.25" (12.9001)	8		8	8	8	8		8	8					
	5103261	BOLT, 9/16"-18X3.50" (12.9001)		8					8							
	5103250	BOLT, 9/16"-18X2.75" (12.9001)										8				
		* OBSOLETE.														
	1.4010 - GEAR, FLYWHEEL RING															
	5184773	GEAR, 118 TEETH (NON-CHAMF.)	1			1		1				1	1	1	1	
	5166664	GEAR, 118 TEETH (RH. CHAMF.)		1	1		1			1	1					1
	5112743	GEAR, 118 TEETH (LH. CHAMF)							1							
	1.4040 - BEARING, CLUTCH PILOT															
	7451462	BEARING		1				1								
	907084	BEARING (8.1450)						1								
	2947905	BEARING											1			
	907594	BEARING (N.D. Z99606X1C)														1
	5162779	SEAL, GREASE (1.4042)														1
	1.4042 - SEAL, CLUTCH PILOT BEARING															
	5162780	SEAL LIP TYPE		1					1							
	1.4045 - RETAINER, CLUTCH PILOT BEARING															
	5109008	RETAINER					1									
	1.4070 - PLATE, FLYWHEEL CLUTCH DRIVING															
	5138122	* PLATE, WEAR					1									
	69187	RETAINER (8.1035)					3									
	5141967	LUG, DRIVE PLATE					3									

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 918	920	923	927	929	932	933	934	939	941	950	954	958	965
		1.4070 - PLATE, FLYWHEEL CLUTCH DRIVING (CONT'D)														
	69186	PIN (8.1035)					3									
	179839	BOLT, 3/8-16X 1 (12.9001)					12									
	103321	LOCKWASHER, 3/8 (12.9200)					12									
		* OBSOLETE														

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9766	9788	9887	1000	1010	1015	1018	1021	1028	1034	1036	1041
		1.4001 - FLYWHEEL ASSY.												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY.; NC IS, NON CHAMFERED.												
	NPN	FLYWHEEL ASSY. (CUSTOMER FURNISHED)		1										
6A	**8922197**	FLYWHEEL ASSY. (SAE #1) (C)			1									
6A	**5131838**	FLYWHEEL ASSY. (SAE #1)											1	
6A	**5134698**	FLYWHEEL ASSY. (SAE #1) (NC)	1											
6A	**5124073**	FLYWHEEL ASSY. (SAE #2) (NC)					1							
6A	**5110656**	FLYWHEEL ASSY. (SAE #1) (C)				1						1		
6A	**2646041**	FLYWHEEL ASSY. (SAE #1) (NC)						1						
6A	**8923824**	FLYWHEEL ASSY. (SAE #1) (C)								1	1			1
6A	**8924130**	FLYWHEEL ASSY. (SAE #1) (C)							1					
6A	**5187146**	PLATE, FLYWHEEL SCUFF (1.4045)	1			1				1	1			
6A	**5120753**	PLATE, FLYWHEEL SCUFF (2.88" I.D.)		1	1		1		1			1	1	1
6A	**5103251**	BOLT, 9/16"-18X1.75" (1.4001)		8										
6A	**5103248**	BOLT, 9/16"-18X2.00" (1.4001)					8							
6A	**9409532**	BOLT, 9/16"-18X2.00" (12.9001)			6									
6A	**9412015**	BOLT, 9/16"-18X2.5" (12.9001)				6				6				
6A	**9410925**	BOLT, 9/16"-18X2 1/4" (12.9001)							6					
6A	**5103280**	BOLT, 9/16"-18X2 1/4" (1.4001)											8	
6A	**5103249**	BOLT, 9/16"-18X2.5" (1.4001)									8	8		8
	5103250	BOLT, 9/16"-18 X 2.75"	8											
	9411631	BOLT, 9/16"-18X2 3/4" (12.9001)						6						
		1.4010 - GEAR, FLYWHEEL RING												
	5184773	GEAR, 118 TEETH NON-CHAMF.	1					1						
	5112743	GEAR, 118 TEETH (L.H. CHAMF.)			1					1				
	5166664	GEAR, 118 TEETH (R.H. CHAMF.)				1								
	5188030	GEAR, 102 TEETH (NON-CHAMF)					1							
		1.4040 - BEARING, CLUTCH PILOT												
	7451256	BEARING	1											
	2645888	BEARING						1						
		1.4042 - SEAL, CLUTCH PILOT BEARING												
	5162779	SEAL ASSY.	1											

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1103	TYPES 1070
		1.4001 - FLYWHEEL ASSY.		
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY; NC IS A NON-CHAMFERED ASSY.		
6A	**5189674**	FLYWHEEL ASSY. (SAE #1) (NC)	1	
6A	**23500525**	FLYWHEEL ASSY. (SAE #0) (C)		1
	8926134	SLEEVE		1
6A	**5120753**	PLATE, FLYWHEEL SCUFF	1	
6A	**5103280**	BOLT, 9/16"-18X2.25"	8	
	9412017	BOLT, 9/16"-18X3 1/2" (12.9001)		12
		1.4010 - GEAR, FLYWHEEL RING		
6A	**5184773**	GEAR, 118 TEETH (NON-CHAMF.)	1	
6A	**5166664**	GEAR, 118 TEETH (RH CHAMF.)		1

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 184	187	188	189	192	197	200	206	210	214	219	223
		1.5001 - HOUSING ASSY., FLYWHEEL												
		• FOR TYPE 178 USE TYPE 188.▪ HOUSINGS DO NOT INCLUDE OIL SEAL.												
6A	**5102391**	HOUSING (SAE #2, ALUMINUM)	1											
6A	**5124359**	HOUSING (SAE #2)		1										
6A	**5117223**	+ HOUSING (SAE #1)			1	1				1				
6A	**5123293**	% HOUSING (SAE #1)					1							
6A	**5117222**	HOUSING (SAE #1/2)						1	1					
6A	**5129014**	HOUSING (SAE #1, DUAL STARTER)									1			
6A	**8926912**	HOUSING (SAE #0)										1		
6A	**5126503**	# HOUSING (SAE #1)											1	
6A	**5127926**	@ HOUSING (SAE #2, ALUMINUM)												1
6A	**5117362**	& CAP (SQUEEZE TYPE) (4.5010)				1				1	1			
6A	**5173935**	PLUG, 1/2"-13 STD. HDLS. PIPE		4										
	5115214	PLUG, 1/2" PIPE (12.9550)	1			1				1				1
	5142549	PLUG, 3/4" PIPE (12.9550)	1		1		1	1	1		1	1	1	1
	8924750	PLUG, 1" PIPE (12.9550)		1	1	1	1	1	1	1	1	1	1	
6A	**8924751**	PLUG, 1 1/4" PIPE (12.9550)				1	1	1	1	1	1	1	1	
6A	**5117186**	PLUG, 2" DIA. CUP (1.2001)				1					1			
	5109668	PLUG, 3 5/8" DIA. CUP									1			
	5125193	STUD, 3/8"-24X4 15/16" (1.5050)						1						
	5124937	STUD, 3/8"-16X5 13/64" (1.5050)						1						
	273369	STUD, 3/8"X5 1/2" (12.9117)						1	1					
6A	**186273**	BOLT, 5/16"-18X4 1/4" (12.9001)				2				2				
6A	**215510**	BOLT, 5/16"-18X5 3/4" (12.9001)				2				2				
6A	**8927582**	BOLT, 3/8"-16X1 1/4" (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6
6A	**179839**	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
6A	**186282**	BOLT, 3/8"-16X3 1/4" (12.9001)									1			
6A	**186309**	BOLT, 3/8"-24X3 1/4" (12.9001)				4				4	4			
6A	**189330**	BOLT, 3/8"-24X3 3/4" (12.9001)				3				3	3			
6A	**5121466**	BOLT, 3/8"-24X3 7/8" (12.9001)	7	7	7		7	7	7			7	7	7
6A	**190770**	BOLT, 1/2"-13X3 1/4" (12.9001)	6	6	6	6	6	6	6	6	6		6	6
	271570	BOLT, 5/8"-11X4" (12.9001)						2						
	103341	WASHER, 3/8" (12.9190)				AR			AR	AR			AR	
	5131978	WASHER, .53"X1.00"X.164"						6			6	6		
	5137275	WASHER, .68"X1"X.12" (1.2030)						2						
	103343	WASHER, 1/2" (12.9190)										2		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)	6	6	6	6	6		6	6			6	6
	103026	NUT, 3/8"-24 (12.9120)						2						
		+ NOT SERVICED. USE 8925184 AND INCLUDE (1) EACH 8924750 AND 8924751 PLUGS.												
		% NOT SERVICED. USE 8925184 AND INCLUDE ONE 8924751 PLUG.												
		* OBSOLETE.												
		@ NOT SERVICED, USE 5142861 AND INCLUDE (1) EACH 5169907 SHIM AND 5131755 WASHER TO ASSURE INTERCHANGEABILI TY.												
		# NOT SERVICED, USE 5145103.												
		& FOR USE IN UNITS EQUIPPED WITH TORQUE CONVERTER.												
		1.5004 - SEAL, CRANKSHAFT OIL-REAR												
6A	**5114335**	SEAL, OIL (SGL. LIP) (.525" WIDE)	1	1	1	1	1			1	1	1	1	1
6A	**5127821**	SEAL, OIL (DBL. LIP) (.812" WIDE)		1										
6A	**8927746**	* SEAL, OIL (DBL. LIP) (.580" WIDE) (R.H.)						1	1		1			
6A	**8927748**	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (R.H.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 184	187	188	189	192	197	200	206	210	214	219	223
		1.5004 - SEAL, CRANKSHAFT OIL-REAR (CONT'D)												
6A	**8927749**	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (L.H.)	AR	AR	AR	AR	AR			AR	AR	AR	AR	AR
		* ONE (TEFLON) SEALING LIP & ONE DUST LIP.												
		1.5012 - SLEEVE, CRANKSHAFT REAR OIL SEAL												
	5197159	SLEEVE, O.S. OIL SEAL (1.24" LONG) (1.3066)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5010 - GASKET, FLYWHEEL HOUSING												
6A	**5144875**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
6A	**5122281**	+ COVER	2	2	2	2	2	2	2	2	2	2	2	2
6A	**5188224**	BOLT, 7/16"-14X7/8" W/NYLON INSERT (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
6A	**122408**	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
	5125108	WASHER, 7/16" (2.4030)	2	2	2	2	2	2	2	2	2	2	2	2
6A	**103343**	WASHER, 1/2" (12.9190)	2	2	2	2	2	2	2	2	2	2	2	2
6A	**103322**	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		+ DEDUCT (1) COVER AND ATTACHING PARTS FOR EACH ACCESSORY MOUNTED ON FLYWHEEL HOUSING.												
6A	**103323**	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
6A	**5154669**	+ COVER	3	3	3	3	3	3	3	3	4	3	3	3
	5103552	COVER (1/2" TAPPED HOLE)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5124937	STUD (3/8"-16X5.22"L.)						1	1			1		1
	5125193	STUD (3/8"-24X4.94"L.)						1	1			1		1
6A	**8927580**	BOLT, 3/8"-16X1.015" (12.9001)	9	9	9	9	9	9	9	9	9	9	9	9
6A	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)	1	1	1	1	1			1	1		1	
6A	**186315**	BOLT, 3/8"-24X4 1/2" (12.9001)	8	8	7	8	8	7	7	8	8	7	8	7
	5138619	WASHER, 25/64"X3/4"X.083" (4.1512)		1	1		1	1		1	1			
6A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103026	NUT, 3/8"-24 (12.9120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		+ DEDUCT (1) COVER AND ATTACHING PARTS FOR EACH ACCESSORY MOUNTED ON FLYWHEEL HOUSING.												

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 184	187	188	189	192	197	200	206	210	214	219	223
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
	8922442	SEALANT, RTV 305MIL 10.3 OZ.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922443	SEALANT, RTV 88MIL 3 OZ.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5070 - COVER, STARTING MOTOR HOLE												
	5159938	@ COVER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	428204	@ BOLT, 5/8"-11X1" (12.9001)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	139198	# BOLT, 5/8"-11X1 1/2" (12.9027)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	114507	# NUT, 5/8"-11 JAM (12.9120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		@ USED WHERE STARTING MOTOR IS NOT REQUIRED.												
		# USED WITH TUBE TYPE OIL COOLER.												
		1.5075 - GASKET, STARTING MOTOR HOLE COVER												
	5130995	@ GASKET	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		@ USED WHERE STARTING MOTOR IS NOT REQUIRED.												
		1.5080 - COVER, FLYWHEEL HOUSING INSPECTION HOLE												
	5170961	COVER (9.1605)		1										
	8927580	BOLT, 3/8"-16X1.015" (12.9001)		4										
	103321	LOCKWASHER, 3/8" (12.9200)		4										
		1.5090 - GASKET, FLYWHEEL HOUSING INSPECTION HOLE COVER												
	5170895	GASKET (9.1610)		1										

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 226	232	233	235	236	240	247	248	250	251	257
		1.5001 - HOUSING ASSY., FLYWHEEL											
		• FOR TYPE 243, USE TYPE 464.■											
		• FOR TYPE 244, USE TYPE 463.■											
		HOUSINGS DO NOT INCLUDE OIL SEAL.											
6A	**5143941**	? HOUSING (SAE #1, ALUMINUM) (5102618 SD-232)	1										
6A	**5128765**	HOUSING (SAE #1, ALUMINUM)		1									
6A	**5139075**	HOUSING (SAE #0)			1								
6A	**5124815**	HOUSING (SAE #1/2)				1							
6A	**5130967**	HOUSING (SAE #1)					1						
6A	**5108483**	* HOUSING ASSY.						1					
6A	**5109786**	@ HOUSING (SAE #1)							1				
6A	**5132222**	HOUSING (SAE #1)								1			
6A	**5109173**	HOUSING (SAE #1)									1		
6A	**5162986**	HOUSING (SAE #0)										1	
6A	**5130065**	+ HOUSING (SAE #1, REINFORCED)											1
	141261	DOWEL, 7/16"X13/16" (12.9290)						2					
	5142549	PLUG, 3/4" PIPE (12.9550)			1	1	1	1	1	1		1	2
	5127197	PLUG, 1" EXT. 3/4"-10 INT. THREAD 2.80"L.											2
	8924750	PLUG, 1" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1	1
6A	**8924751**	PLUG, 1 1/4" PIPE (12.9550)	1			1			1				
	5125193	STUD, 3/8"-24X4.94" (1.5050)										1	
	5124937	STUD, 3/8"-16X5.20" (1.5050)										1	
	5138540	STUD, 3/4"-10X1" PIPE X 5.60" L. (RIGHT BANK)											1
	5137763	STUD, 3/4"-10X1" PIPE X 6.60" L. (LEFT BANK)											1
6A	**8925602**	BOLT, 3/8"-16X1.13" (12.9001)	6	6	6	6	6	6	6	6	6	6	6
6A	**179839**	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2	2	2	2	2	2	2	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1
6A	**5121466**	BOLT, 3/8"-24X3 7/8" (12.9001)	7	4	7	7	7	7	7	7	7	7	7
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)						12					
6A	**190770**	BOLT, 1/2"-13X3 1/4" (12.9001)	6	6	6	6	6	6	6	6	6	6	6
	271637	BOLT, 3/4"-16X2 3/4" (12.9001)										2	
	5178566	% WASHER (.78"X1.12"X.12") (2.8850)											4
	103341	WASHER, 3/8" (12.9190)	AR							AR	AR	AR	AR
	5138619	WASHER, 25/64"X3/4"X.083" (4.1512)				6							
	5131978	WASHER, .53"X1.00"X.164"				6		6					
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)						12					
	103323	LOCKWASHER, 1/2" (12.9200)	6	6	6		6		6	6	6	6	6
	103326	LOCKWASHER, 3/4" (12.9200)											2
	103026	NUT, 3/8"-24 (12.9120)			2	2						2	
	220081	NUT, 3/4"-10 (12.9120)											2
	273188	NUT, 1"-12 (12.9120)											2

* INCLUDES ADAPTER WHICH IS NOT SERVICED; AND 2-141261 DOWELS, 12-193221 BOLTS AND 12-103322 LOCKWASHERS.

@ NOT SERVICED, USE 8925184 AND INCLUDE 1-8924751 PLUG TO ASSURE INTERCHANGEABILITY.

\+ NOT SERVICED; USE 5131712 AND DRILL (2) 25/32" HOLES THROUGH MOUNTING PADS.

? NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.

% NOT REQUIRED EFFECTIVE WITH 16VA-211.

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 226	232	233	235	236	240	247	248	250	251	257
		1.5004 - SEAL, CRANKSHAFT OIL-REAR											
6A	5114335	SEAL, OIL (SGL. LIP) (.525" WIDE)	1	1					1	1		1	
6A	8926761	SEAL, OIL (SGL. LIP) (.625" WIDE) (R.H.)			1	1	1						1
6A	8927746	* SEAL, OIL (SGL. LIP) (.580" WIDE) (R.H.)			1	1	1	1					
6A	5127821	SEAL, OIL (DBL. LIP) (.812" WIDE)									1		
	8927748	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (R.H.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8927749	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (L.H.)	AR	AR					AR	AR	AR	AR	
	8923654	SEAL, OIL (O.S. SGL. LIP) (.625" WIDE) (R.H.)			AR	AR	AR						AR
		* ONE (TEFLON) SEALING LIP & ONE DUST LIP.											
		1.5012 - SLEEVE, CRANKSHAFT REAR OIL SEAL											
	5197159	SLEEVE, O.S. OIL SEAL (1.24" LONG) (1.3066)	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR
	5197158	SLEEVE, O.S. OIL SEAL (1.38" LONG) (1.3066)			AR	AR	AR						AR
		1.5010 - GASKET, FLYWHEEL HOUSING											
6A	5144875	GASKET	1	1	1	1	1	1	1	1	1	1	
6A	5147246	GASKET											1
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE											
6A	5122281	* COVER	2	2	2	2	2	2	2	2	2	2	2
6A	5188224	BOLT, 7/16"-14X7/8" W/NYLON INSERT (12.9001)	2	2	2	2	2	2	2	2	2	2	2
6A	122408	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8
	5125108	WASHER, 7/16" (2.4030)	2	2	2	2	2	2	2	2	2	2	2
6A	103343	WASHER, 1/2" (12.9190)	2	2	2	2	2	2	2	2	2	2	2
6A	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* DEDUCT (1) COVER AND ATTACHING PARTS FOR EACH ACCESSORY MOUNTED ON FLYWHEEL HOUSING.											
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER											
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE											
6A	5154669	* COVER	3	3	3	3	3	3	3	3	3	3	3
	5103552	COVER (1/2" TAPPED HOLE)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5124937	STUD (3/8"-16X5.22"L.)			1	1	1						
	5125193	STUD (3/8"-24X4.94"L.)			1	1	1						
6A	8927580	BOLT, 3/8"-16X1.015" (12.9001)	9	9	9	9	9	9	9	9	9	9	9
6A	186288	BOLT, 3/8"-16X4 1/2" (12.9001)	1	1	1	1	1	1	1	1	1	1	1
6A	186315	BOLT, 3/8"-24X4 1/2" (12.9001)	8	8	8	8	8	8	8	8	8	8	8
6A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103026	NUT, 3/8"-24 (12.9120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 226	232	233	235	236	240	247	248	250	251	257
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE (CONT'D)											
		* DEDUCT (1) COVER AND ATTACHING PARTS FOR EACH ACCESSORY MOUNTED ON FLYWHEEL HOUSING.											
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER											
	8922443	SEALANT, RTV 88ML 3 OZ.	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV 305ML 10.3 OZ.	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 266	268	269	271	272	273	274	276	278	282	285	286
		1.5001 - HOUSING ASSY., FLYWHEEL												
		HOUSINGS DO NOT INCLUDE OIL SEAL.												
6A	**5130792**	HOUSING (SAE #0) (DUAL STARTER)	1											
6A	**5143941**	? HOUSING (SAE #1, ALUM.) (5102618 PLUS SD-232)		1										
6A	**5146921**	HOUSING (SAE #1, ALUM.)			1									1
6A	**5130377**	* HOUSING (SAE #1)				1								
6A	**5117223**	@ HOUSING (SAE #1)					1							
6A	**5144659**	? HOUSING (SAE #1, ALUM.) (5102516 PLUS SD-232)						1						
6A	**5109786**	+ HOUSING (SAE #1)							1					
6A	**5101504**	? HOUSING (SAE #1, ALUM.) (5102637)								1				
6A	**5130967**	HOUSING (SAE #1)									2			
6A	**5130745**	* HOUSING (SAE #1)										1		
6A	**8925184**	HOUSING (SAE #1)											1	
	452788	HELI-COIL INSERT (12.9118)								12				
	452720	HELI-COIL INSERT (12.9118)								2				
	5115214	PLUG, 1/2" PIPE (12.9550)			1									
	5142549	PLUG, 3/4" PIPE (12.9550)	1			1			1		1	1		
	8924750	PLUG, 1" PIPE (12.9550)	1	1	1	1	1	1	1	1	1		1	1
	8924751	PLUG, 1 1/4" PIPE (12.9550)					1		1					
	222533	SCREW, 7/16"-14X3/8" SET (12.9076)					2							
6A	**179839**	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	8927582	BOLT, 3/8"-16X1.13" (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6
6A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	1	1	1	1	1		1	1	1	1	1	1
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)			2									
6A	**5121466**	BOLT, 3/8"-24X3 7/8" (12.9001)	7	7	7	7	7	7	7	7	7	7	7	7
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)			2			2						
6A	**190770**	BOLT, 1/2"-13X3 1/4" (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6
	5131978	WASHER, .53"X1.00"X.164"	6				6							
	103341	WASHER, 3/8" (12.9190)		6	6	6		6			6			6
	5138619	WASHER, 25/64"X3/4"X.083" (4.1512)	6				6							
	5131978	WASHER, .53"X1.00"X.164"								6				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)		AR	AR	AR		AR	AR		AR	AR	AR	AR
	103026	NUT, 3/8"-24 (12.9120)			2			2						
		* OBSOLETE. NO REPLACEMENT.												
		@ NOT SERVICED, USE 8925184 PLUS 1-5111798 AND 1-8924751 PLUGS.												
		? NOT SERVICED, USE NUMBER IN PARENTHESES.												
		+ NOT SERVICED, USE 8925184 AND INCLUDE 1-8924751 PLUG.												
		1.5004 - SEAL, CRANKSHAFT OIL-REAR												
6A	**8926762**	SEAL, OIL (SGL. LIP) (.625" WIDE) (L.H.)	1			1								
6A	**8926761**	SEAL, OIL (SGL. LIP) (.625" WIDE) (R.H.)	1			1								
6A	**5114335**	SEAL, OIL (SGL. LIP) (.525" WIDE)		1	1			1	1	1		1	1	1
6A	**8927746**	* SEAL, OIL (DBL. LIP) (.580" WIDE) (R.H.)					1							
6A	**5106329**	SEAL, OIL (DBL. LIP) (.812" WIDE)									1			
6A	**23501545**	* SEAL, OIL (O.S. DBL. LIP) (.500" WIDE) (L.H.)	AR			AR								
6A	**8923654**	SEAL, OIL (O.S. SGL. LIP) (.625" WIDE) (R.H.)	AR			AR								
6A	**8927748**	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (R.H.)		AR	AR		AR	AR	AR	AR		AR	AR	AR
6A	**8927749**	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (L.H.)		AR	AR			AR	AR	AR		AR	AR	AR
6A	**5198159**	SEAL, OIL (O.S. DBL. LIP) (1.033" WIDE)									AR			
		* ONE (TEFLON) SEALING LIP & ONE DUST LIP.												

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 266	268	269	271	272	273	274	276	278	282	285	286
		1.5010 - GASKET, FLYWHEEL HOUSING												
6A	5144875	GASKET	1	1		1	1	1	1	1	1	1		
6A	5147246	GASKET												1
		1.5012 - SLEEVE, CRANKSHAFT REAR OIL SEAL												
	5198158	SLEEVE, O.S. OIL SEAL (1.38" LONG) (1.3066)	AR			AR					AR			
	5197159	SLEEVE, O.S. OIL SEAL (1.24" LONG) (1.3066)		AR	AR		AR	AR	AR	AR		AR	AR	AR
		1.5020 - GASKET, FLYWHEEL HOUSING BELL												
	5108426	GASKET (1.5135)					1		1					
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
6A	5122281	* COVER	2	2	2	2	2	2	2	2	2	2	2	2
6A	5188224	BOLT, 7/16"-14X7/8" W/NYLON INSERT (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
6A	122408	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
	5150568	WASHER, 7/16" (2.4050)	2	2	2	2	2	2	2	2	2	2	2	2
6A	103343	WASHER, 1/2" (12.9190)	2	2	2	2	2	2	2	2	2	2	2	2
6A	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* DEDUCT (1) COVER AND ATTACHING PARTS FOR EACH ACCESSORY MOUNTED ON FLYWHEEL HOUSING.												
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
	5103552	COVER (1/2" TAPPED HOLE)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	5154669	* COVER	3	3	1	3	3	3	3	3	3	3	3	3
	5124937	STUD (3/8"-16X5.22")	1											
	5125193	STUD (3/8"-24X4.94")	1											
	8927580	BOLT, 3/8"-16X1.015" (12.9001)	9	9	9	9	9	9	9	9	9	9	9	9
6A	186288	BOLT, 3/8"-16X4 1/2" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)	10	8	8	8	8	8	8	8	8	8	8	8
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103026	NUT, 3/8"-24 (12.9120)	4						4					
		* DEDUCT (1) COVER AND ATTACHING PARTS FOR EACH ACCESSORY MOUNTED ON FLYWHEEL HOUSING.												
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
	8922443	SEALANT, RTV 88ML. 3 OZ.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV 305ML. 10.3 OZ.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 266	268	269	271	272	273	274	276	278	282	285	286
		1.5070 - COVER, STARTING MOTOR HOLE												
	5159938	@ COVER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	428204	@ BOLT, 5/8"-11X1" (12.9001)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	139198	# BOLT, 5/8"-11X1 1/2" (12.9027)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	114507	# NUT, 5/8"-11 JAM. (12.9120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		@ USED WHERE STARTING MOTOR IS NOT REQUIRED.												
		# USED WITH TUBE TYPE OIL COOLER.												
		1.5075 - GASKET, STARTING MOTOR HOLE COVER												
	5130995	GASKET	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

1.5001 - HOUSING ASSY., FLYWHEEL

HOUSINGS DO NOT INCLUDE OIL SEAL.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 289	291	292	296	297	298	299	300	302	305	307	313
6A	5144659	? HOUSING (SAE #1) (5102516, SD-232)	1											
6A	5132227	HOUSING (SAE #1)		1										
6A	5123293	# HOUSING (SAE #1)			1									
6A	5132222	HOUSING (SAE #1)				1						1		
6A	5131712	HOUSING (SAE #1, REINFORCED)					1							
6A	5144790	HOUSING (SAE #1, WITH OIL SCOOP)					1							
6A	5132420	* HOUSING (SAE #1)						1						
6A	5139075	HOUSING (SAE #0, REINFORCED)							1					
6A	5132970	@ HOUSING (SAE #0)								1				
6A	5133034	@ HOUSING (SAE #1, ALUMINUM)									1			
6A	5145103	HOUSING (SAE #1)											1	
6A	5145105	@ HOUSING (SAE #1)												1
	5124937	STUD, 3/8"-16X5 13/64" (1.5050)							1	1				
	5125193	STUD, 3/8"-24X4 15/16" (1.5050)							1	1				
	5138540	STUD, 3/4"-10X1" PIPEX5.60"L. (RIGHT BANK)					1		1					
	5137763	STUD, 3/4"-10X1" PIPEX6.60"L. (LEFT BANK)					1		1					
	5115214	PLUG, 1/2" PIPE (12.9550)									1			
	5142549	PLUG, 3/4" PIPE (12.9550)			1	1	1	1	1	1			1	1
	8924750	PLUG, 1" PIPE (12.9550)	1	1	1		1	1	1	1	1	1	1	1
	5127197	PLUG, 1" EXT.-3/4"-10 INT. THD., 2.80"L.					2		2					
	5139988	PLUG, 1" CUP (1.1001)									1			
	8924751	PLUG, 1 1/4" PIPE (12.9550)			1			1					1	
	5180678	% PLUG, 1 1/2" CUP (OIL SCOOP) (1.1001)					1							
	5132113	@ COLLECTOR (BAFFLE)		1										
	5131972	@ COLLECTOR (BAFFLE)				1								
	180016	+ BOLT, 1/4"-20X1/2" (12.9001)	2											
6A	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2	2	2	2	2		2	2	2
	8927582	BOLT, 3/8"-16X1 1/4" W/SEAL PATCH (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6
6A	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	1	1	1	1	1	1	1	1		1	1	1
	455537	BOLT, 3/8"-16X4" (12.9001)							1					
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)					2				2			
6A	5121466	BOLT, 3/8"-24X3 7/8" (12.9001)	7	7	7	7	7	7	7	7	7	7	7	7
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)					2		1			2		
	9409240	BOLT, 1/2"-13X3" LOCK (12.9001)			6									
6A	190770	BOLT, 1/2"-13X3 1/4" (12.9001)	6	6		6	6	6	6	6	6	6	6	6
	5131978	WASHER, .53"X1.00"X.164"		6			6					6		
	5138619	WASHER, 25/64"X3/4"X.083" (4.1512)		6			6					6		
	103341	WASHER, 3/8" (12.9190)	6		6	6		6		6	6		6	6
	121637	LOCKWASHER, 1/4" (12.9200)	2											
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)	AR			AR		AR	AR	AR	AR		AR	AR
	103026	NUT, 3/8"-24 (12.9120)					2		2	2	2			

NOT SERVICED, USE 8925184 AND INCLUDE 1-8924751 PLUG.
* NOT SERVICED, USE 5145103 AND 1-8924751 PLUG.
@ OBSOLETE.
% USE WITH 5144790 FLYWHEEL HOUSING.
+ THRU 8VA-11892.
? NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 289	291	292	296	297	298	299	300	302	305	307	313
		1.5004 - SEAL, CRANKSHAFT OIL-REAR												
6A	5114335	SEAL, OIL (SGL. LIP) (.525" WIDE)	1	1	1	1		1			1		1	
6A	8926761	SEAL, OIL (SGL. LIP) (.625" WIDE) (R.H.)					1		1					1
6A	5106329	SEAL, OIL (DBL. LIP) (.812" WIDE)					1		1					
6A	8926762	SEAL, OIL (SGL. LIP) (.625" WIDE) (L.H.)							1					1
6A	5127821	SEAL, OIL (DBL. LIP) (.812" WIDE)						1		1				
6A	8927748	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (R.H.)	AR	AR	AR	AR		AR		AR	AR	AR	AR	
6A	8927749	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (L.H.)	AR	AR	AR	AR		AR		AR	AR		AR	
6A	8927746	* SEAL, OIL (DBL. LIP) (.580" WIDE) (R.H.)										1		
6A	8923654	SEAL, OIL (O.S. SGL. LIP) (.625" WIDE) (R.H.)					AR		AR					
6A	5198159	SEAL, OIL (O.S. DBL. LIP) (1.033" WIDE)					AR		AR					
6A	23501545	* SEAL, OIL (O.S. DBL. LIP) (.500" WIDE) (L.H.)							AR					
		* ONE (TEFLON) SEALING LIP & ONE DUST LIP.												
		1.5010 - GASKET, FLYWHEEL HOUSING												
6A	5144875	GASKET		1	1	1		1		1		1	1	1
6A	5147246	GASKET	1				1		1		1			
		1.5012 - SLEEVE, CRANKSHAFT REAR OIL-SEAL												
	5197159	SLEEVE, O.S. OIL SEAL (1.24" LONG) (1.3065)	AR	AR	AR	AR		AR		AR	AR	AR	AR	
	5198158	SLEEVE, O.S. OIL SEAL (1.38" LONG) (1.3066)					AR		AR					
		1.5020 - GASKET, FLYWHEEL HOUSING BELL												
	5108426	GASKET, SAE #1 (1.5135)						1					1	
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
6A	5122281	* COVER	1	2	2	2	2	2	2	2	2	2	2	2
6A	5188224	BOLT, 7/16"-14X7/8" W/NYLON INSERT (12.9001)	1	2	2	2	2	2	2	2	2	2	2	2
6A	122408	BOLT, 1/2"-13X1" (12.9001)	12	8	8	8	8	8	8	8	8	8	8	8
	5150568	WASHER, 7/16" (2.4050)	1	2	2	2	2	2	2	2	2	2	2	2
6A	103343	WASHER, 1/2" (12.9190)	2	2	2	2	2	2	2	2	2	2	2	2
6A	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* DEDUCT (1) COVER AND ATTACHING PARTS FOR EACH ACCESSORY MOUNTED ON FLYWHEEL HOUSING.												
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 289	291	292	296	297	298	299	300	302	305	307	313
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
	5103552	COVER (1/2" TAPPED HOLE)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	**5154669**	COVER		3	3	3		3	3	3	3	3	3	3
6A	**5107677**	COVER (1.1020)	1											
6A	**8927580**	BOLT, 3/8"-16X1.015" (12.9001)		9	9	9	9	9	9	9	9	9	9	9
6A	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)		1	1	1	1	1	1	1	1	1	1	1
6A	**106284**	BOLT, 3/8"-24X5/8" (12.9001)	2											
6A	**186315**	BOLT, 3/8"-24X4 1/2" (12.9001)	2	8	8				8	8	8	8	8	8
	5152148	WASHER, 3/8" COPPER (2.4050)	2											
6A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
	8922443	SEALANT, RTV 88ML. 3 OZ.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV 305ML. 10.3 OZ.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5070 - COVER, STARTING MOTOR HOLE												
	5159938	* COVER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	428204	* BOLT, 5/8"-11X1" (12.9001)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	139198	# BOLT, 5/8"-11X1 1/2" (12.9027)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	114507	# NUT, 5/8"-11 JAM. (12.9120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* USED WHERE STARTING MOTOR IS NOT REQUIRED.												
		# USED WITH TUBE TYPE OIL COOLER.												
		1.5075 - GASKET, STARTING MOTOR HOLE COVER												
	5130995	GASKET (7.3004)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3292	3322	3522	3533	3555	3622	3664	3777	3822	3955	4022	4033
		1.5001 - HOUSING ASSY., FLYWHEEL												
		HOUSINGS DO NOT INCLUDE OIL SEAL.												
6A	**8925184**	HOUSING (SAE #1)	1			1						1		
6A	**5135012**	* HOUSING (SAE #2)		1										
6A	**5131710**	@ HOUSING (SAE #1/2, REINFORCED)			1									
6A	**5133446**	+ HOUSING (SAE #1/2) (5117222 PLUS SD-109)					1							
6A	**5145103**	HOUSING (SAE #1)						1						
6A	**5134873**	+ HOUSING (SAE #1) (5102515 PLUS SD-232)							1					
6A	**5123633**	HOUSING (SAE #0)								1				
6A	**5136430**	HOUSING (SAE #0, REINFORCED)									1			
6A	**5139075**	HOUSING (SAE #0, REINFORCED)											1	
6A	**5138458**	? HOUSING (SAE #2)												1
	5124937	STUD, 3/8"-16X5 13/64"L.			1		1			1	1		1	
	5125193	STUD, 3/8"-24X4 15/16"L.			1		1			1	1		1	
	5138540	STUD, 3/4"-10X1" PIPE X 5.60"L (RIGHT BANK)			1						1		1	
	5137763	STUD, 3/4"-10X1" PIPE X 6.60"L. (LEFT BANK)			1						1		1	
6A	**5142549**	PLUG, 3/4" PIPE (12.9550)	1		1	1	1	1		1	1	1	1	1
	8924750	PLUG, 1" PIPE (12.9550)	2	2	1	2	2	2	1	2	1	2	1	
	5127197	PLUG, 1" EXT. X 3/4"-10 INT. THD., 2.80"L.			2						2		2	
	8924751	PLUG, 1 1/4" PIPE (12.9550)	1		1	1	1					1		
	8925589	PLUG, 1 1/2" PIPE (12.9550)					1							
	222533	SCREW, 7/16"-14X3/8" SET (12.9076)						2						
	8925602	BOLT, 3/8"-16X1.13" W/SEAL PATCH (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	1	1	1	1	1	1		1	1	1	1	1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							1					
	455537	BOLT, 3/8"-16X4" (12.9001)			1						1		1	
	5121466	BOLT, 3/8"-24X3 7/8" (12.9001)	7	7	7	7	7	7	7	1	7	7	7	7
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)			1						1		1	
	9409240	BOLT, 1/2"-13X3" LOCK (12.9001)	6											
	190770	BOLT, 1/2"-13X3 1/4" (12.9001)		6	6	6	6	6	6	6	6	6	6	6
	103341	WASHER, 3/8" (12.9190)			AR		AR	AR	AR					AR
	5152148	WASHER, 3/8" COPPER (2.4050)								2				
	103343	WASHER, 1/2" (12.9190)								1				
	5138619	WASHER, 25/64"X3/4"X.083 (4.1512)				6				6	6	6	6	
	5131978	WASHER, .53"X1.00"X.164"				6				6	6	6	6	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR	AR	AR					AR
	103323	LOCKWASHER, 1/2" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103026	NUT, 3/8"-24 (12.9120)			4		2			2	3		3	
	218443	NUT, 3/4"-10 (12.9120)			6									
	220081	NUT, 3/8"-10 (12.9120)									2		2	
	273188	NUT, 1"-12 (12.9120)									2		2	

* NOT SERVICED. USE 1-5146862 HOUSING AND INCLUDE 1-5170961 COVER, 1-5170895 GASKET, 4-8927580 BOLTS AND 4- 103321 LOCKWASHERS.

? NOT SERVICED, USE 5102504 HOUSING, 1-5169907 SHIM, 1-5131755 WASHER AND SD-232.

\+ NOT SERVICED, USE PART NUMBER AND SD DRAWING SHOWN IN PARENTHESES.

@ OBSOLETE. NO REPLACEMENT.

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	332	352	353	355	362	364	377	382	395	402	403
		1.5004 - SEAL, CRANKSHAFT OIL-REAR												
6A	5114335	SEAL, OIL (SGL. LIP) (.525" WIDE)	1	1		1			1					1
6A	5127821	SEAL, OIL (DBL. LIP) (.812" WIDE)					1	1				1		
6A	8927746	* SEAL, OIL (DBL. LIP) (.580" WIDE) (R.H.)								1				
6A	8927747	* SEAL, OIL (DBL. LIP) (.580" WIDE) (L.H.)									1			
6A	8926761	SEAL, OIL (SGL. LIP) (.625" WIDE) (R.H.)			1								1	
6A	8926762	SEAL, OIL (SGL. LIP) (.625" WIDE) (L.H.)			1									
6A	8927748	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (R.H.)	AR	AR		AR	AR	AR	AR	AR		AR		AR
6A	8927749	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (L.H.)	AR	AR		AR	AR	AR	AR		AR	AR		AR
6A	8923654	SEAL, OIL (O.S. SGL. LIP) (.625" WIDE) (R.H.)			AR								AR	
		* ONE (TEFLON) SEALING LIP & ONE DUST LIP.												
		1.5010 - GASKET, FLYWHEEL HOUSING												
6A	5144875	GASKET	1	1		1	1	1	1	1		1		1
6A	5147246	GASKET			1						1		1	
		1.5012 - SLEEVE, CRANKSHAFT REAR OIL SEAL												
	5197159	SLEEVE, O.S. OIL SEAL (1.24" LONG) (1.3066)	AR	AR		AR	AR	AR	AR	AR	AR	AR		AR
	5198158	SLEEVE, O.S. OIL SEAL (1.38" LONG) (1.3066)			AR								AR	
		1.5020 - GASKET, FLYWHEEL HOUSING BELL												
	5108426	GASKET (SAE #1) (1.5135)				1		1						
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
6A	5122281	* COVER	2	2	2		2	2	2	2	2	2	2	2
6A	5188224	BOLT, 7/16"-14X7/8" W/NYLON INSERT (12.9001)	2	2	2		2	2	2	2	2	2	2	2
6A	122408	BOLT, 1/2"-13X1" (12.9001)	8	8	8		8	8	8	8	8	8	8	8
6A	5150568	WASHER, 7/16" (2.4050)	2	2	2		2	2	2	2	2	2	2	2
6A	103343	WASHER, 1/2" (12.9190)	2	2	2		2	2	2	2	2	2	2	2
6A	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR
6A	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR
		* DEDUCT (1) COVER AND ATTACHING PARTS FOR EACH ACCESSORY MOUNTED ON FLYWHEEL HOUSING.												
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
	5103552	COVER (1/2" TAPPED HOLE)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR
6A	5154669	COVER	3	3	3		3	3	3	3	3	3	3	3
6A	8927580	BOLT, 3/8"-16X1.015" (12.9001)	9	9	9		9	9	9	9	9	9	9	9

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3291	3312	3521	3531	3551	3621	3641	3771	3821	3951	4021	4031
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE (CONT'D)												
6A	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)	18	18	18		18	18	18	18	18	19	18	18
6A	**186315**	BOLT, 3/8"-24X4 1/2" (12.9001)	18	18	18		18	18	18	18	18	19	18	18
	5138619	WASHER, 3/8" (4.1512)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR
6A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
	8922443	SEALANT, RTV 88ML. 3 OZ.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV 305ML. 10.3 OZ.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5070 - COVER, STARTING MOTOR HOLE												
	5159938	# COVER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	428204	# BOLT, 5/8"-11X1" (12.9001)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	139198	& BOLT, 5/8"-11X1 1/2" (12.9027)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	114507	& NUT, 5/8"-11 JAM. (12.9120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# USED WHERE STARTING MOTOR IS NOT REQUIRED.												
		& USED WITH OIL COOLER.												
		1.5075 - GASKET, STARTING MOTOR HOLE COVER												
	5130995	GASKET (7.3004)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4111	4207	4334	4335	4337	4443	4448	4557	4634	4664
		1.5001 - HOUSING ASSY., FLYWHEEL										
		HOUSINGS DO NOT INCLUDE OIL SEAL.										
6A	**5145101**	HOUSING (SAE #1)	1									
6A	**5129014**	HOUSING (SAE #1)		1								
6A	**5140661**	HOUSING (SAE #1)			1	1		1				
6A	**5142864**	# HOUSING (SAE #2, ALUMINUM)				1						
6A	**5143502**	@ HOUSING ASSY., SAE #0					1					
6A	**5140991**	HOUSING (SAE #0)							1			
6A	**5144544**	+ HOUSING (SAE #1) (ALUMINUM) (5101917)								1		
6A	**5122662**	+ HOUSING (SAE #2, ALUMINUM) (5103363)									1	1
	452692	HELI-COIL, 3/8"-16X9/16" INSERT (12.9118)								9		
	452720	HELI-COIL, 7/16"-14X7/8" INSERT (12.9118)								18		
	452736	HELI-COIL, 1/2"-13X1/2" INSERT (12.9118)								8		
	452788	HELI-COIL, 5/8"-11X15/16" INSERT (12.9118)								15		
	5124937	STUD, 3/8"-16X5 13/64"					1		1			
	5125193	STUD, 3/8"-24X4 15/16" L.					1		1			
	5138540	STUD, 3/4"-10X1" PIPE X 5.60" L. (RIGHT BANK)					1					
	5137763	STUD, 3/4"-10X1" PIPE X 6.60" L. (LEFT BANK)					1					
6A	**5142549**	PLUG, 3/4" PIPE (12.9550)	1	1	1	1	1	1	1	1		
	5173335	PLUG, 3/4" PIPE (12.9550)								1		
	8924750	PLUG, 1" PIPE (12.9550)	2	2	2	2	1	2	2			
	5127197	PLUG, 1" EXT. X 3/4"-10 INT. THD., 2.80" L.					2					
	8924751	PLUG, 1 1/4" PIPE (12.9550)	1		1	1		1				
	5109668	PLUG, 3 5/8" CUP		1								
	222533	SCREW, 7/16"-14X3/8" SET (12.9076)				2						
	8927582	BOLT, 3/8"-16X1 1/4" W/SEAL PATCH (12.9001)	6	6	6	6	6	6	6	6	6	6
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2	2	2	2	2	2	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1
	455537	BOLT, 3/8"-16X4" (12.9001)					1					
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)		4								
	189330	BOLT, 3/8"-24X3 3/4" (12.9001)		3								
	5121466	BOLT, 3/8"-24X3 7/8" (12.9001)	7	3	7	7	7	7	7	7	7	7
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)					1					
	190770	BOLT, 1/2"-13X3 1/4" (12.9001)	6	6	6	6	6	6	6	6	6	6
	271581	BOLT, 5/8"-18X1 1/4" (12.9001)								1		
	103341	WASHER, 3/8" (12.9190)	AR	AR			AR	AR		AR		
	5152148	WASHER, 3/8" COPPER (2.4050)							2			
	103343	WASHER, 1/2" (12.9190)							1			
	5131433	WASHER, .41"I.D.X.81" O.D.X.1345"									6	6
	5131978	WASHER, .53"X1.00"X.164"			6	6	6				6	6
	5138619	WASHER, 25/64"X3/4"X.083" (4.1512)			6	6	6					
	103345	WASHER, 5/8" (12.9190)								1		
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR			AR		AR	AR		
	103325	LOCKWASHER, 5/8" (12.9200)								1		
	103026	NUT, 3/8"-24 (12.9120)					3		2			
	220081	NUT, 3/8"-10 (12.9120)					2					
	273188	NUT, 1"-12 (12.9120)					2					

NOT SERVICED; USE 5142861 AND INCLUDE (1) EACH 5169907 SHIM AND 5131755 WASHER.

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 411	420	427	434	435	437	443	448	457	463	464
		1.5001 - HOUSING ASSY., FLYWHEEL (CONT'D)											
		@ NOT SERVICED USE 5139075 FLYWHEEL HSG., (1)5143196 ADAPTOR, (3) 186628 BOLTS AND (4) 141270 DWL PINS											
		+ NOT SERVICED. USE PART NUMBER SHOWN IN PARENTHESES.											
		1.5004 - SEAL, CRANKSHAFT OIL-REAR											
6A	**5114335**	SEAL, OIL (SGL. LIP) (.525" WIDE)	1	1	1		1		1	1	1	1	1
6A	**8927746**	* SEAL, OIL (DBL. LIP) (.580" WIDE) (R.H.)		1		1		1					
6A	**8927748**	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (R.H.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	**8927749**	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (L.H.)	AR	AR	AR		AR		AR	AR	AR	AR	AR
		* ONE (TEFLON) SEALING LIP & ONE DUST LIP.											
		1.5010 - GASKET, FLYWHEEL HOUSING											
6A	**5144875**	GASKET	1	1	1	1	1		1	1		1	1
6A	**5147246**	GASKET						1			1		
		1.5012 - SLEEVE, CRANKSHAFT REAR OIL SEAL											
	5197159	SLEEVE, O.S. OIL SEAL (1.24" LONG) (1.3066)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5020 - GASKET, FLYWHEEL HOUSING BELL											
	5108426	GASKET (1.5135)				1			1				
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE											
6A	**5122281**	* COVER	2	2	2	2	2	2	2	2	2	2	2
6A	**5188224**	BOLT, 7/16"-14X7/8" W/NYLON INSERT (12.9001)	2	2	2	2	2	2	2	2	2	2	2
6A	**122408**	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8
6A	**5150568**	WASHER, 7/16" (2.4050)	2	2	2	2	2	2	2	2	2	2	2
6A	**103343**	WASHER, 1/2" (12.9190)	2	2	2	2	2	2	2	2			
6A	**103322**	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR			
6A	**103323**	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* DEDUCT (1) COVER AND ATTACHING PARTS FOR EACH ACCESSORY MOUNTED ON FLYWHEEL HOUSING.											
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER											
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 411	420	427	434	435	437	443	448	457	463	464
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE											
	5103552	COVER (1/2" TAPPED HOLE)	AR										
6A	**5154669**	COVER	3	3	3	3	3	3	3	2	3	3	3
	9409218	BOLT, 3/8"-16X5/8" AA LOCK (12.9001)								1			
	180120	BOLT, 3/8"-16X3/4" (12.9001)								2			
	8927580	BOLT, 3/8"-16X1.015" (12.9001)	9	9	9	9	9	9	9	4	9	9	9
6A	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)	1	1	1	1	1	1	1	1	1	1	1
6A	**186315**	BOLT, 3/8"-24X4 1/2" (12.9001)	8	8	8	8	8	8	8	4	8	8	8
	5138619	WASHER, 3/8" (4.1512)										1	1
6A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103026	NUT, 3/8"-24 (12.9120)					4				4	4	4
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER											
	8922443	SEALANT, RTV 88ML. 3 OZ.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
	8922442	SEALANT, RTV 305ML. 10.3 OZ.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
		1.5070 - COVER, STARTING MOTOR HOLE											
	5159938	# COVER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	428204	# BOLT, 5/8"-11X1" (12.9001)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	139198	* BOLT, 5/8"-11X1 1/2" (12.9027)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	114507	* NUT, 5/8"-11 JAM. (12.9120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# USED WHERE STARTING MOTOR IS NOT REQUIRED.											
		* USED WITH OIL COOLER.											
		1.5075 - GASKET, STARTING MOTOR HOLE COVER											
	5130995	*GASKET (7.3004)*	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4711	4713	4714	4811	4813	4814	4818	5113	5214	5312	5414	5510	5512	5514
		1.5001 - HOUSING ASSY., FLYWHEEL														
		HOUSINGS DO NOT INCLUDE OIL SEAL.														
6A	5142740	HOUSING (SAE #1)	1													
6A	5143941	+ HOUSING (SAE #1) (5102618, SD-232)		1	1											
6A	5143779	HOUSING (SAE #1)				1										
6A	5109173	HOUSING (SAE #1)					1			1						
6A	5146862	HOUSING (SAE #2)						1								
6A	5139075	HOUSING (SAE #0)							1							
6A	5131712	HOUSING (SAE #1)									1					
6A	5101946	HOUSING (SAE #0)										1				
6A	5102390	# HOUSING (SAE #2) (5107879)											1			
6A	5102391	HOUSING (SAE #2)												1		
6A	5102358	# HOUSING (SAE #1) (8927902)													1	
6A	5103363	HOUSING (SAE #2)														1
	5147313	INSERT							1		1					
	5125193	STUD, 3/8"-24X4.94" (1.5050)										1				
	5124937	STUD, 3/8"-16X5.20" (1.5050)										1				
	5138540	STUD, 3/4"-10X1" PIPE X 5.60"L. (RIGHT BANK)							1		1	1				
	5137763	STUD, 3/4"-10X1" PIPE X 6.60"L. (LEFT BANK)							1		1	1				
	5169907	SHIM, 2.50" O.D.X17/32" I.D.X.015" THK (8.1895)	1		1								1		1	1
	5132658	@ DEFLECTOR						1								
	452788	HELI-COIL, 5/8"-11X15/16" (12.9118) INSERT		12												
	452720	HELI-COIL, 7/16"-14X7/8" (12.9118) INSERT		2												
	8926996	PLUG, 1/2"-13						4								
6A	5142549	PLUG, 3/4"-14 PIPE (12.9550)	1			1			1		1	1	1	1		
	8924750	PLUG, 1" PIPE (12.9550)		1		1	1	1	1	1	1	1			1	
	5127197	PLUG, 1" EXT., 3/4"-10 INT. THREAD, 2.80"L.							2		2					
	8924751	PLUG, 1 1/4" PIPE (12.9550)		1	1	1									1	
	5180678	PLUG, 1 1/2" CUP (1.1001)				1										
	5109668	PLUG, 3 5/8" CUP	1													
	222533	SCREW, 7/16"-14X3/8" SET (12.9076)				2										
6A	8927582	BOLT, 3/8"-16X1.255" (12.9001)	3	6	3	6	6	6	6	6	6	6	3		3	3
6A	8927581	BOLT, 3/8"-16X1.135" (12.9001)		2		2	2	2	2	2	2	2	2	6	2	2
6A	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		1		1	1									
6A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			1			1	1	1	1	1	1	1	1	1
6A	455537	BOLT, 3/8"-16X4" (12.9001)										1				
6A	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	3													
6A	5121466	BOLT, 3/8"-24X3 7/8" (12.9001)	7	7	7	7		7	7	7	7	7	7	7	7	7
6A	186314	BOLT, 3/8"-24X4 1/4" (12.9001)	1								1	1				
6A	454992	BOLT, 1/2"-13X2 1/2" (12.9001)	1		1											
6A	9409237	BOLT, 1/2"-13X2 3/8" LOCK (12.9001)			1											
6A	190770	BOLT, 1/2"-13X3 1/4" (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6A	271570	BOLT, 5/8"-11X4" (12.9001)											2	2	2	
6A	5131433	WASHER, .41"I.D.X.81"O.D.X.1345"	3													3
6A	5138619	WASHER, 25/64"X3/4"X.083" (4.1512)				6		6		6	6		6			
6A	5131755	WASHER (17/32"I.D.)(1.7250)	1		1								1		1	1
6A	5131978	WASHER, .53"X1.00"X.164"	6			6		6		6			6		6	6
6A	5138619	WASHER, 23/64"X3/4"X.083" (4.1512)		6												
6A	103341	WASHER, 3/8" (12.9190)				6	6		6	6						
6A	5137275	WASHER, .68"X1.00"X.12" (1.2030)											2	2	2	
6A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	8	AR	AR
6A	103323	LOCKWASHER, 1/2" (12.9200)		6	6		6		6	6	6	6		6		
	103026	NUT, 3/8"-24 (12.9120)	1				1				AR	AR				
	220081	NUT, 3/8"-10 (12.9120)							2		2	2				
	273188	NUT, 1"-12 (12.9120)							2		2	2				
		@ OBSOLETE. NO REPLACEMENT.														
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.														

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 471	473	474	481	483	484	488	513	524	532	544	550	552	554
		1.5001 - HOUSING ASSY., FLYWHEEL (CONT'D)														
		# NOT SERVICED. USE PART NUMBER IN PARENTHESES PLUS, (2) 9425326 WAIST BOLTS, (3) 9439720 STARTER MOTOR BOL TS, AND LONGER BOLTS TO REINSTALL THE TRANSMISSION OR OTHER APPLICATION.														
		1.5004 - SEAL, CRANKSHAFT OIL-REAR														
6A	**5114335**	SEAL, OIL (SGL. LIP) (.525" WIDE)	1	1	1		1		1		1		1		1	1
6A	**5127821**	SEAL, OIL (DBL. LIP) (.812" WIDE)														
6A	**8927746**	* SEAL, OIL (DBL. LIP) (.580" WIDE) (R.H.)				1		1		1				1		
6A	**8927747**	* SEAL, OIL (DBL. LIP) (.580" WIDE) (L.H.)						1								
6A	**8926761**	SEAL, OIL (SGL. LIP) (.625" WIDE) (R.H.)										1				
6A	**8926762**	SEAL, OIL (SGL. LIP) (.625" WIDE) (L.H.)										1				
6A	**8927748**	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (R.H.)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR
6A	**8927749**	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (L.H.)	AR	AR	AR		AR	AR	AR		AR		AR		AR	AR
6A	**8923654**	SEAL, OIL (O.S. SGL. LIP) (.625" WIDE) (R.H.)										AR				
6A	**23501545**	* SEAL, OIL (O.S. DBL. LIP) (.500" WIDE) (L.H.)										AR				
		* ONE (TEFLON) SEALING LIP & ONE DUST LIP.														
		1.5010 - GASKET, FLYWHEEL HOUSING														
6A	**5147246**	GASKET	1						1		1	1				
6A	**5144875**	GASKET		1	1	1	1	1		1			1	1	1	1
		1.5012 - SLEEVE, CRANKSHAFT REAR OIL SEAL														
	5197159	SLEEVE, O.S. OIL SEAL (1.24" LONG) (1.3066)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR
	5198158	SLEEVE, O.S. OIL SEAL (1.38" LONG) (1.3066)										AR				
		1.5020 - GASKET, FLYWHEEL HOUSING BELL														
	5108426	GASKET (1.5135)				1										
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE														
6A	**5122281**	COVER			2	2	2	2	2	2	2	2	2	2	2	2
6A	**5188224**	BOLT, 7/16"-14X.88" W/NYLON INSERT (12.9001)			2	2	2	2	2	2	2	2	2	2	2	2
6A	**122408**	BOLT, 1/2"-13X1" (12.9001)			8	8	8	8	8	8	8	8	8	8	8	8
6A	**5125108**	WASHER, 7/16"X3/4" (2.4030)				2	2	2	2	2	2	2	2	2	2	2
6A	**103343**	WASHER, 1/2" (12.9190)							2							
6A	**103323**	LOCKWASHER, 1/2" (12.9200)			8	8	8	8	6	8	8	14	8	8	8	8

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 471	473	474	481	483	484	488	513	524	532	544	550	552	554
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER														
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)			AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)			AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE														
6A	**5155815**	COVER (1.7490)	1													
6A	**5154669**	COVER	1		3	3	1	1	3	2	3	1	3	2	3	3
6A	**5107677**	COVER (1.1020)						1						1		
	5124937	STUD (3/8"-16X5.20")							1							
	5125193	STUD (3/8"-24X4.94")							1							
6A	**179816**	BOLT, 5/16"-18X3/4" (12.9001)	2													
6A	**8927580**	BOLT, 3/8"-16X1.015" (12.9001)			4	9	2		2	7	7	2	9	7	9	9
	8927578	BOLT, 3/8"-16X3/4" (12.9001)												2		
6A	**5101377**	BOLT, 3/8"-16X1" (5.2020)	6													
6A	**8927581**	BOLT, 3/8"-16X1.135" (12.9001)						2		2						
6A	**455537**	BOLT, 3/8"-16X4" (12.9001)							1							
6A	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)			1	1			1	1	1		1	1	1	1
6A	**186314**	BOLT, 3/8"-24X4 1/4" (12.9001)							1							
6A	**186315**	BOLT, 3/8"-24X4 1/2" (12.9001)			7	5	3	8	7	5	7	3	8	7	8	8
6A	**186317**	BOLT, 3/8"-24X5" (12.9001)			1	1	1	1	1	1	1	1	1	1	1	1
6A	**5152148**	WASHER, 3/8" (2.4050)	6		1				1	1			1	1	1	1
6A	**5150568**	WASHER, 7/16" (2.4050)			2											
6A	**5138619**	WASHER, 25/64"X3/4"X.083"(4.1512)			5	5	1	5	5	1	5	1	5	4	5	5
6A	**103320**	LOCKWASHER, 5/16" (12.9200)	2													
6A	**103321**	LOCKWASHER, 3/8" (12.9200)				AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103026	NUT, 3/8"-24 (12.9120)			5	5	1	5	6	5	6	1	5	5	5	5
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER														
	8922443	SEALANT, RTV 88ML 3 OZ.	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV 305ML 10.3 OZ.	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	558	563	587	596	608	609	684	685	688	693	694	695
		1.5001 - HOUSING ASSY., FLYWHEEL													
6A	**5104354**	@ HOUSING (SAE #1) (8925184)	1												
6A	**5142740**	HOUSING (SAE #1)					1								
6A	**5104261**	@ HOUSING (SAE #1) (8925160)		1											
6A	**5145764**	@ HOUSING (SAE #1) (8925163)				1									
6A	**5102359**	+ HOUSING (SAE #1)			1										
6A	**5104466**	HOUSING (SAE #1)						1	1						
6A	**5140661**	HOUSING (SAE #1)								1					
6A	**5136430**	HOUSING (SAE #0)									1				
6A	**5146862**	HOUSING (SAE #2)										1			
6A	**8925184**	HOUSING (SAE #1)											1		1
6A	**8926912**	HOUSING (SAE #0)												1	
	5147313	INSERT						1							
	8926996	*PLUG, 1/2"-13*										4			
6A	**5142549**	PLUG, 3/4"-14 PIPE (12.9550)	1				1	1		1	1		1	1	1
	8924750	PLUG, 1" PIPE (12.9550)	2	2	1	2		1	1	1	1	1	2	1	2
	5127197	PLUG, 1" SPECIAL						2	2						
	8924751	PLUG, 1 1/4" PIPE (12.9550)	1	1	1					1			1		1
	5109668	PLUG, 3 5/8"				1	1		1						
	5169907	SHIM, 2.50" O.D. X 17/32" I.D. X .015 THK. (8.1895)			1		1								
	5124937	STUD, 3/8"-16X5.20" (1.5050)									1			1	
	5125193	STUD, 3/8"-24X4.94" (1.5050)									1			1	
	5138540	*STUD, 3/4"-10X1" PIPE X 5.60"L. (R.B.)*						1			1				
	5147824	STUD, 3/4"-10X6"L. (R.B.)				1			1						
	5137763	STUD, 3/4"-10X1" PIPE X 6.60"L. (L.B.)						1			1				
	5146658	*STUD, 3/4"-10X6 3/4"L. (L.B.)*				1			1						
6A	**8927581**	BOLT, 3/8"-16X1.135" (12.9001)	8	8	5	8	5	8	8	2	2	2	2	2	2
6A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)	1		1			1		1	1	1	1	1	1
6A	**5103530**	BOLT, 3/8"-16X1.25		1											
6A	**8927582**	BOLT, 3/8"-16X1.255" (12.9001)								6	6	6	6	6	6
6A	**455537**	BOLT, 3/8"-16X4" (12.9001)									1				
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)				2	3	2	2						
6A	**5121466**	BOLT, 3/8"-24X3 7/8" (12.9001)	7	7	7	4	7	7	4	7	7	7	7	7	7
6A	**5148499**	BOLT, 3/8"-24X3 7/8"	3	3	3	3	3	3	3						
6A	**186314**	BOLT, 3/8"-24X4 1/4" (12.9001)				2	1	2	2		1				
6A	**454992**	*BOLT, 1/2"-13X2 1/2" (12.9001)*					1								
6A	**9409237**	BOLT, 1/2"-13X2 3/8" (12.9001)			1										
6A	**9409240**	BOLT, 1/2"-13X3" (12.9001)	6												
6A	**190770**	BOLT, 1/2"-13X3 1/4" (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6	6
6A	**271570**	BOLT, 5/8"-11X4" (12.9001)		2											
6A	**8921936**	BOLT, 7/16-14X1 1/4" (12.9001)		2											
6A	**427564**	BOLT, 7/16-14X1 3/8" (12.9001)		4											
6A	**5131978**	WASHER, .53"X1.00"X.164"			*6*		*6*			6	6	6	6	6	6
6A	**5137275**	WASHER, .68"X1.00"X.12" (1.2030)		2											
6A	**5131755**	WASHER, 17/32"X.88"X.1345" (1.7250)			1		1								
6A	**5138619**	WASHER, 25/64"X3/4"X.083" (4.1512)	6	6	3	4		6	4	6	6	6	6	6	6
6A	**5152148**	WASHER, 3/8"X9/16" COPPER (2.4050)												2	
6A	**103341**	WASHER, 3/8" (12.9190)				6			6						
6A	**103343**	WASHER, 1/2" (12.9190)												2	
6A	**103321**	LOCKWASHER, 3/8" (12.9200)	10	6	10	9	11	10	9	10	12	10	10	11	10
6A	**103323**	LOCKWASHER, 1/2" (12.9200)		6		6		6	6						
	220081	NUT, 3/4"-10 (12.9120)				2		2	2		2				
	103026	NUT, 3/8"-24 (12.9120)				6	1		2		3			2	
	218443	NUT, 3/4"-10 JAM (12.9120)				2			2						
	5146707	*NUT, 3/4"-10 JAM*				2			2						
	273188	NUT, 1"-12 (12.9120)						2			2				

+ NOT SERVICED, USE 8922065 FLYWHEEL HOUSING ASSY., 2-9425326 WAIST BOLTS, 3-9439720 AND LONGER BOLTS TO RE INSTALL THE TRANSMISSION OR OTHER APPLICATION.

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	558	563	587	596	608	609	684	685	688	693	694	695
		1.5001 - HOUSING ASSY., FLYWHEEL (CONT'D)													
		@ NOT SERVICED, USE PART NUMBER IN PARENTHESES.													
		1.5004 - SEAL, CRANKSHAFT OIL-REAR													
	5114335	SEAL, OIL (SGL. LIP) (.525" WIDE)	1		1		1		1						
6A	**8927746**	* SEAL, OIL (DBL. LIP) (.580" WIDE) (R.H.)						1		1		1	1	1	
6A	**8926761**	SEAL, OIL (SGL. LIP) (.625" WIDE) (R.H.)		1		1					1				
6A	**8927747**	* SEAL, OIL (DBL. LIP) (.580" WIDE) (L.H.)													1
6A	**8927748**	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (R.H.)	AR		AR		AR	AR	AR	AR		AR	AR	AR	
6A	**8927749**	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (L.H.)	AR		AR		AR		AR						AR
6A	**8923654**	SEAL, OIL (O.S. SGL. LIP) (.625" WIDE) (R.H.)		AR		AR					AR				
		* ONE (TEFLON) SEALING LIP & ONE DUST LIP.													
		1.5010 - GASKET, FLYWHEEL HOUSING													
6A	**5147246**	GASKET				1	1	1	1		1				
6A	**5144875**	GASKET	1	1	1					1		1	1	1	1
		1.5012 - SLEEVE, CRANKSHAFT REAR OIL SEAL													
	5197159	SLEEVE, O.S. OIL SEAL (1.24" LONG) (1.3066)	AR		AR		AR	AR	AR	AR		AR	AR	AR	
	5198158	SLEEVE, O.S. OIL SEAL (1.38" LONG) (1.3066)		AR		AR					AR				
		1.5025 - BRACKET, FLYWHEEL HOUSING TO HEAD SUPPORT													
	5146308	BRACKET (RIGHT BANK)	1			1			1						
	5146310	BRACKET (LEFT BANK)		1		1			1						
	427564	BOLT, 7/16"-14 X 1 3/8" (12.9001)				4			4						
	5138619	WASHER, 25/64"X3/4"X.083" (4.1512)						6	6						
	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)		4		4			4						
	5131978	WASHER, .53"X1.00"X.164"						6	6						
	103342	WASHER, 7/16 (12.9190)		2											
	103322	LOCKWASHER, 7/16" (12.9250)		4		6			6						
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE													
6A	**5122281**	COVER	2	2	2	2	2	2	2	2	2	2	2	2	2
6A	**5188224**	BOLT, 7/16"-14X.88" W/NYLON INSERT (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2	2
6A	**122408**	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8	8
6A	**5125108**	WASHER, 7/16"X3/4" (2.4030)	2	2	2	2	2	2	2	2	2	2	2	2	2
6A	**103343**	WASHER, 1/2" (12.9190)				2					2				
6A	**103323**	LOCKWASHER, 1/2" (12.9200)	8	8	8	6	8			8	6	8	8	8	8

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	558	563	587	596	608	609	684	685	688	693	694	695
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER													
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE													
6A	**5154669**	COVER	3	2	1	1	2	2	2	2		1	2	2	2
6A	**5107677**	*COVER (1.1020)*		1						1	1	1	1	1	1
	5101548	STUD, 3/8"-16-24X1.18 SPL.		4											
6A	**8927580**	BOLT, 3/8"-16X1.015" (12.9001)	9	5	2	2	2	2	2	9	2	7	9	9	7
6A	**5101377**	BOLT, 3/8"-16X1" W/SEAL PATCH (5.2020)	6	6	6	6	6	6	6						
6A	**8927581**	BOLT, 3/8"-16X1.135" (12.9001)										2			1
6A	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)	1	1	1	1	1	1	1	1		1	1	1	1
	186312	BOLT, 3/8"-24X4" (12.9001)													1
6A	**186315**	BOLT, 3/8"-24X4 1/2" (12.9001)	8	7	4	3	8	8	8	8	3	7	8	8	6
6A	**186317**	BOLT, 3/8"-24X5" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1
6A	**5152148**	WASHER, 3/8"X9/16" (2.4050)								1		1	1	1	1
6A	**5138619**	WASHER, 25/64"X3/4"X.083" (4.1512)	5	4	1	1	1	1	1	5	1		5	5	1
6A	**5125108**	WASHER, 7/16"X3/4" (2.4030)													1
6A	**103321**	*LOCKWASHER, 3/8" (12.9200)*	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103026	NUT, 3/8"-24 (12.9120)	5	8	1	1	1	1	1	1	1	5	5	5	5
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER													
	8922443	SEALANT, RTV 88ML. 3 OZ.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV 305ML. 10.3 OZ.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6 9 8	7 0 2
		1.5001 - HOUSING ASSY., FLYWHEEL		
6A	**8925184**	HOUSING (SAE #1)	1	1
6A	**5142549**	PLUG, 3/4"-14 PIPE (12.9550)	1	1
	8924750	PLUG, 1" PIPE (12.9550)	3	2
	8924751	PLUG, 1 1/4" PIPE (12.9550)	1	1
6A	**8927581**	BOLT, 3/8"-16X1.135" (12.9001)	2	2
6A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)	1	1
6A	**8927582**	BOLT, 3/8"-16X1.255" (12.9001)	6	6
6A	**5121466**	BOLT, 3/8"-24X3 7/8" (12.9001)	7	7
6A	**190770**	BOLT, 1/2"-13X3 1/4" (12.9001)	6	6
6A	**5131978**	WASHER, .53"X1"X.164"	6	6
6A	**5138619**	WASHER, 25/64"X3/4"X.083" (4.1512)	6	6
6A	**103321**	LOCKWASHER, 3/8" (12.9200)	10	10
		1.5004 - SEAL, CRANKSHAFT OIL-REAR		
6A	**5114335**	SEAL, OIL (SGL. LIP) (.525" WIDE)		1
6A	**8927746**	* SEAL, OIL (DBL. LIP) (.580" WIDE) (R.H.)	1	
6A	**8927748**	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (R.H.)	AR	AR
6A	**8927749**	* SEAL, OIL (O.S. DBL. LIP) (.580" WIDE) (L.H.)		AR
		* ONE (TEFLON) SEALING LIP & ONE DUST LIP.		
		1.5010 - GASKET, FLYWHEEL HOUSING		
6A	**5144875**	GASKET	1	1
		1.5012 - SLEEVE, CRANKSHAFT REAR OIL SEAL		
	5197159	SLEEVE, O.S. OIL SEAL (1.24" LONG) (1.3066)	AR	AR
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE		
6A	**5122281**	COVER	2	2
6A	**5188224**	BOLT, 7/16"X.88" W/NYLON INSERT (12.9001)	2	2
6A	**122408**	BOLT, 1/2"-13X1" (12.9001)	8	8
6A	**5125108**	WASHER, 7/16"X3/4" (2.4030)	2	2
6A	**103323**	LOCKWASHER, 1/2" (12.9200)	8	8
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER		
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)	AR	AR
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)	AR	AR
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE		
6A	**5154669**	COVER	2	2
6A	**5107677**	COVER (1.1020)	1	1
6A	**8927580**	BOLT, 3/8"-16X1.015" (12.9001)	9	9
6A	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)	1	1
6A	**186315**	BOLT, 3/8"-24X4 1/2" (12.9001)	8	8
6A	**186317**	BOLT, 3/8"-24X5" (12.9001)	1	1

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6 9 8	TYPES 7 0 2
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE (CONT'D)		
6A	**5152148**	WASHER, 3/8"X9/16" (2.4050)	1	1
6A	**5138619**	WASHER, 25/64"X3/4"X.083" (4.1512)	5	5
6A	**103321**	LOCKWASHER, 3/8" (12.9200)	17	17
	103026	NUT, 3/8"-24 (12.9120)	1	1
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER		
	8922443	SEALANT, RTV 88ML. 3 OZ.	AR	AR
	8922442	SEALANT, RTV 305ML. 10.3 OZ.	AR	AR

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1.5000B FLYWHEEL HOUSING ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1		4		2 5	3	3 2	3 6
				2		2 3		3 1		
		1.5130 - ADAPTOR, FLYWHEEL HOUSING								
		▪ FOR TYPE 26 USE TYPE 2.▪								
	3224296	ADAPTOR (SAE 1 TO 2)	1							
	5174313	ADAPTOR (SAE 1 TO 3)		1						
	5173389	ADAPTOR (SAE 3)			1					
	5112789	ADAPTOR (SAE 1/2 TO 1)					1			
	5132534	@ ADAPTOR (SAE "O")						1		
	5133361	* ADAPTOR (SAE 1)							1	1
	5111394	ADAPTOR (SAE 1 TO 2)				1				
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	12		12					
	5130293	BOLT, 7/16"-14X1 1/4" (NYLON INSERT)		12						
	106337	BOLT, 7/16"-14 X 1 3/8 (12.9001)				12				
	186725	BOLT, 1/2"-13X1/2" (12.9001)					12			
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)							16	16
	179888	BOLT, 1/2"-13X1 7/8" (12.9001)						2		
	103343	WASHER, 1/2" (12.9190)					12	2		
	103322	LOCKWASHER, 7/16" (12.9200)	12	12	12	12				
	103323	LOCKWASHER, 1/2" (12.9200)					12		16	16
		* USED WITH 5133481 SCREEN THRU 16VA-1275 AND WITH 5139812 EFF. WITH 16VA-1276 THRU 16VA-2441.								
		@ OBSOLETE.								
		1.5135 - GASKET, FLYWHEEL HOUSING ADAPTOR								
	5111990	GASKET				1				
		1.5145 - COVER, FLYWHEEL HOUSING ADAPTOR HOLE								
	5133481	# COVER							2	
	5139899	& SCREEN ASSY.							1	
	5139812	@ SCREEN ASSY.							2	
	5139899	SCREEN ASSY.								6
	186625	BOLT, 5/16"-18X7/8" (12.9001)								6
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)							4	
	120393	WASHER, 5/16" (12.9190)								6
	103320	LOCKWASHER, 5/16" (12.9200)							AR	AR
	114493	NUT, 5/16"-24 HEX. (12.9120)							4	
		# THRU 16VA-1275.								
		& EFFECTIVE WITH 16VA-2442.								
		@ EFFECTIVE WITH 16VA-1276 THRU 16VA-2441.								

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	36	38	42	51	78	81	86	88	111	117	128	132
		1.6001 - CONNECTING ROD ASSY.													
		▪ FOR TYPES 31, 32, 40, 50 USE TYPE 30.▪ ▪ FOR TYPES 95, 117 USE TYPE 86.▪ QUANTITIES SHOWN ARE PER CYLINDER. A ROD ASSY. INCLUDES CAP WHICH IS NOT SOLD SEPARATELY, PLUS ITEMS IN 1.6001, 1.6010, 1.6020 AND 1.6040. THE CROSSHEAD ROD INCLUDES ONLY ITEMS IN 1.6001. FOR TYPES 95, 117 USE TYPE 86.													
7A	**5135756**	ROD ASSY.	1	1				1	1	1	1		1		
7A	**5135760**	ROD ASSY. (TURBO)			1		1					1			
7A	**5109903**	* ROD ASSY.				1									
7B	**5144848**	ROD ASSY. (CROSSHEAD)												1	1
7A,B	**5132383**	BOLT	2	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	**5117629**	NUT	2	2	2	2	2	2	2	2	2	2	2	2	2
		* NOT SERVICED; CONVERT TO TYPE 78; INCLUDE 1-8528885 COOLER CORE IN 4.4001 AND DELETE OIL COOLER BAFFLE IN 4.4085.													
		1.6010 - NOZZLE, CONNECTING ROD SPRAY													
7A	**5150140**	NOZZLE	1	1	1	1	1	1	1	1	1	1	1		
		1.6020 - ORIFICE, CONNECTING ROD													
	5154360	ORIFICE	1	1				1	1	1	1		1		
		1.6040 - BUSHING, CONNECTING ROD PISTON PIN													
7A	**5157274**	BUSHING	2	2				2	2	2	2		2		
		1.6100 - SHELL, CONNECTING ROD BEARING													
		A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER BEARING SHELL.													
	5149572	SHELL SET (STANDARD)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149573	SHELL SET (.002" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149575	SHELL SET (.010" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149577	SHELL SET (.020" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149579	SHELL SET (.030" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	36	38	42	51	78	81	86	88	111	117	128	132
		1.6106 - RING, CROSSHEAD PISTON SEAL													
7B	8922221	RING, SEAL												1	1
		1.6110 - PISTON ASSY.													
		A TRUNK TYPE PISTON ASSY. INCLUDES BUSHINGS IN 1.6145 AND RETAINERS IN 1.6150. A CROSSHEAD (CR/HD) PISTON DOME KIT INCLUDES PISTON CROWN PLUS SEAL RING IN 1.6106, PIN IN 1.6140, BEARING IN 1.6142 AND RETAINERS IN 1.6150.													
7A	5197026	@ PISTON ASSY., TRUNK (17:1) TURBO	1	1		1		1	1						
7B	5199487	* PISTON ASSY., CR/HD (17:1) TURBO												1	
7B	5149983	PISTON KIT, DOME (17:1 TURBO CR/HD KEYSTONE)													1
	5149236	# PISTON ASSY., TRUNK (17:1 TURBO)			1		1					1			
	5149234	PISTON ASSY., TRUNK (18.7:1)								1	1		1		
7A	5198839	+ PISTON ASSY., TRUNK (18.7:1 HARD GROOVE)								1	1				
7B	5144836	SKIRT, PISTON (CR/HD)													1
		* NOT SERVICED; USE PISTON DOME KIT 5149983 PLUS 5144836 PISTON SKIRT AND 5199824 RING SET.													
		@ NOT SERVICED; USE 5149234 AND CHANGE OUT ALL CYLINDERS.													
		+ NOT SERVICED, USE 5149234 AND WITH "NC" FIRE RING IN 1.6120.													
		# USE WITH NON-CHROME FIRE RING.													
		1.6115 - RING SET, PISTON													
		CONSISTS OF SUFFICIENT RINGS FOR ONE (1) CYLINDER.													
	5199806	RING SET (STANDARD) (HARD GROOVE)	AR	AR		AR			AR						
	5197177	RING SET (TURBO) (HARD GROOVE)			AR										
	5198274	RING SET (HARD GROOVE)					AR								
	5199807	RING SET (HARD GROOVE)						AR							
	5199805	RING SET (HARD GROOVE)								AR			AR		
	5199806	RING SET (HARD GROOVE)									AR				
	5199343	RING SET (STANDARD) (TURBO) (HARD GROOVE)										AR			
	5199329	RING SET (TURBO) (HARD GROOVE)												AR	
	5149255	RING SET								AR					
	5149226	RING SET					AR								
	5149225	RING SET											AR		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	36	38	42	51	78	81	86	88	111	117	128	132
		1.6115 - RING SET, PISTON (CONT'D)													
	5149223	RING SET	AR	AR		AR			AR		AR				
	5149227	*RING SET*			AR										
	5149230	RING SET TURBO												AR	
	5149232	RING SET						AR							
	5149228	RING SET (STD) TURBO										AR			
	5199824	*RING SET CROSSHEAD TURBO (ABOVE 75 MM INJECTORS)*													AR
		1.6120 - RING, PISTON COMPRESSION													
		"CF" INDICATES CHROME FLASHED AND "NC" INDICATES NON-CHROME.													
7A	**5185325**	RING	3	3	3	3	3	3	3			3			3
7A,B	**5148573**	RING, FIRE (CF) (HARD GROOVE PISTON)	1	1	1	1		1	1		1			1	
7A	**5136200**	RING, FIRE (H-13 STEEL) (HARD GROOVE PISTON)					1			1			1		
7A,B	**5122321**	RING								3	3		3	3	1
	5148035	RING, PRESTRESSED													1
7A	**5136970**	RING, FIRE (H-13 STEEL) (CF) (HARD GROOVE PISTON)										1			
7A	**5100797**	*RING, FIRE (NC)*													1
	5102648	RING, FIRE (NC) PRESTRESSED	1	1	1	1		1	1		1			1	
	5102647	RING, FIRE (NC) ("H-13")					1			1			1		
	5102776	RING FIRE										1			
		+ *NOT SERVICED; USE NUMBER IN PARENTHESES.*													
		1.6130 - RING, PISTON OIL CONTROL													
		AN OIL CONTROL RING CONSISTS OF SCRAPERS AND EXPANDER FOR (1) GROOVE. AN OIL CONTROL RING SET CONSISTS OF SCRAPERS AND EXPANDERS FOR (1) PISTON.													
7A	**5179836**	RING	2	2		2			2						
7A	**5197180**	*RING (UPPER)*			1							1			
7A	**5194961**	RING (LOWER)			1							1			
7A,B	**5198089**	RING SET					1							1	
7A,B	**5199827**	RING SET						1		1	1		1		1
		1.6140 - PIN, PISTON													
7A	**5188406**	PIN (NON-DRILLED)	1	1		1		1	1	1	1		1		
	5146383	* PIN (NON-TURBO DRILLED)	1	1		1		1	1	1	1				
	5194543	PIN (.010" O.S.)	AR	AR		AR		AR	AR	AR	AR		AR		
7A	**5130881**	PIN (TURBO, NON-DRILLED)			1							1			
	5144495	PIN (TURBO, DRILLED)					1								
7B	**5144744**	PIN (CROSSHEAD)												1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	36	38	42	51	78	81	86	88	111	117	128	132
		1.6140 - PIN, PISTON (CONT'D)													
7B	5144846	SPACER												2	2
7B	5148373	BOLT, 7/16"-20X2" (12 PT.) * NOT PART OF CYLINDER KITS. USE WHERE DESIRED IN PLACE OF 5188406 IN NON-TURBOCHARGED ENGINES.												2	2
		1.6142 - BEARING, PISTON PIN													
7B	5144843	BEARING (SLIPPER TYPE)												1	1
		1.6145 - BUSHING, PISTON PIN													
7A	5155839	BUSHING	2	2	2	2		2	2	2	2		2		
		1.6150 - RETAINER, PISTON PIN													
7A	5188405	RETAINER	2	2	2	2	2	2	2	2	2	2	2		
7B	5180250	RETAINER												2	2
		1.6180 - LINER, CYLINDER													
7A,B	5113953	LINER (STANDARD) (OVAL PART)	1	1	1	1	1	1	1	1	1	1	1	1	1
7A,B	5197565	LINER (.001"O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7A,B	5193732	LINER (.005"O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7A,B	5193733	LINER (.010"O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7A,B	5193734	LINER (.020"O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7A,B	5193735	LINER (.030"O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.6182 - CYLINDER KIT													
		A TRUNK TYPE CYLINDER KIT INCLUDES PISTON ASSY. IN 1.6110, RINGS IN 1.6115, 1.6120 AND 1.6130, PIN IN 1.614 0, BUSHINGS IN 1.6145, RETAINERS IN 1.6150 AND LINER IN 1.6180. A CROSSHEAD (CR/HD) TYPE CYLINDER KIT INCLUDES PISTON CROWN PLUS SEAL RING IN 1.6106, SKIRT IN 1.6110, RING S IN 1.6115, 1.6120 AND 1.6130, PIN IN 1.6140, BEARING IN 1.6142, RETAINERS IN 1.6150 AND LINER IN 1.6180.													
	5197025	* CYLINDER KIT, TRUNK (4 VALVE; NON-AUTO.)	AR	AR		AR			AR						
	5197497	* CYLINDER KIT, TRUNK ("N")									AR				
	5149260	CYLINDER KIT, TRUNK ("N") (N60 INJECTOR AND BELOW)	AR	AR		AR		AR	AR		AR				
	5149265	CYLINDER KIT, TRUNK ("N") (N65 INJECTOR AND ABOVE)								AR					
	5149266	CYLINDER KIT, TRUNK .001 O.S. LINER N NON-AUTO (N-65 INJECTOR AND ABOVE)								AR					
	5149263	CYLINDER KIT, TRUNK .010 OS LINER	AR	AR		AR		AR	AR		AR				
	5149264	CYLINDER KIT, TRUNK .020 OS LINER	AR	AR		AR		AR	AR		AR				
	5149270	CYLINDER KIT, TRUNK (TURBO)			AR										
	5149268	CYLINDER KIT, TRUNK (TURBO)					AR								

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	36	38	42	51	78	81	86	88	111	117	128	132
	1.6182	**- CYLINDER KIT (CONT'D)**													
	5198478	* CYLINDER KIT, TRUNK (2 VALVE DERATED)						AR							

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PART NUMBER	NAME AND DESCRIPTION	TYPES 30	36	38	42	51	78	81	86	88	111	117	128	132
1.6182 - CYLINDER KIT (CONT'D)														
5149271	CYLINDER KIT, TRUNK (TURBO) (90 MM INJECTORS)										AR			
5199821	CYLINDER KIT, CR/HD (TURBO) (ABOVE 80 MM INJECTORS) * NOT SERVICED, USE SECOND KIT IN SAME TYPE AND CHANGE OUT ALL CYLINDERS.												AR	
1.6185 - SHIM, CYLINDER LINER														
5199569	SHIM (.002")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
1.6187 - INSERT, CYLINDER LINER														
5184484	INSERT, .1795" THRU .1800" THK FOR STD. THRU .005" O.S. LINER	1	1	1	1	1	1	1	1	1	1	1	1	1
5148399	INSERT, .1810" THRU .1815" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	A R	AR
5148440	INSERT, .1780" THRU .1785" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	A R	AR
5194073	INSERT, .1760" THRU .1755" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	A R	AR
5194074	INSERT, .1715" THRU .1720" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	A R	AR
5193316	INSERT, .1795" THRU .1800" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5194163	INSERT, .1755" THRU .1760" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		A R	AR
5194164	INSERT, .1715" THRU .1720" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		A R	AR
5199871	INSERT, .1810" THRU .1815" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		A R	AR
5199872	INSERT, .1780" THRU .1785" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		A R	AR

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 137	138	143	174	184	186	187	201	209	210	211
		1.6001 - CONNECTING ROD ASSY.											
		• FOR TYPE 133 USE TYPE 137.■ • FOR TYPE 161 USE TYPE 143.■ • FOR TYPE 185 USE TYPE 184.■ QUANTITIES SHOWN ARE PER CYLINDER. THE CROSSHEAD (CR/HD) ROD INCLUDES ONLY ITEMS IN 1.6001.											
7B	**5144848**	ROD ASSY. (CR/HD)	1	1	1	1				1		1	1
7B	**5147798**	ROD ASSY. (CR/HD) (Y-DRILLED)					1	1	1		1		
7A,B	**5132383**	BOLT	2	2	2	2	2	2	2	2	2	2	2
7A,B	**5117629**	NUT	2	2	2	2	2	2	2	2	2	2	2
		1.6100 - SHELL, CONNECTING ROD BEARING											
		A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER BEARING SHELL.											
	5149572	SHELL SET (STD.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149573	SHELL SET (.002" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149575	SHELL SET (.010" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149577	SHELL SET (.020" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5149579	SHELL SET (.030" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.6106 - RING, CROSSHEAD PISTON SEAL											
7B	**8922221**	RING SEAL	1	1	1	1	1	1	1	1	1	1	1
		1.6110 - PISTON ASSY.											
		A CROSSHEAD (CR/HD) PISTON DOME KIT INCLUDES PISTON CROWN PLUS SEAL RING IN 1.6106, PIN IN 1.6140, BEARING IN 1.6142 AND RETAINERS IN 1.6150.											
7B	**5149983**	PISTON KIT, DOME (17:1 TURBO CR/HD KEYSTONE)		1	1	1	1	1	1	1	1	1	1
7B	**5149982**	PISTON KIT, DOME (18.7:1 CR/HD KEYSTONE)	1										
7B	**5144836**	SKIRT, PISTON (CR/HD)	1	1	1	1	1	1	1	1	1	1	1
		1.6115 - RING SET, PISTON											
		CONSISTS OF SUFFICIENT RINGS FOR ONE (1) CYLINDER.											
	5199824	* RING SET (KEYSTONE, TURBO)		AR	AR					AR			
	5149604	@ RING SET (KEYSTONE, TURBO)					AR	AR	AR		AR	AR	AR

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 137	138	143	174	184	186	187	201	209	210	211
		1.6115 - RING SET, PISTON (CONT'D)											
	5199825	RING SET (KEYSTONE, NON-TURBO)	AR										
	5149248	@ RING SET (KEYSTONE, TURBO,CROSSHEAD)				AR					AR	AR	AR
		* THRU 8VA-322222											
		@ EFF. WITH 8VA-322223											
		1.6120 - RING, PISTON COMPRESSION											
		"CF" INDICATES CHROME FLASHED AND "NC" INDICATES NON-CHROME.											
7A,B	**5122321**	RING	1	1	1	1	1		1	1	1	1	1
7A	**5148035**	RING, PRESTRESSED	1	1	1	1	1	2	1	1	1	1	1
	NPN	RING						1					
	5100797	RING, FIRE (NC) (KEYSTONE)	1	1	1	1				1		1	1
	8924083	RING, FIRE (FC) (BLUE STRIPE ON O.D.) (KEYSTONE)					1		1		1		
		1.6130 - RING, PISTON OIL CONTROL											
		AN OIL CONTROL RING CONSISTS OF SCRAPERS AND EXPANDER FOR (1) GROOVE. AN OIL CONTROL RING SET CONSISTS OF S CRAPERS AND EXPANDERS FOR (1) PISTON.											
7A,B	**5199827**	RING SET	1										
	5149605	RING SET					1	1	1				
7A,B	**5199826**	RING SET (TURBO) (ABOVE 75 CCM INJ.)		1	1					1	1	1	1
7A,B	**5149247**	RING SET (TURBO) (BELOW 75 CCM INJ.)				1	1						
		1.6140 - PIN, PISTON											
7B	**5144744**	PIN (CROSSHEAD)	1	1	1	1	1	1	1	1	1	1	1
7B	**5144846**	SPACER	2	2	2	2	2	2	2	2	2	2	2
7B	**5148373**	BOLT, 7/16"-20 X 2" (12 PT.)	2	2	2	2	2	2	2	2	2	2	2
		1.6142 - BEARING, PISTON PIN											
7B	**5144843**	BEARING (SLIPPER TYPE)	1	1	1	1	1	1	1	1	1	1	1
		1.6150 - RETAINER, PISTON PIN											
	5180250	RETAINER	2	2	2	2	2	2	2	2	2	2	2
		1.6180 - LINER, CYLINDER											
7A,B	**5113953**	LINER (STANDARD) (OVAL PORT)	1	1	1	1	1	1	1	1	1	1	1
7A,B	**5197565**	LINER (.001 O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7A,B	**5193732**	LINER (.005" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 137	138	143	174	184	186	187	201	209	210	211
		1.6180 - LINER, CYLINDER (CONT'D)											
7A,B	**5193733**	LINER (.010" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7A,B	**5193734**	LINER (.020" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7A,B	**5193735**	LINER (.030" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.6182 - CYLINDER KIT											
		A CROSSHEAD (CR/HD) TYPE CYLINDER KIT INCLUDES PISTON CROWN PLUS SEAL RING IN 1.6106, SKIRT IN 1.6110, RING S IN 1.6115, 1.6120 AND 1.6130, PIN IN 1.6140, BEARING IN 1.6142, RETAINERS IN 1.6150 AND LINER IN 1.6180.											
	5199822	CYLINDER KIT, CR/HD (KEYSTONE)	AR										
	5199956	CYLINDER KIT, CR/HD (KEYSTONE) (.001" O.S., O.D.)	AR										
	5149249	CYLINDER KIT, CR/HD (KEYSTONE, *TURBO) (N75 INJECTOR AND* BELOW)		AR	AR	AR							
	5199821	CYLINDER KIT, CR/HD (KEYSTONE, TURBO) (ABOVE N75 INJECTORS) (DOMESTIC)		AR	AR	AR		AR		AR		AR	AR
	5149603	CYLINDER KIT, CR/HD (KEYSTONE, TURBO) (ABOVE N75 INJECTORS) (MILITARY)					AR		AR		AR		
	5149302	CYLINDER KIT, CR/HD (.001" O.S. LINER) (KEYSTONE, TURBO) (75MM INJECTORS AND BELOW)	AR	AR		AR							
	5149303	CYLINDER KIT, CR/HD (.010" O.S. LINER) (KEYSTONE, TURBO, 75MM INJECTORS AND BELOW)			AR								
	5149300	CYLINDER KIT, CR/HD (.010" O.S. LINER) (KEYSTONE, NON-TURBO)	AR	AR		AR							
	5149301	CYLINDER KIT, CR/HD (.020" O.S. LINER) (KEYSTONE, NON-TURBO)	AR	AR		AR							
	5149304	CYLINDER KIT, CR/HD (.020" O.S. LINER) (KEYSTONE, TURBO) (75MM INJECTORS AND BELOW)			AR								
		1.6185 - SHIM, CYLINDER LINER											
	5199569	SHIM (.002")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.6187 - INSERT, CYLINDER LINER											
	5184484	INSERT, .1795" THRU .1800" THK. FOR STD. THRU .005" O.S. LINER	1	1	1	1	1	1	1	1	1	1	1
	5148399	INSERT, .1810" THRU .1815" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5148440	INSERT, .1780" THRU .1785" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 137	138	143	174	184	186	187	201	209	210	211
		1.6187 - INSERT, CYLINDER LINER (CONT'D)											
	5194073	INSERT, .1760" THRU .1755" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5194074	INSERT, .1715" THRU .1720" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5193316	INSERT, .1795" THRU .1800" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5194163	INSERT, .1755" THRU .1760" THK. FOR.010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5194164	INSERT, .1715" THRU .1720" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5199871	INSERT, .1810" THRU .1815" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5199872	INSERT, .1780" THRU .1785" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 212	213	214	219	229	230	231	232	233	246	283	286	287
		1.6001 - CONNECTING ROD ASSY.													
		QUANTITIES SHOWN ARE ONE (1) PER CYLINDER.													
		ROD ASSY. INCLUDES ITEMS IN 1.6001.													
7B	**5144848**	ROD ASSY., CR/HD	1	1	1	1	1	1	1	1	1	1		1	1
7B	**5147798**	ROD ASSY., CR/HD											1		
7B	**5132383**	BOLT, 7/16"-20X3.52"	2	2	2	2	2	2	2	2	2	2	2	2	2
7B	**5117629**	NUT, 7/16"-20	2	2	2	2	2	2	2	2	2	2	2	2	2
		1.6100 - SHELL, CONNECTING ROD BEARING													
		A SHELL SET CONSISTS OF ONE (1) UPPER AND ONE (1) LOWER BEARING SHELL.													
7B	**5149572**	SHELL SET (STD.)	1	1	1	1	1	1	1	1	1	1	1	1	1
7B	**5149573**	SHELL SET (.002" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7B	**5149575**	SHELL SET (.010" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7B	**5149577**	SHELL SET (.020" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7B	**5149579**	SHELL SET (.030" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.6106 - RING, CROSSHEAD PISTON SEAL													
7B	**8922221**	RING, SEAL 3.523" I.D. X 3.941" O.D. X .104" W.	1	1	1	1	1	1	1	1	1	1	1	1	1
		1.6110 - PISTON ASSY.													
		A CROSSHEAD (CR/HD) PISTON DOME KIT INCLUDES PISTON CROWN PLUS SEAL RING IN 1.6106, PIN IN 1.6140, BEARING IN 1.6142 AND RETAINERS IN 1.6150.													
7B	**5149982**	PISTON KIT, DOME (18.7:1 CR/HD)				1	1								
7B	**5149983**	*PISTON KIT, DOME (17:1, TURBO,* CR/HD)						1	1				1	1	1
7B	**5144836**	SKIRT, PISTON (CR/HD)	1	1	1	1	1	1	1	1	1	1	1	1	1
		1.6115 - RING SET, PISTON													
		CONSISTS OF SUFFICIENT RINGS FOR ONE (1) PISTON.													
	5149248	RING SET (KEYSTONE, TURBO CR/HD)	1	1	1										
	NPN	RING SET (PLASMA)				1	1	1	1	1	1				
	NPN	RING SET (KEYSTONE, TURBO, CR/HD)										1			
	NPN	RING SET (KEYSTONE, TURBO, CR/HD)											1		
	8927780	RING SET (KEYSTONE, TURBO, CR/HD)												1	1
		1.6120 - RING, PISTON COMPRESSION													
		"FC" INDICATES FLASH CHROME AND "NC" INDICATES NON-CHROME.													
7B	**5122321**	RING (LOWER COMPRESSION)	1	1	1	1	1	1	1	1	1	1	1		
7B	**5148035**	*RING (UPPER COMPRESSION)*	1	1	1	1	1	1	1	1	1	1	1		
7B	**5100797**	RING, FIRE (NC) (KEYSTONE)		1	1							1			
7B	**8924083**	RING, FIRE (FC) (BLUE STRIPE ON O.D.) (KEYSTONE)	1										1		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 212	213	214	219	229	230	231	232	233	246	283	286	287
		1.6120 - RING, PISTON COMPRESSION (CONT'D)													
7B	**8921302**	RING, FIRE (FC) (PLASMA) (KEYSTONE)				1	1	1	1	1	1			1	1
7B	**8924084**	RING, FIRE (FC) (KEYSTONE)												2	
7B	**8926351**	RING (UPPER & LOWER COMPRESSION)													
		1.6130 - RING, PISTON OIL CONTROL													
		OIL CONTROL RING CONSISTS OF SCRAPERS AND EXPANDER FOR ONE (1) GROOVE. OIL CONTROL RING SET CONSISTS OF SCR APERS AND EXPANDERS FOR ONE (1) PISTON.													
7B	**5149247**	RING SET (TURBO)						1							
7B	**5199826**	RING SET (TURBO)	1	1	1				1	1	1	1			
7B	**5149605**	RING SET (TURBO)											1		
7B	**8927781**	RING SET (TURBO)												1	1
7B	**5199827**	RING SET				1	1								
		1.6140 - PIN, PISTON													
		PIN ASSY. INCLUDES NUT & OIL TUBE NOT SERVICED SEPARATELY.													
7B	**5144744**	PIN ASSY. (CR/HD)	1	1	1	1	1	1	1	1	1	1	1	1	1
7B	**5144846**	SPACER	2	2	2	2	2	2	2	2	2	2	2	2	2
7B	**5148373**	BOLT, 7/16"-20X2"	2	2	2	2	2	2	2	2	2	2	2	2	2
		1.6142 - BEARING, PISTON PIN													
7B	**5144843**	BEARING (SLIPPER TYPE)	1	1	1	1	1	1	1	1	1	1	1	1	1
		1.6150 - RETAINER, PISTON PIN													
7B	**5180250**	RETAINER	2	2	2	2	2	2	2	2	2	2	2	2	2
		1.6180 - LINER, CYLINDER													
7B	**5113953**	LINER (STANDARD) (1.05" PORT HEIGHT)	1	1	1	1	1	1	1	1	1			1	
7B	**5102795**	LINER (STANDARD) (.95" PORT HEIGHT)										1	1		1
7B	**5197565**	LINER (.001" O.S. O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR			AR	
7B	**5193732**	LINER (.005" O.S. O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR			AR	
7B	**5193733**	LINER (.010" O.S. O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR			AR	
7B	**5193734**	LINER (.020" O.S. O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR			AR	
7B	**5193735**	LINER (.030" O.S. O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR			AR	
7B	**5107447**	LINER (.001" O.S. O.D.)										AR	AR		AR
7B	**5107448**	LINER (.005" O.S. O.D.)										AR	AR		AR
7B	**5107449**	LINER (.010" O.S. O.D.)										AR	AR		AR
7B	**5107450**	LINER (.020" O.S. O.D.)										AR	AR		AR
7B	**5107455**	LINER (.030" O.S. O.D.)										AR	AR		AR

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PART NUMBER	NAME AND DESCRIPTION	TYPES 212	213	214	219	229	230	231	232	233	246	283	286	287
1.6182 - CYLINDER KIT														
	A CROSSHEAD (CR/HD) TYPE CYLINDER KIT INCLUDES PISTON CROWN PLUS SEAL RING IN 1.6106, SKIRT IN 1.6110, RING S IN 1.6115, 1.6120 AND 1.6130, PIN IN 1.6140, BEARING IN 1.6142, RETAINERS IN 1.6150 AND LINER IN 1.6180.													
5199821	CYLINDER KIT, CR/HD (17:1, TURBO)	1	1	1										
NPN	CYLINDER KIT, CR/HD (PLASMA)				1	1	1	1	1	1				
NPN	CYLINDER KIT, CR/HD (KEYSTONE, TURBO)										1			
NPN	CYLINDER KIT, CR/HD (17:1, TURBO)											1		
8927766	CYLINDER KIT, CR/HD (17:1 TURBO, N75 & BELOW INJECTORS)												1	
8927770	CYLINDER KIT, CR/HD (17:1, TURBO, N80 & BELOW INJECTORS)													1
1.6185 - SHIM, CYLINDER LINER														
5199569	SHIM (.002")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
1.6187 - INSERT, CYLINDER LINER														
5184484	INSERT, .1795" THRU .1800" THK. FOR STD. THRU .005" O.S. LINER	1	1	1	1	1	1	1	1	1	1	1	1	1
5148399	INSERT, .1810" THRU .1815" THK. FOR STD. THRU .005" O.S. LINER (COPPER FLASH)	AR	AR	AR	AR	AR	AR	A R	AR	AR	AR	AR	AR	AR
5148440	INSERT, .1780 THRU .1785" THK. FOR STD. THRU .005" O.S. LINER (BLACK OXIDE)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5194073	INSERT, .1760" THRU .1755" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	A R	AR
5194074	INSERT, .1715" THRU .1720" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	A R	AR
5193316	INSERT, .1795" THRU .1800" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5194163	INSERT, .1755" THRU .1760" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5194164	INSERT, .1715" THRU .1720" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5199871	INSERT, .1810" THRU .1815" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5199872	INSERT, .1780" THRU .1785" THK. FOR .010, .020, .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 291	292	293	296	297	298	301	302	303	306	307	308	311
		1.6001 - CONNECTING ROD ASSY.													
		QUANTITIES SHOWN ARE ONE (1) PER CYLINDER. ROD ASSY. INCLUDES ITEMS IN 1.6001.													
7B	**5144848**	ROD ASSY., CR/HD	1		1	1	1			1	1	1	1	1	1
7B	**5147798**	ROD ASSY., CR/HD		1				1	1						
7B	**5132383**	BOLT, 7/16"-20X3.52"	2	2	2	2	2	2	2	2	2	2	2	2	2
7B	**5117629**	NUT, 7/16"-20	2	2	2	2	2	2	2	2	2	2	2	2	2
		1.6100 - SHELL, CONNECTING ROD BEARING													
		A SHELL SET CONSISTS OF ONE (1) UPPER AND ONE (1) LOWER BEARING SHELL.													
7B	**5149572**	SHELL SET (STD.)	1	1	1	1	1	1	1	1	1	1	1	1	1
7B	**5149573**	SHELL SET (.002" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7B	**5149575**	SHELL SET (.010" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7B	**5149577**	SHELL SET (.020" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7B	**5149579**	SHELL SET (.030" U.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.6106 - RING, CROSSHEAD PISTON SEAL													
7B	**8922221**	RING, SEAL 3.523" I.D. X 3.941" O.D. X .104" W.	1	1	1	1	1	1	1	1	1	1	1	1	1
		1.6110 - PISTON ASSY.													
		A CROSSHEAD (CR/HD) PISTON DOME KIT INCLUDES PISTON CROWN PLUS SEAL RING IN 1.6106, PIN IN 1.6140, BEARING IN 1.6142 AND RETAINERS IN 1.6150.													
7B	**5149983**	PISTON KIT, DOME (17:1, TURBO, CR/HD)	1	1	1	1	1	1	1	1	1	1	1	1	1
7B	**5144836**	SKIRT, PISTON (CR/HD)	1	1	1	1	1	1	1	1	1	1	1	1	1
		1.6115 - RING SET, PISTON													
		CONSISTS OF SUFFICIENT RINGS FOR ONE (1) PISTON.													
	8927774	RING SET (KEYSTONE, TURBO, CR/HD)	1		1					1	1				
	8927775	RING SET (KEYSTONE, TURBO, CR/HD)		1				1	1						
	8927780	RING SET (KEYSTONE, TURBO, CR/HD)				1	1					1	1	1	
	NPN	RING SET													1
		1.6120 - RING, PISTON COMPRESSION													
		"FC" INDICATES FLASH CHROME AND "NC" INDICATES NON-CHROME.													
7B	**8924084**	RING, FIRE (FC) (KEYSTONE)	1		1	1	1			1	1	1	1	1	1
7B	**8926351**	RING (UPPER & LOWER COMPRESSION)	2	2	2	2		2	2	2	2	2			
7B	**8924083**	RING, FIRE (FC) (BLUE STRIPE ON O.D.) (KEYSTONE)		1				1	1						
7B	**5122321**	RING (LOWER COMPRESSION)													1
7B	**5148035**	RING (UPPER COMPRESSION)													1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 291	292	293	296	297	298	301	302	303	306	307	308	311
		1.6130 - RING, PISTON OIL CONTROL													
		OIL CONTROL RING CONSISTS OF SCRAPERS AND EXPANDERS FOR ONE (1) GROOVE. OIL CONTROL RING SET CONSISTS OF SC RAPERS AND EXPANDERS FOR ONE (1) PISTON.													
7B	**5199826**	RING SET (TURBO)	1		1					1	1				1
7B	**5149605**	RING SET (TURBO)		1				1	1						
7B	**8927781**	RING SET (TURBO)				1	1					1	1	1	
		1.6140 - PIN, PISTON													
		PIN ASSY. INCLUDES NUT & OIL TUBE NOT SERVICED SEPARATELY.													
7B	**5144744**	PIN ASSY. (CR/HD)	1	1	1	1	1	1	1	1	1	1	1	1	1
7B	**5144846**	SPACER	2	2	2	2	2	2	2	2	2	2	2	2	2
7B	**5148373**	BOLT, 7/16"-20X2"	2	2	2	2	2	2	2	2	2	2	2	2	2
		1.6142 - BEARING, PISTON PIN													
7B	**5144843**	BEARING (SLIPPER TYPE)	1	1	1	1	1	1	1	1	1	1	1	1	1
		1.6150 - RETAINER, PISTON PIN													
7B	**5180250**	RETAINER	2	2	2	2	2	2	2	2	2	2	2	2	2
		1.6180 - LINER, CYLINDER													
7B	**5113953**	LINER (STD.) (1.05" PORT HEIGHT)	1	1	1	1			1	1		1			
7B	**5102795**	LINER (STD.) (.95" PORT HEIGHT)					1	1			1		1	1	1
7B	**5197565**	LINER (.001" O.S. O.D.)	AR	AR	AR	AR			AR	AR		AR			
7B	**5193732**	LINER (.005" O.S. O.D.)	AR	AR	AR	AR			AR	AR		AR			
7B	**5193733**	LINER (.010" O.S. O.D.)	AR	AR	AR	AR			AR	AR		AR			
7B	**5193734**	LINER (.020" O.S. O.D.)	AR	AR	AR	AR			AR	AR		AR			
7B	**5193735**	LINER (.030" O.S. O.D.)	AR	AR	AR	AR			AR	AR		AR			
7B	**5107447**	LINER (.001" O.S. O.D.)					AR	AR			AR		AR	AR	AR
7B	**5107448**	LINER (.005" O.S. O.D.)					AR	AR			AR		AR	AR	AR
7B	**5107449**	LINER (.010" O.S. O.D.)					AR	AR			AR		AR	AR	AR
7B	**5107450**	LINER (.020" O.S. O.D.)					AR	AR			AR		AR	AR	AR
7B	**5107455**	LINER (.030" O.S. O.D.)					AR	AR			AR		AR	AR	AR
		1.6182 - KIT, CYLINDER													
		A CROSSHEAD (CR/HD) TYPE CYLINDER KIT INCLUDES PISTON CROWN PLUS SEAL RING IN 1.6106, SKIRT IN 1.6110, RING S IN 1.6115, 1.6120 AND 1.6130, PIN IN 1.6140, BEARING IN 1.6142, RETAINERS IN 1.6150 AND LINER IN 1.6180.													
	8927764	CYLINDER KIT, CR/HD (17:1, TURBO, *N80 TO M95 INJECTORS*)	AR		AR					AR					
	8927765	CYLINDER KIT, CR/HD (17:1, TURBO, M95 & ABOVE INJECTORS)		AR					AR						
	8927766	CYLINDER KIT, CR/HD (17:1, TURBO, N75 & BELOW INJECTORS)				AR						AR			
	8927782	CYLINDER KIT, CR/HD (17:1, TURBO)						AR							

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 291	292	293	296	297	298	301	302	303	306	307	308	311
		1.6182 - KIT, CYLINDER (CONT'D)													
	NPN	CYLINDER KIT, CR/HD (17:1, TURBO)									AR				
	8927770	CYLINDER KIT, CR/HD (17:1, TURBO, N80 & BELOW INJECTORS)					AR						AR	AR	AR
	NPN	CYLINDER KIT, CR/HD													
		1.6185 - SHIM, CYLINDER LINER													
	5199569	SHIM (.002")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.6187 - INSERT, CYLINDER LINER													
	5184484	INSERT, .1795" THRU .1800" THK. FOR STD. THRU .005" O.S. LINER	1	1	1	1	1	1	1	1	1	1	1	1	1
	5148399	INSERT, .1810" THRU .1815" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	A R	AR
	5148440	INSERT, .1780" THRU .1785" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	A R	AR
	5194073	INSERT, .1760" THRU .1755" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	A R	AR
	5194074	INSERT, .1715" THRU .1720" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	A R	AR
	5193316	INSERT, .1795" THRU .1800" THK. FOR .010", .020", .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5194163	INSERT, .1755" THRU .1760" THK. FOR .010", .020", .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5194164	INSERT, .1715" THRU .1720" THK. FOR .010", .020", .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5199871	INSERT, .1810" THRU .1815" THK. FOR .010", .020", .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5199872	INSERT, .1780" THRU .1785" THK. FOR .010", .020", .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 312	313	314	318	319	322	326	328	353	359	365
		1.6001 - CONNECTING ROD ASSY.											
		QUANTITIES SHOWN ARE ONE (1) PER CYLINDER. ROD ASSY. INCLUDES ITEMS IN 1.6001.											
7B	**5144848**	ROD ASSY., CR/HD	1	1		1	1	1		1	1		
7B	**5147798**	ROD ASSY., CR/HD			1				1			1	1
7B	**5132383**	BOLT, 7/16"-20X3.52"	2	2	2	2	2	2	2	2	2	2	2
7B	**5117629**	NUT, 7/16"-20	2	2	2	2	2	2	2	2	2	2	2
		1.6100 - SHELL, CONNECTING ROD BEARING											
		A SHELL SET CONSISTS OF ONE (1) UPPER AND ONE (1) LOWER BEARING SHELL.											
7B	**5149572**	SHELL SET, STD.	1	1	1	1	1	1	1	1	1	1	1
7B	**5149573**	SHELL SET, .002" U.S.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7B	**5149575**	SHELL SET, .010" U.S.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7B	**5149577**	SHELL SET, .020" U.S.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7B	**5149579**	SHELL SET, .030" U.S.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.6106 - RING, CROSSHEAD PISTON SEAL											
7B	**8922221**	RING, SEAL 3.523" I.D. X 3.941" O.D. X .104" W.	1	1		1	1	1	1	1	1	1	1
7B	**8927826**	RING, SEAL 3.725" I.D. X 4.084" O.D. X .074" W.			1								
		1.6110 - PISTON ASSY.											
		A CROSSHEAD (CR/HD) PISTON DOME KIT INCLUDES PISTON CROWN PLUS SEAL RING IN 1.6106, PIN IN 1.6140, BEARING IN 1.6142 AND RETAINERS IN 1.6150.											
7B	**5149983**	PISTON KIT, DOME (17:1, TURBO, CR/HD)	1	1		1	1	1	1	1		1	1
7B	**5149982**	PISTON KIT, DOME (18.7:1) NONTURBO CR/HD									1		
	NPN	PISTON KIT, DOME (CR/HD)			1								
7B	**5144836**	SKIRT, PISTON (CR/HD)	1	1		1	1	1	1	1	1	1	1
7B	**8927825**	SKIRT, PISTON (CR/HD)			1								
		1.6115 - RING SET, PISTON											
		CONSISTS OF SUFFICIENT RINGS FOR ONE (1) PISTON.											
	NPN	RING SET	1	1									
	8927775	RING SET (KEYSTONE, TURBO, CR/HD)			1				1			1	1
	8927774	RING SET (KEYSTONE, TURBO, CR/HD)				1	1						
	NPN	RING SET (TURBO)						1					
	8927780	RING SET (KEYSTONE, TURBO, CR/HD)								1			
	5199825	RING SET (KEYSTONE, NONTURBO)									1		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 312	313	314	318	319	322	326	328	353	359	365
		1.6120 - RING, PISTON COMPRESSION											
		"FC" INDICATES FLASH CHROME AND "NC" INDICATES NON-CHROME.											
7B	**8924084**	RING, FIRE (FC) (KEYSTONE)	1			1	1	1		1	1		
7B	**5122321**	RING (LOWER COMPRESSION)	1	1				1			1		
7B	**5148035**	RING (UPPER COMPRESSION)	1	1				1			1		
7B	**8921302**	RING, FIRE (FC) (PLASMA) (KEYSTONE)		1									
7B	**8924083**	RING, FIRE (FC) (BLUE STRIPE ON O.D.) (KEYSTONE)			1				1			1	1
7B	**8926351**	RING (UPPER & LOWER COMPRESSION)				2	2		2	2		2	2
		1.6130 - RING, PISTON OIL CONTROL											
		OIL CONTROL RING CONSISTS OF SCRAPERS AND EXPANDERS FOR ONE (1) GROOVE. OIL CONTROL RING SET CONSISTS OF SC RAPERS AND EXPANDERS FOR ONE (1) PISTON.											
7B	**8927781**	RING SET (TURBO)	1	1				1		1			
7B	**5149605**	RING SET (TURBO)			1				1			1	1
7B	**5199826**	RING SET (TURBO)				1	1						
7B	**5199827**	RING SET (NONTURBO)									1		
		1.6140 - PIN, PISTON											
		PIN ASSY. INCLUDES NUT & OIL TUBE NOT SERVICED SEPARATELY.											
7B	**5144744**	PIN ASSY. (CR/HD)	1	1	1	1	1	1	1	1	1	1	1
7B	**5144846**	SPACER	2	2	2	2	2	2	2	2	2	2	2
7B	**5148373**	BOLT, 7/16"-20X2"	2	2	2	2	2	2	2	2	2	2	2
		1.6142 - BEARING, PISTON PIN											
7B	**23501687**	BEARING (SLIPPER TYPE) (IDENTIFICATION: BLUE DYE ON END)	1	1	1	1	1	1	1	1	1	1	1
		1.6150 - RETAINER, PISTON PIN											
7B	**5180250**	RETAINER	2	2	2	2	2	2	2	2	2	2	2
		1.6180 - LINER, CYLINDER											
7B	**5102795**	LINER (STD.) (.95" PORT HEIGHT)	1	1		1							1
7B	**5113953**	LINER (STD.) (1.05" PORT HEIGHT)			1		1	1	1	1	1	1	
7B	**5197565**	LINER (.001" O.S. O.D.)			AR		AR	AR	AR	AR	AR	AR	
7B	**5193732**	LINER (.005" O.S. O.D.)			AR		AR	AR	AR	AR	AR	AR	
7B	**5193733**	LINER (.010" O.S. O.D.)			AR		AR	AR	AR	AR	AR	AR	
7B	**5193734**	LINER (.020" O.S. O.D.)			AR		AR	AR	AR	AR	AR	AR	
7B	**5193735**	LINER (.030" O.S. O.D.)			AR		AR	AR	AR	AR	AR	AR	
7B	**5107447**	LINER (.001" O.S. O.D.)	AR	AR		AR							AR
7B	**5107448**	LINER (.005" O.S. O.D.)	AR	AR		AR							AR
7B	**5107449**	LINER (.010" O.S. O.D.)	AR	AR		AR							AR
7B	**5107450**	LINER (.020" O.S. O.D.)	AR	AR		AR							AR
7B	**5107455**	LINER (.030" O.S. O.D.)	AR	AR		AR							AR

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 312	313	314	318	319	322	326	328	353	359	365
		1.6182 - KIT, CYLINDER											
		A CROSSHEAD (CR/HD) TYPE CYLINDER KIT INCLUDES PISTON CROWN PLUS SEAL RING IN 1.6106, SKIRT IN 1.6110, RING S IN 1.6115, 1.6120 AND 1.6130, PIN IN 1.6140, BEARING IN 1.6142, RETAINERS IN 1.6150 AND LINER IN 1.6180.											
	NPN	CYLINDER KIT, CR/HD	AR	AR	AR								
	NPN	CYLINDER KIT, CR/HD (17:1, TURBO)				AR							
	8927764	CYLINDER KIT, CR/HD (17:1, TURBO, N80 TO M95 INJECTORS)					AR						
	NPN	CYLINDER KIT, CR/HD (17:1, TURBO)						AR					
	8927765	CYLINDER KIT, CR/HD (17:1, TURBO, M95 & ABOVE INJECTORS)							AR			AR	
	8927766	CYLINDER KIT, CR/HD (17:1, TURBO, N75 & BELOW INJECTORS)								AR			
	5199822	CYLINDER KIT, CR/HD KEYSTONE (18.7:1) NONTURBO									AR		
	8927782	CYLINDER KIT, CR/HD (17:1, TURBO)											AR
		1.6185 - SHIM, CYLINDER LINER											
	5199569	SHIM (.002")	AR	AR	AR	AR	AR	AR	AR	AR			
		1.6187 - INSERT, CYLINDER LINER											
	5184484	INSERT, .1795" THRU .1800" THK. FOR STD. THRU .005" O.S. LINER	1	1	1	1	1	1	1	1	1	1	1
	5148399	INSERT, .1810" THRU .1815" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5148440	INSERT, .1780" THRU .1785" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5194073	INSERT, .1760" THRU .1755" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5194074	INSERT, .1715" THRU .1720" THK. FOR STD. THRU .005" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5193316	INSERT, .1795" THRU .1800" THK. FOR .010", .020", .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5194163	INSERT, .1755" THRU .1760" THK. FOR .010", .020", .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5194164	INSERT, .1715" THRU .1720" THK. FOR .010", .020", .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5199871	INSERT, .1810" THRU .1815" THK. FOR .010", .020", .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5199872	INSERT, .1780" THRU .1785" THK. FOR .010", .020", .030" O.S. LINER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	40	41	42	43	44	52	56	59	79	98	99	100
	1.7001 - CAMSHAFT														
		A CAMSHAFT ASSY. INCLUDES PLUG IN 1.7001.													
7C	**5117857**	CAMSHAFT ASSY. (RIGHT BANK, R.H. ENG.) (STAMPED 5117870) (6V)	1												
7C	**5117858**	CAMSHAFT ASSY. (LEFT BANK, R.H. ENG.) (STAMPED 5117869) (6V)	1												
7C	**5117853**	CAMSHAFT ASSY. (RIGHT BANK, R.H. ENG.) (STAMPED 5117872) (8V)		1							1				1
7C	**5117854**	CAMSHAFT ASSY. (LEFT BANK, R.H. ENG.) (STAMPED 5117871) (8V)		1							1				1
7C	**5117849**	CAMSHAFT ASSY. (RIGHT BANK, R.H. ENG.) (STAMPED 5117874) (12V)			1							1	1	1	
7C	**5117850**	CAMSHAFT ASSY. (LEFT BANK, R.H. ENG.) (STAMPED 5117873) (12V)			1							1	1	1	
7D	**5146163**	* CAMSHAFT ASSY. (RIGHT BANK, L.H. ENG.) (STAMPED 5145919) (6V)				1									
7C	**5117860**	CAMSHAFT ASSY. (LEFT BANK, L.H. ENG.) (STAMPED 5117875) (6V)				1									
7D	**5146074**	* CAMSHAFT ASSY. (RIGHT BANK, L.H. ENG.) (STAMPED 5139796) (8V)					1								
7C	**5117856**	CAMSHAFT ASSY. (LEFT BANK, L.H. ENG.) (STAMPED 5117877) (8V)					1								
7C	**5117851**	CAMSHAFT ASSY. (RIGHT BANK, L.H. ENG.) (STAMPED 5117880) (12V)						1							
7C	**5117852**	CAMSHAFT ASSY. (LEFT BANK, L.H. ENG.) (STAMPED 5117879) (12V)						1							
7C	**5126018**	CAMSHAFT ASSY. (RIGHT BANK, REAR, R.H. ENG.) (LEFT BANK, FRONT, L.H.ENGINE) (STAMPED 5126027) (16V)							1	1					
7C	**5126017**	CAMSHAFT ASSY. (LEFT BANK, REAR, R.H. ENG.) (RIGHT BANK, FRONT, L.H. ENGINE) (STAMPED 5126026) (16V)							1	1					
7C	**5126020**	CAMSHAFT ASSY. (RIGHT BANK, FRONT, R.H. ENG.) (LEFT BANK, REAR, L.H.ENGINE) (STAMPED 5126029) (16V)							1	1					
7C	**5126019**	CAMSHAFT ASSY. (LEFT BANK, FRONT, R.H. ENG.) (RIGHT BANK, REAR, L.H.ENGINE) (STAMPED 5126028) (16V)							1	1					
	5151277	PLUG	4	4	4	4	4	4	8	8	4	4	4	4	4
	9421745	@ PLUG, 1/2" CUP (12.9330)	1	1	1	1	1	1							

* EFFECTIVE WITH 6VA-56594 AND 8VA-119824; REQUIRES BOLT AND WASHER IN 1.7200 FOR GEAR RETENTION. DOES NOT REQUIRE RETAINER AND ATTACHING BOLTS IN 1.7207.

@ NOT PART OF CAMSHAFT ASSY.; USE IN CONJUNCTION WITH 5151277 IN FRONT OF LEFT BANK CAMSHAFT, WITH SUITABLE SEALANT, WHEN NECESSARY.

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	40	41	42	43	44	52	56	59	79	98	99	100
		1.7010 - BEARING, CAMSHAFT END													
		INCLUDES BUSHING.													
7C	5111422	* BEARING, REAR (STD.)	2	2	2	2	2	2	4	4	2	2	2	2	2
7C	5117984	BEARING, FRONT (STD.)	2	2	2	2	2	2			2	2	2	2	2
	5103930	BEARING, INNER (STD.)							4	4					
7C	5194858	BEARING, REAR (.010"U.S., I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5197569	BEARING, FRONT (.010" U.S., I.D.)	AR	AR	AR	AR	AR	AR			AR	AR	AR	AR	AR
7C	5149353	BEARING, INNER (.010" U.S., I.D.)							AR	AR					
7C	5197236	BEARING, REAR (.010" O.S. O.D. WITH STANDARD I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5197237	BEARING, REAR (.010" O.S., O.D. WITH .010" U.S., I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5197238	BEARING, REAR (.010" O.S., O.D. WITH .020" U.S., I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5194859	BEARING, REAR (.020" U.S., I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5197613	BEARING, FRONT (.020" U.S., I.D.)	AR	AR	AR	AR	AR	AR			AR	AR	AR	AR	AR
7C	5149354	BEARING, INNER (.020" U.S., I.D.)							AR	AR					
7C	186622	BOLT, 3/8"-16X1 1/4" (REAR)(12.9001)	6	6	6	6	6	6	12	12	6	6	6	6	6
7C	9414268	BOLT, 3/8"-16X1 1/2" (FRONT) (12 PT. HD.) (12.9005)	6	6	6	6	6	6	6	6	6	6	6	6	6
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* TIMING GEAR END ON 16V.													
		1.7012 - GASKET, CAMSHAFT FRONT END BEARING													
7C	5117243	GASKET	1	1	1	1	1	1			1	1	1	1	1
		1.7015 - BUSHING, CAM AND BALANCE SHAFT END													
	5111423	* BUSHING (GROOVED)	8	8	8	8	8	8	8	8	8	8	8	8	8
	5194825	BUSHING (.020" U.S.) (UNFINISHED)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5197110	@ BUSHING (INNER)(.020" U.S.) (UNFINISHED)							8	8					
		* TIMING GEAR END ON 16V.													
		@ MAY BE FINISHED TO STANDARD OR .010" UNDERSIZE.													
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST													
7C	5111424	WASHER (STD.)	4	4	4	4	4	4	8	8	4	4	4	4	4
7C	5194826	WASHER, (.005" O.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5194827	WASHER (.010" O.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	40	41	42	43	44	52	56	59	79	98	99	100
		1.7040 - BEARING, CAMSHAFT INTERMEDIATE													
		A BEARING SET CONSISTS OF ONE (1) UPPER AND ONE (1) LOWER BEARING.													
7C	**5196026**	BEARING SET (STD.)	4	6	10	4	6	10	12	12	6	10	10	10	6
7C	**5196029**	BEARING SET (.010" O.S. ON O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	**5196027**	BEARING SET (.010" U.S. ON I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	**5196028**	BEARING SET (.020" U.S. ON I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.7050 - RING, CAMSHAFT INTERMEDIATE BEARING LOCK													
7C	**5115572**	RING	8	12	20	8	12	20	24	24	12	20	20	20	12
7C	**5117649**	BOLT	4	6	10	4	6	10	12	12	6	10	6	10	6
		1.7060 - SEAL, CAMSHAFT OIL													
7C	**5106223**	SEAL, OIL (FRONT, LEFT BANK)	1	1	1	1	1	1			1	1	1	1	1
		1.7130 - PULLEY, FRONT BALANCE													
7C	**5117777**	PULLEY	1			1									
7C	**5138717**	PULLEY (5.38" GROOVE DIA.)		1			1				1				
7C	**5122259**	PULLEY			1			1				1			
7C	**5128540**	PULLEY (6.25" DIA., 2 GROOVES)											1		
7C	**5132669**	PULLEY (6.29" DIA., 2 GROOVES) (7.1505)												1	1
7C	**5145905**	PULLEY (6.29" GROOVE DIA.)													1
7C	**127559**	KEY, 1/4"X3/4" WOODRUFF (12.9350)	1	1	1	1	1	1			2	2	1	1	1
7C	**5177769**	LOCKWASHER, 1 1/8" INT. TOOTH (1.7140)	1	1	1	1	1	1			2	2	1	1	1
7C	**5150087**	NUT, 1 1/8"-18 HEX.	1	1	1	1	1	1			2	2	1	1	1
		1.7140 - WEIGHT, FRONT BALANCE													
7C	**5121873**	@ WEIGHT		1			1				1				1
7C	**5145732**	WEIGHT		1			1				1				1
7C	**5121874**	% WEIGHT			1			1						1	
7C	**9409035**	BOLT, 3/8"-24X1" HEX. HD. LOCK (12.9001)		2	2		2	2			2			2	2
		@ THRU 8VA-566. NOT SERVICED; FOR SERVICE USE (1) 5145732, (1) 5126904, (1) 5146254 AND (2) 9409035.													

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	40	41	42	43	44	52	56	59	79	98	99	100
		1.7140 - WEIGHT, FRONT BALANCE (CONT'D)													
		% THRU 12VA-457. NOT SERVICED; FOR SERVICE USE (1) 5126839 AND (1) 5146254.													
		@ THRU 8VA-566, NOT SERVICED USE 5145732 WEIGHT PLUS 5126904 CAM GEAR AND 5146254 PUMP GEAR AT (1) EACH AND (2) 9409035 BOLTS.													
		1.7190 - WEIGHT, REAR BALANCE													
	5199558	* WEIGHT (2 HOLES) (DRILLED)		2			2				2				2
7C	**5121971**	@ WEIGHT (2 HOLES) (TAPPED)		2			2				2				2
7C	**5145612**	# WEIGHT (2 HOLES) (DRILLED)		2			2				2				2
	5108876	# SCREW, 3/8"-24X1 1/2" FLAT HD.		4			4				4				4
	9409037	+ BOLT, 3/8"-24X1 1/4" LOCK (12.9001)		4			4				4				4
	5145092	BOLT, 3/8"-24X1.20" SELF LOCK (12.4037)		8			8				8				8
	5145091	* BOLT, 3/8"-24X1.38" (W/.56" THK. ACC. DRIVE DISC) (12.4037)		4			4				4				4
	9413980	# NUT, 3/8"-24 HEX. (1.6001)		4			4				4				4
		* USE FOR IN-FRAME CHANGE TO CROSSHEAD PISTON ON UNITS PRIOR TO 8VA-115016. NEW WATER PUMP DRIVE GEAR WEIGHTS AND FRONT BALANCE PULLEY MUST ALSO BE INCLUDED.													
		@ THRU 8VA-1202 NOT SERVICED; REPLACE WITH 5145612 WEIGHT AND INCLUDE (4) 5108876 SCREWS AND (4) 9413980 NUTS TO ASSURE INTERCHANGEABILITY.													
		# USE FOR SERVICE EFF. WITH 8VA-1203. FIRST PRODUCTION USAGE EFF. WITH 8VA-115016; MUST BE USED WITH CROSSHEAD PISTON.													
		+ THRU 8VA-1202.													
		1.7200 - GEAR, CAMSHAFT													
		DOES NOT INCLUDE WEIGHTS.													
7C	**5121815**	GEAR (R.H. HELIX) (RIGHT BANK) (REAR)	1	1		1	1				1				1
7C	**5121816**	GEAR (L.H. HELIX) (LEFT BANK) (REAR)	1	1		1	1				1				1
7C	**5126904**	* + GEAR (R. BANK) (FRONT) (66 TEETH)	1	1		1	1				1				1
	5104299	+ GEAR (R. BANK) (FRONT) (66 TEETH) (NITRIDED)		1			1				1				1
7C	**5117134**	GEAR (R.H. HELIX) (RIGHT BANK)(REAR)			1			1				1		1	
7C	**5117133**	GEAR (L.H. HELIX) (LEFT BANK) (REAR)			1			1				1	1	1	

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	40	41	42	43	44	52	56	59	79	98	99	100
		1.7200 - GEAR, CAMSHAFT (CONT'D)													
7C	**5126839** *	GEAR (RIGHT BANK) (FRONT) (66 TEETH)			1			1				1		1	
7C	**5104095**	GEAR (R.H. HELIX)							2	2					
7C	**5104169**	GEAR (L.H. HELIX)							2	2					
7C	**127559**	KEY, 1/4"X3/4" WOODRUFF (WATER PUMP DRIVE GEAR TO SHAFT) (12.9350)	1	1	1	1	1	1			1	1	1	1	1
7C	**5153914**	KEY, 1/4"X1" WOODRUFF (1.7140)	2	2	2	2	2	2	4	4	2	2	3	2	2
7D	**9412015** @	BOLT, 9/16"-18X2 1/2" (12.9001)				1	1								
7D	**5141367** @	WASHER, 19/32" I.D. X 1.68" O.D.				1	1								
7C	**5177769** #	LOCKWASHER, 1 1/8" (1.7140)	3	3							3	3	3	3	3
7C	**5177769** @	LOCKWASHER, 1 1/8" (1.7140)			2	2	2	2							
7C	**5150087** #	NUT, 1 1/8" HEX. (1.7140)	3	3					4	4	3		3	3	3
7C	**5150087** @	NUT, 1 1/8" HEX. (1.7140)			2	2	2	2				2			
		* EFF. WITH 8VA-115016; MUST BE USED WITH CROSSHEAD PISTON.													
		@ EFFECTIVE WITH 6VA-56594, 8VA-119824 IN TYPES 42 AND 43.													
		# THRU 8VA-56593, 8VA-119823 IN TYPES 42 AND 43.													
		+ 5104299 MUST BE USED INPLACE OF 5126904 WHEN 5104300 WATER PUMP GEAR IS USED ON 8V-71 ENGINES.													
		1.7202 - SPACER, CAMSHAFT GEAR													
7C	**5116485**	SPACER (.64" L.) (FRONT)	2	2	2	2	2	2			2	2	2	2	2
		1.7207 - RETAINER, CAMSHAFT GEAR NUT													
	5172734 @	RETAINER	1	1		1	1				1				1
7C	**5172734** #	RETAINER	2	2	2	2	2	2	2	2	2	2		2	2
	186627 @	BOLT, 3/8"-24X1" (12.9001)	4	4		4	4				4				4
7C	**186627** #	BOLT, 3/8"-24X1" (12.9001)	8	8	8	8	8	8	16	16	8	8	8	8	8
7C	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		@ EFFECTIVE WITH 6VA-56594, 8VA-119824 IN TYPES 42 AND 43.													
		# THRU 8VA-56593, 8VA-119823 IN TYPES 42 AND 43.													
		1.7220 - GEAR ASSY., IDLER													
		INCLUDES ITEMS IN 1.7222 THRU 1.7250 PLUS (3) EACH 5106559, 103341 IN 1.5001.													
8B	**5199384**	GEAR ASSY. (L.H. HELIX)	1	1	1				2		1	1	1	1	1
8B	**5199327**	GEAR ASSY. (R.H. HELIX)				1	1	1		1					

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	40	41	42	43	44	52	56	59	79	98	99	100
		1.7222 - GEAR, IDLER													
8B	**5113817**	GEAR (L.H. HELIX) (R.H. ENG. ROTATION)	1	1	1				2		1	1	1	1	1
8B	**5113818**	GEAR (R.H. HELIX) (L.H. ENG. ROTATION)				1	1	1		2					
		1.7225 - BEARING, IDLER GEAR													
		INCLUDES INNER AND OUTER BEARING SPACER AND CAP.													
8B	**7451948**	BEARING ASSY.	1	1	1	1	1	1	2	2	1	1	1	1	1
		1.7227 - RETAINER, IDLER GEAR BEARING													
8B	**5176998**	RETAINER	1	1	1	1	1	1	2	2	1	1	1	1	1
8B	**5103534**	BOLT, 5/16 -24X1/2 (VIBRA TITE)	6	6	6	6	6	6	12	12	6	6	6	6	6
		1.7250 - HUB ASSY., IDLER GEAR													
		INCLUDES DOWEL IN 1.7250.													
8B	**5117104** *	HUB ASSY.	1	1	1	1	1	1	2	2	1	1		1	1
8B	**5130135**	HUB ASSY.	1	1	1	1	1	1	2	2	1	1	1	1	1
	5151444	DOWEL	1	1	1	1	1	1	2	2	1	1	1	1	1
8B	**186689** @	BOLT, 1/2"-13X2" (12.9001)	1	1	1	1	1	1	2	2		1		1	1
8B	**454992**	BOLT, 1/2"-13X2 1/2" (12.9001)	1	1	1	1	1	1	2	2	1	1	1	1	1
	5167714	WASHER	1	1	1	1	1	1	2	2		1	1	1	1
	5131755	WASHER									1				
		* THRU 6VA-18723, 8VA-8985, 12VA-2770, 16VA-219, 24A-009. NOT SERVICED, REPLACE WITH 5130135 HUB AND 454992 BOLT.													
		@ WITH 5117104 HUB ASSY. OR 5117194 SPACER ASSY.													
		1.7260 - SPACER ASSY., IDLER GEAR HOLE													
		INCLUDES DOWEL IN 1.7260.													
8B	**5131719** *	SPACER ASSY.	1	1	1	1	1	1	2	2		1		1	1
	5151444	DOWEL (1.7250)	1	1	1	1	1	1	2	2	1	1		1	1
8B	**186689** @	BOLT, 1/2"-13X2" (12.9001)	1	1	1	1	1	1	2	2		1		1	1
8B	**5131378**	BOLT, 1/2"-13X2" (12.9001)									1				
8B	**454992**	BOLT, 1/2"-13X2 1/2" (12.9001)	1	1	1	1	1	1	2	2		1		1	1
	5167714	WASHER (1.7250)	1	1	1	1	1	1	2	2	1	1		1	1

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	40	41	42	43	44	52	56	59	79	98	99	100

1.7260 - SPACER ASSY., IDLER GEAR HOLE (CONT'D)

@ WITH 5117104 HUB ASSY. OR 5117194 SPACER ASSY.
* NOT SERVICED, USE 5101150 PLUS (3) 5106559.

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 101	103	135	148	180	222	232	233	369	370	371	395
		1.7001 - CAMSHAFT ASSY.												
		A CAMSHAFT ASSY. INCLUDES PLUG IN 1.7001.												
7C	**5117853**	CAMSHAFT ASSY. (RIGHT BANK, R.H. ENG.) (STAMPED 5117872) (8V)	1		1		1							
7C	**5117854**	CAMSHAFT ASSY. (LEFT BANK, R.H. ENG.) (STAMPED 5117871) (8V)	1		1		1							
7C	**5117849**	CAMSHAFT ASSY. (RIGHT BANK, R.H. ENG.) (STAMPED 5117874) (12V)		1				1	1	1			1	
7C	**5117850**	CAMSHAFT ASSY. (LEFT BANK, R.H. ENG.) (STAMPED 5117873) (12V)		1				1	1	1			1	
7C	**5146163**	CAMSHAFT ASSY. (RIGHT BANK, L.H. ENG.) (STAMPED 5145919) (6V)									1	1		
7C	**5103088**	CAMSHAFT ASSY. (LEFT BANK, R.H. ENG.) (STAMPED 5102594) (8V)												1
7C	**5146074**	CAMSHAFT ASSY. (RIGHT BANK, L.H. ENG.) (STAMPED 5139796) (8V)				1								
7C	**5103090**	CAMSHAFT ASSY. (RIGHT BANK, L.H. ENG.) (STAMPED 5102595) (8V)												1
7C	**5117860**	CAMSHAFT ASSY. (LEFT BANK, L.H. ENG.) (STAMPED 5117875) (6V)									1	1		
7C	**5117856**	CAMSHAFT ASSY. (LEFT BANK, L.H. ENG.) (STAMPED 5117877) (8V)				1								
	5151277	PLUG, 15/32" DIA. X 1/2" L. SPECIAL	4	4	4	3	4		4	4	4	4	4	4
		1.7010 - BEARING, CAMSHAFT END												
		INCLUDES BUSHING IN 1.7015.												
7C	**5111422**	* BEARING, REAR (STD.) (INCLUDES BUSHING)	2	2	2	2	2	2	2	2	2	2	2	2
7C	**5117984**	BEARING, FRONT (STD.)	2	2	2	2	2	2	2	2	2	2	2	2
7C	**5194858**	BEARING, REAR (.010" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	**5197569**	BEARING, FRONT (.010" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	**5197236**	BEARING, REAR (.010" O.S. O.D. WITH STANDARD I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	**5197237**	BEARING, REAR (.010" O.S., O.D. WITH .010" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	**5197238**	BEARING, REAR (.010" O.S., O.D. WITH .020" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	**5194859**	BEARING, REAR (.020" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	**5197613**	BEARING, FRONT (.020" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	**186622**	BOLT, 3/8"-16X1 1/4" (REAR) (12.9001)	6	6	6	6	6	9	6	6	6	6	6	6
7C	**9414268**	BOLT, 3/8"-16X1 1/2" (FRONT) (2.7001)	6	6	6	6	6	3	6	6	6	6	6	6
7C	**103321**	LOCKWASHER, 3/8" (12.9200)	12	12	12	12	12	12	12	12	12	12	12	12
		* TIMING GEAR END ON 16V.												
		1.7012 - GASKET, CAMSHAFT FRONT END BEARING												
7C	**5117243**	GASKET, 2.20" I.D.	1	1	1	1	1	1	1	1	1	1	1	1
		1.7015 - BUSHING, CAM AND BALANCE SHAFT END												
	5111423	* BUSHING (GROOVED)	8	8	8	4	4	4	4	4	8	8	4	8
	5194825	BUSHING (.020" U.S.) (UNFINISHED)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* TIMING GEAR END ON 16V.												

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 101	103	135	148	180	222	232	233	369	370	371	395
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST												
7C	5111424	WASHER (STD.)	4	4	4	4	4	4	4	4	4	4	4	4
7C	5194826	WASHER (.005" O.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5194827	WASHER (.010" O.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.7040 - BEARING, CAMSHAFT INTERMEDIATE												
		A BEARING SET CONSISTS OF ONE (1) UPPER AND ONE (1) LOWER BEARING.												
7C	5196026	BEARING SET (STD.)	4	10	4	6	6	10	10	10	4	4	10	6
7C	5196029	BEARING SET (.010" O.S. O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5196027	BEARING SET (.010" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5196028	BEARING SET (.020" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.7050 - RING, CAMSHAFT AND ACCESSORY SHAFT INTERMEDIATE BEARING LOCK												
7C	5115572	RING	8	20	8	12	12	20	20	20	8	8	20	12
7C	5117649	BOLT, 3/8"-24X.62"	4	10	4	6	6	10	10	10	4	4	10	6
		1.7060 - SEAL, CAMSHAFT OIL												
7C	5106223	SEAL, OIL 2.129" O.D. (FRONT, LEFT BANK)	1	1	1	1	1	1	1	1	1	1	1	1
		1.7130 - PULLEY, FRONT BALANCE												
7C	5138717	PULLEY (7.36" DIA., 2 GROOVES)					1							1
7C	5117777	PULLEY (7.36" DIA., 2 GROOVES)									1	1		
7C	5132669	PULLEY (6.29" DIA., 2 GROOVES) (7.1505)		1									1	
7C	5145905	PULLEY (7.36" DIA., 2 GROOVES) (7.1505)	1											
7C	5132667	PULLEY (7.36" DIA., 2 GROOVES) (7.1505)			1									
7C	5102246	PULLEY (6.25" DIA., 2 GROOVES) (7.1505)				1								
7C	5128540	PULLEY (7.36" DIA., 2 GROOVES)						1						
7C	5122259	PULLEY (5.38" DIA., 2 GROOVES)						1		1				
7C	8926247	KEY, 1/4"X3/4" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1	1	1	1
7C	5177769	LOCKWASHER, 1 1/8" INT. TOOTH (1.7140)	1	1	1	1	1	1	1	1	1	1	1	1
7C	5150087	NUT, 1 1/8"-18 (1.7140)	1	1	1	1	1	1	1	1	1	1	1	1
		1.7140 - WEIGHT, FRONT BALANCE												
7C	5145732	WEIGHT	1		1	1	1						1	
7C	9409035	BOLT, 3/8"-24X1" (12.9001)	2		2	2	2						2	

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 101	103	135	148	180	222	232	233	369	370	371	395
		1.7190 - WEIGHT, REAR BALANCE												
	5121971	* WEIGHT (2 HOLES) (TAPPED)	2		2	2	2							
	5145612	@ WEIGHT (2 HOLES) (DRILLED)	2		2	2	2							2
	5108876	@ SCREW, 3/8"-24X1 1/2"	4		4	4	4							4
	9413980	@ NUT, 3/8"-24 (12.9140)	4		4	4	4							4
		* THRU 8VA-1202 NOT SERVICED; REPLACE WITH 5145612 WEIGHT AND INCLUDE (4) 5108876 SCREWS AND (4) 9413980 NU TS TO ASSURE INTERCHANGEABILITY.												
		@ USE FOR SERVICE EFF. WITH 8VA-1203. FIRST PRODUCTION USAGE EFF. WITH 8VA-115016; MUST BE USED WITH CROSSH EAD PISTON.												
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT												
		DOES NOT INCLUDE WEIGHTS.												
7C,8A	**5121815**	GEAR (R.H. HELIX) (RIGHT BANK) (REAR)	1		1	1	1				1	1		1
7C,8A	**5121816**	GEAR (L.H. HELIX) (LEFT BANK) (REAR)	1		1	1	1				1	1		1
7C,8A	**5126904**	* # GEAR (R. BANK) (FRONT) (66 TEETH)	1		1	1	1				1	1		1
7C,8A	**5104299**	# GEAR (R. BANK) (FRONT) (66 TEETH) (NITREDED).					1							1
7C,8A	**5117134**	GEAR (R.H. HELIX) (RIGHT BANK) (REAR)		1				1	1	1			1	
7C,8A	**5117133**	GEAR (L.H. HELIX) (LEFT BANK) (REAR)		1				1	1	1			1	
7C,8A	**5126839**	* GEAR (RIGHT BANK) (FRONT) (66 TEETH)		1									1	
7C,8A	**5106333**	GEAR (WATER PUMP DRIVE)						1	1	1				
	5106334	HUB (WATER PUMP DRIVE GEAR)						1	1	1				
	5106417	DAMPER ASSY. (WATER PUMP DRIVE GEAR)						1	1	1				
7C	**8926247**	KEY, 1/4"X3/4" WOODRUFF (WATER PUMP DRIVE GEAR TO SHAFT) (12.9350)	1	1	1	1	1	1	1	1	1	1	1	1
7C	**5153914**	KEY, 1/4"X1" WOODRUFF (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2
	5131464	BOLT, 5/16"-24X3/4" (2.8754)						3	3	3				
	5125464	BOLT, 3/8"-24 X 1" (3.4105)						3	3	3				
	9412015	BOLT, 9/16"-18X2 1/2" (12.9001)				1					1	1		
7C	**5177769**	LOCKWASHER, 1 1/8" (1.7140)	3	3	3	3	3	3	3	3	3	3	3	3
7C,8A	**5150087**	NUT, 1 1/8"-18 (1.7140)	3	3	3	3	3	3	3	3	3	3	3	3
		* EFF. WITH 8VA-115016; MUST BE USED WITH CROSSHEAD PISTON.												
		# 5104299 MUST BE USED IN PLACE OF 5126904 WHEN 5104300 WATER PUMP GEAR IS USED ON 8V ENGINES.												
		1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR												
7C	**5116485**	SPACER (.64" L.) (FRONT)	2	2	2	2	2	2	2	2	2	2	2	2

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 101	103	135	148	180	222	232	233	369	370	371	395
		1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT												
7C,8A	**5172734**	RETAINER	2	2	2	1	2	2	2	2	2	2	2	2
7C,8A	**186627**	BOLT, 3/8"-24X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
7C	**103321**	LOCKWASHER, 3/8" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8
	5141367	WASHER, 19/32" I.D.X1.68" O.D. (1.7200)				1								
		1.7220 - GEAR ASSY., IDLER												
		INCLUDES ITEMS IN 1.7222 THRU 1.7250 AND FLYWHEEL HOUSING ATTACHING PARTS.												
	5199383	GEAR ASSY. (L.H. HELIX)	1	1	1		1	1	1	1	1	1	1	1
	5199326	GEAR ASSY. (R.H. HELIX)				1								
		1.7222 - GEAR, IDLER												
8A,B	**5113817**	GEAR (L.H. HELIX) (R.H. ENG. ROTATION)	1	1	1		1	1	1	1			1	1
8A,B	**5113818**	GEAR (R.H. HELIX) (L.H. ENG. ROTATION)				1					1	1		
		1.7225 - BEARING, IDLER GEAR												
		INCLUDES INNER AND OUTER BEARING SPACER AND CAP.												
8A,B	**7451948**	BEARING ASSY.		1		1	1	1	1	1	1	1	1	1
		1.7227 - RETAINER, IDLER GEAR BEARING												
8A,B	**5176998**	RETAINER	1	1	1	1	1	1	1	1	1	1	1	1
8A,B	**5103534**	BOLT, 5/16"-24X1/2"	6	6	6	6	6	6	6	6	6	6	6	6
		1.7250 - HUB, IDLER GEAR												
		INCLUDES DOWEL IN 1.7250.												
8A,B	**5117104**	* HUB ASSY.		1										
8A,B	**5130135**	HUB ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
	5151444	DOWEL, 21/64" I.D. X .3925" O.D. X 9/16" L.	1	1	1	1	1	1	1	1	1	1	1	1
8A	**186689**	@ BOLT, 1/2"-13X2" (12.9001)		1										
8A	**454992**	BOLT, 1/2"-13X2 1/2" (12.9001)	1	1		1	1	1	1	1	1	1	1	1

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 101	103	135	148	180	222	232	233	369	370	371	395
		1.7250 - HUB, IDLER GEAR (CONT'D)												
	5167714	WASHER, 17/32"X7/8"X3/32"	1	1	1	1	1	1	1		1	1	1	1
	5131755	WASHER, 17/32"X.88"								1				
		* THRU 6VA"*&©, *VA-8985, 12VA-2770, 16VA-219, 24A-009. NOT SERVICED, REPLACE WITH 5130135 HUB, 454992 BOL T AND 5167714 WASHER.												
		@ WITH 5130135 HUB ASSY. AND INCLUDE (1) 454992 AND (1) 5167714.												
		1.7260 - SPACER, IDLER GEAR HOLE												
8A	**5101150**	SPACER	1	1	1	1		1			1	1	1	1
	5151444	+ DOWEL, 21/64" I.D. X .3925" O.D. X 9/16" L. (1.7250)	1	1	1	1		1			1	1	1	
8A	**186689**	@ BOLT, 1/2"-13X2" (12.9001)		1										
8A	**454992**	BOLT, 1/2"-13X2 1/2" (12.9001)	1	1	1	1	1		1		1	1	1	1
	5167714	WASHER, 17/32"X7/8"X3/32" (1.7250)	1	1	1	1	1		1		1	1	1	1
		@ WITH 5130135 HUB ASSY. AND INCLUDE (1) 454992 AND (1) 5167714.												
		+ USED WITH FORMER SPACER ASSY. 5131719 ON EARLY ENGINES.												

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 402	409	417	421	422	423	424	425	428	429	430	435	453
		1.7001 - CAMSHAFT ASSY.													
		A CAMSHAFT ASSY. INCLUDES PLUG IN 1.7001.													
7C	5126018	CAMSHAFT ASSY. (RIGHT BANK, REAR FOR R.H. ENG.) (LEFT BANK, FRONT FOR L.H. ENG.) (16V)	1				1	1							
7C	5126017	CAMSHAFT ASSY. (LEFT BANK, REAR FOR R.H. ENG.) (RIGHT BANK, FRONT FOR L.H. ENG.) (16V)	1				1	1							
7C	5126020	CAMSHAFT ASSY. (RIGHT BANK, FRONT FOR R.H. ENG.) (LEFT BANK, REAR FOR L.H. ENG.) (16V)	1				1	1							
7C	5126019	CAMSHAFT ASSY. (LEFT BANK, FRONT FOR R.H. ENG.) (RIGHT BANK, REAR FOR L.H. ENG.) (STAMPED 51260 28) (16V)	1				1	1							
7C	5117852	CAMSHAFT ASSY. (LEFT BANK) (L.H. ENG.) (STAMPED 5117879) (12V)		1											
7C	5117851	CAMSHAFT ASSY. (RIGHT BANK) (L.H. ENG.) (STAMPED 5117880) (12V)		1											
7C	5117853	CAMSHAFT ASSY. (RIGHT BANK FOR R.H. ENG.) (STAMPED 5117872) (8V)			1	1			1	1	1		1		
7C	5117854	CAMSHAFT ASSY. (LEFT BANK FOR R.H. ENG.) (STAMPED 5117871) (8V)			1	1			1	1	1		1		
7C	5117849	CAMSHAFT ASSY. (RIGHT BANK, R.H. ENG.) (STAMPED 5117874) (12V)										1			
7C	5117850	CAMSHAFT ASSY. (LEFT BANK, R.H. ENG.) (STAMPED 5117873) (12V)										1			
7C	5117857	CAMSHAFT ASSY. (RIGHT BANK, R.H. ENG.) (STAMPED 5117870) (6V)												1	
7C	5117858	CAMSHAFT ASSY. (LEFT BANK, R.H. ENG.) (STAMPED 5117869) (6V)												1	
7C	5107313	CAMSHAFT ASSY. (RIGHT BANK, R.H. ENG.) (STAMPED 5107229)													1
7C	5107314	CAMSHAFT ASSY. (LEFT BANK, R.H. ENG.) (STAMPED 5107227)													1
	5151277	PLUG, 15/32" DIA. X 1/2" L. SPECIAL	8	4	4	4	8	8	4	4	4	4	4	4	4
		1.7010 - BEARING, CAMSHAFT END													
		INCLUDES BUSHING IN 1.7015.													
7C	5111422	* BEARING, REAR (STD.) (INCLUDES BUSHING)	4	2	2	2	4	4	2	2	2	2	2	2	2
7C	5117984	BEARING, FRONT (STD.)		2	2	2			2	2	2	2	2	2	2
7C	5194858	BEARING, REAR (.010" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5197569	BEARING, FRONT (.010" U.S. I.D.)		AR	AR	AR			AR	AR	AR	AR	AR	AR	AR
7C	5197236	BEARING, REAR (.010" O.S. O.D. WITH STANDARD I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5197237	BEARING, REAR (.010" O.S. O.D. WITH .010" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5197238	BEARING, REAR (.010" O.S. O.D. WITH .020" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5194859	BEARING, REAR (.020" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5197613	BEARING, FRONT (.020" U.S. I.D.)		AR	AR	AR			AR	AR	AR	AR	AR	AR	AR
7C	186622	BOLT, 3/8"-16X1 1/4" (REAR) (12.9001)	12	6	6	6	12	12	6	6	6	6	6	6	6
7C	9414268	BOLT, 3/8"-16X1 1/2" (FRONT) (12.9005)		6	6	6			6	6	6	6	6		
	103321	LOCKWASHER, 3/8" (12.9200)	12	12	12	12	12	12	12	12	12	12	12	6	6
		* TIMING GEAR END ON 16V.													

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 402	409	417	421	422	423	424	425	428	429	430	435	453
		1.7012 - GASKET, CAMSHAFT FRONT END BEARING													
7C	**5117243**	GASKET, 2.20" I.D.		1	1	1			1	1	1	1	1	1	1

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 402	409	417	421	422	423	424	425	428	429	430	435	453
		1.7015 - BUSHING, CAM AND BALANCE SHAFT END													
	5111423	* BUSHING (GROOVED)	8	8	8	8	8	8	8	8	8	8	8	8	6
	5194825	BUSHING (.020" U.S.) (UNFINISHED)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* TIMING GEAR END ON 16V.													
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST													
7C	5111424	WASHER (STD.)	8	4	4	4	8	8	4	4	4	4	4	4	4
7C	5194826	WASHER (.005" O.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5194827	WASHER (.010" O.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.7040 - BEARING, CAMSHAFT INTERMEDIATE													
		A BEARING SET CONSISTS OF ONE (1) UPPER AND ONE (1) LOWER BEARING.													
7C	5196026	BEARING SET (STD.)	12	10	6	6	12	12	6	6	6	10	6	4	4
7C	5196029	BEARING SET (.010" O.S. O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5196027	BEARING SET (.010" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5196028	BEARING SET (.020" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.7050 - RING, CAMSHAFT AND ACCY. SHAFT INTERMEDIATE BEARING LOCK													
7C	5115572	RING	24	20	12	12	24	24	12	12	12	20	12	8	8
7C	5117649	BOLT, 3/8"-24X.62"	12	10		6	12	12	6	6	6	10	6		
7C	8927479	BOLT, 3/8"-24X.62"			6									4	4
		1.7060 - SEAL, CAMSHAFT OIL													
7C	5106223	SEAL, 2.129" O.D. OIL (FRONT, LEFT BANK)		1	1	1			1	1	1	1	1	1	1
		1.7130 - PULLEY, FRONT BALANCE													
7C	5122259	PULLEY (5.38" DIA., 2 GROOVES)		1								1			
7C	5138717	PULLEY (7.36" DIA., 2 GROOVES)			1	1			1	1	1		1		
7C	5117777	PULLEY (7.36" DIA., 2 GROOVES)												1	
7C	5148002	PULLEY (6.25" DIA., 2 GROOVES)													1
7C	8926247	KEY, 1/4"X3/4" WOODRUFF (12.9350)		1	1	1			1	1	1	1	1	1	1
7C	5177769	LOCKWASHER, 1 1/8" INT. TOOTH (1.7140)		1	1	1			1	1	1	1	1	1	1
7C	5150087	NUT, 1 1/8"-18 (1.7140)		1	1	1			1	1	1	1	1	1	1
		1.7140 - WEIGHT, FRONT BALANCE													
7C	5145732	WEIGHT			1	1			1	1	1		1		
7C	9409035	BOLT, 3/8"-24X1" (12.9001)			2	2			2	2	2		2		

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 402	409	417	421	422	423	424	425	428	429	430	435	453
		1.7190 - WEIGHT, REAR BALANCE													
7C	**5145612**	@ WEIGHT (2 HOLES) (DRILLED)			2	2			2	2	2		2		
	5108876	@ SCREW, 3/8"-24X1 1/2"			4	4			4	4	4		4		
	9413980	@ NUT, 3/8"-24 (12.9140)			4	4			4	4	4		4		
		@ USE FOR SERVICE EFF. WITH 8VA-1203. FIRST PRODUCTION USAGE EFF. WITH 8VA-115016; MUST BE USED WITH CROSSH EAD PISTON.													
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT													
		DOES NOT INCLUDE WEIGHTS.													
7C,8A	**5117134**	GEAR (R.H. HELEX) (RIGHT BANK) (REAR)		1								1			
7C,8A	**5117133**	GEAR (L.H. HELEX) (LEFT BANK) (REAR)		1								1			
7C,8A	**5126839**	* GEAR (RIGHT BANK) (FRONT)		1								1			
7C,8A	**5147817**	GEAR (L.H. HELIX) (LEFT BANK-FRONT/REAR)	2				2	2							
7C,8A	**5147300**	GEAR (R.H. HELIX) (RIGHT BANK-FRONT/REAR)	2				2	2							
7C,8A	**5121815**	GEAR (R.H. HELIX) (RIGHT BANK) (REAR)			1	1			1	1	1		1	1	1
7C,8A	**5121816**	GEAR (L.H. HELIX) (LEFT BANK) (REAR)			1	1			1	1	1		1	1	1
7C,8A	**5104299**	# GEAR (R. BANK) (FRONT) (66 TEETH) (NITREDED)			1	1			1	1	1		1	1	1
7C,8A	**5126904**	GEAR (R.H. HELIX) (R. BANK) (FRONT)												1	1
7C	**8926247**	KEY, 1/4"X3/4" WOODRUFF (12.9350)			3									3	3
7C	**5153914**	KEY, 1/4"X1" WOODRUFF (1.7140)	4	2		2	4	4	2	2	2	2	2		
7C	**5177769**	LOCKWASHER, 1 1/8" INT. TOOTH (1.7140)			1									1	1
7C,8A	**5150087**	NUT, 1 1/8"-18 (1.7140)	4	2	3	2	4	4	2	2	2	2	2	3	3
		* EFF. WITH 8VA-115016-MUST BE USED WITH CROSSHEAD PISTON.													
		# 5104299 MUST BE USED IN PLACE OF 5126904 WHEN 5104300 WATER PUMP GEAR IS USED ON 8V ENGINES.													
		1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR													
7C	**5116485**	SPACER (.64"L) (FRONT)		2	2	2			2	2	2	2	2	2	2

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 402	409	417	421	422	423	424	425	428	429	430	435	453
		1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT													
7C,8A	**5172734**	RETAINER	4	2	2	2	4	4	2	2	2	2	2	2	2
7C,8A	**186627**	BOLT, 3/8"-24X1" (12.9001)	16	8	8	8	16	16	8	8	8	8	8	8	8
7C,8A	**103321**	LOCKWASHER, 3/8" (12.9200)	8	8	8	8	16	16	8	8	8	8	8	8	8
		1.7220 - GEAR ASSY., IDLER													
		INCLUDES ITEMS IN 1.7222 THRU 1.7250 AND FLYWHEEL HOUSING ATTACHING PARTS.													
	5199383	GEAR ASSY. (L.H. HELIX)	2		1	1	2	2	1	1	1	1	1	1	1
	5199326	GEAR ASSY. (R.H. HELIX)		1											
		1.7222 - GEAR, IDLER													
8A,B	**5113817**	GEAR (L.H. HELIX) (R.H. ENG. ROTATION)	2		1	1	2	2	1	1	1	1	1	1	1
8A,B	**5113818**	GEAR (R.H. HELIX) (L.H. ENG. ROTATION)		1											
		1.7225 - BEARING, IDLER GEAR													
		INCLUDES INNER AND OUTER BEARING SPACER AND CAP.													
8A,B	**7451948**	BEARING ASSY.	2	1	1	1	2	2	1	1	1	1	1	1	1
		1.7227 - RETAINER, IDLER GEAR BEARING													
8A,B	**5176998**	RETAINER	2	1	1	1	2	2	1	1	1	1	1	1	1
8A,B	**5103534**	BOLT, 5/16"-24X1/2"	12	6	6	6	12	12	6	6	6	6	6	6	6
		1.7250 - HUB, IDLER GEAR													
		INCLUDES DOWEL IN 1.7250.													
8A,B	**5130135**	HUB, ASSY.	2	1	1	1	2	2	1	1	1	1	1	1	1
	5151444	DOWEL, 21/64" I.D. X .3925" O.D. X 9/16" L.	2	1	1	1	2	2	1	1	1	1	1	1	1
8A	**454992**	BOLT, 1/2"-13X2 1/2" (12.9001)	2	1	1	1	2	2	1	1	1	1	1	1	1
	5167714	WASHER, 17/32"X7/8"X3/32"	2	1	1	1	2	2	1	1	1	1	1	1	1

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1.7000 CAMSHAFT AND GEAR TRAIN

1.7260 - SPACER, IDLER GEAR HOLE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 402	409	417	421	422	423	424	425	428	429	430	435	453
8A	**5101150**	SPACER	2	1			2	2		1	1	1	1	1	1
8A	**454992**	BOLT, 1/2"-13X2 1/2" (12.9001)	2	1			2	2		1	1	1	1	1	1
	5167714	WASHER, 17/32"X7/8"X3/32" (1.7250)	2	1			2	2		1	1	1	1	1	1

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4555	4611	4998	5006	5112	5255	5266	5422	5477	5944	5955	6177
	1.7001	**- CAMSHAFT ASSY.**												
		A CAMSHAFT ASSY. INCLUDES PLUG IN 1.7001.												
7C	**5117857**	CAMSHAFT ASSY. (RIGHT BANK, R.H. ENG.) (STAMPED 5117870) 6V	1										1	
7C	**5117858**	CAMSHAFT ASSY. (LEFT BANK, R.H. ENG.) (STAMPED 5117869) 6V	1										1	
7C	**5117851**	CAMSHAFT ASSY. (RIGHT BANK) (L.H. ENG.) (STAMPED 5117880) 12V		1										
7C	**5117852**	CAMSHAFT ASSY. (LEFT BANK) (L.H. ENG.) (STAMPED 5117879) 12V		1										
7C	**5117849**	CAMSHAFT ASSY. (RIGHT BANK, R.H. ENG.) (STAMPED 5117874) 12V			1	1	1	1	1	1				
7C	**5117850**	CAMSHAFT ASSY. (LEFT BANK, R.H. ENG.) (STAMPED 5117873) 12V			1	1	1	1	1	1				
7C	**5126019**	CAMSHAFT ASSY. (LEFT BANK, FRONT FOR R.H. ENG.) (RIGHT BANK, REAR FOR L.H. ENG.) (STAMPED 51260 28) 16V									1			
7C	**5126020**	CAMSHAFT ASSY. (RIGHT BANK, FRONT FOR R.H. ENG.) (LEFT BANK, REAR FOR L.H. ENG.) (STAMPED 51260 29) 16V									1			
7C	**5126017**	CAMSHAFT ASSY. (LEFT BANK, REAR FOR R.H. ENG.) (RIGHT BANK, FRONT FOR L.H. ENG.) (STAMPED 51260 26) 16V									1			
7C	**5126018**	CAMSHAFT ASSY. (RIGHT BANK, REAR FOR R.H. ENG.) (LEFT BANK, FRONT FOR L.H. ENG.) (STAMPED 51260 27) 16V									1			
7C	**5107316**	CAMSHAFT ASSY. (RIGHT BANK, L.H. ENG.) (STAMPED 5107225) 6V										1		
7C	**5107315**	CAMSHAFT ASSY. (LEFT BANK, L.H. ENG.) (STAMPED 5107226) 6V										1		
	8927245	CAMSHAFT ASSY. (LEFT BANK, FRONT FOR R.H. ENG.) (RIGHT BANK, REAR FOR L.H. ENG.) (STAMPED 8927070) 16V												1
	8927244	CAMSHAFT ASSY. (RIGHT BANK, FRONT FOR R.H. ENG.) (LEFT BANK, REAR FOR L.H. ENG.) (STAMPED 8927071) 16V												1
	8927247	CAMSHAFT ASSY. (LEFT BANK, REAR FOR R.H. ENG. (RIGHT BANK, FRONT FOR L.H. ENG.) (STAMPED 8927068) 16V												1
	8927246	CAMSHAFT ASSY. (RIGHT BANK, REAR FOR R.H. ENG.) (LEFT BANK, FRONT FOR L.H. ENG.) (STAMPED 8927069) 16V												1
	5151277	PLUG, 15/32" DIA.X1/2" L. SPECIAL	4	4	4	4	4	4	4	4	8	4	4	8
	1.7010	**- BEARING, CAMSHAFT END**												
		INCLUDES BUSHING IN 1.7015.												
7C	**5111422**	* BEARING, REAR (STD.) (INCLUDES BUSHING)	2	2	2	2	2	2	2	2	4	2	2	4
7C	**5117984**	BEARING, FRONT (STD.)	2	2	2	2	2	2	2	2		2	2	
7C	**5194858**	BEARING, REAR (.010" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	**5197569**	BEARING, FRONT (.010" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR	

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 455	461	498	506	512	525	526	542	547	594	595	617
		1.7010 - BEARING, CAMSHAFT END (CONT'D)												
7C	5197236	BEARING, REAR (.010" O.S. O.D. WITH STANDARD I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5197237	BEARING, REAR (.010" O.S. O.D. WITH .010" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5197238	BEARING, REAR (.010" O.S. O.D. WITH .020" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5194859	BEARING, REAR (.020" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5197613	BEARING, FRONT (.020" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR	
7C	186622	BOLT, 3/8"-16X1 1/4" (REAR) (12.9001)	6	6	6	6	6	6	6	6	12	6	6	12
7C	9414268	BOLT, 3/8"-16X1 1/2" (FRONT) (2.7001)	6	6	6	6	6	6	6	6		6	6	
7C	103321	LOCKWASHER, 3/8" (12.9200)	12	12	12	12	12	12	12	12	12	12	12	12
		* TIMING GEAR END ON 16V.												
		1.7012 - GASKET, CAMSHAFT FRONT END BEARING												
7C	5117243	GASKET, 2.20" I.D.	1	1	1	1	1	1	1	1		1	1	
		1.7015 - BUSHING, CAM AND BALANCE SHAFT END												
	5111423	* BUSHING (GROOVED)	8	8	8	8	8	8	8	8	8	8	8	8
	5194825	BUSHING (.020" U.S.) (UNFINISHED)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* TIMING GEAR END ON 16V.												
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST												
7C	5111424	WASHER (STD.)	4	4	4	4	4	4	4	4	8	4	4	8
7C	5194826	WASHER (.005" O.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5194827	WASHER (.010" O.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.7040 - BEARING, CAMSHAFT INTERMEDIATE												
		A BEARING SET CONSISTS OF ONE (1) UPPER AND ONE (1) LOWER BEARING.												
7C	5196026	BEARING SET (STD.)	4	10	10	10	10	10	10	10	12	4	4	12
7C	5196029	BEARING SET (.010" O.S. O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5196027	BEARING SET (.010" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
7C	5196028	BEARING SET (.020" U.S. I.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.7050 - RING, CAMSHAFT AND ACCY. SHAFT INTERMEDIATE BEARING LOCK												
7C	5115572	RING	8	20	20	20	20	20	20	20	24	8	8	24
7C	5117649	BOLT, 3/8"-24X.62"			10	10	10	10	10					
7C	8927479	BOLT, 3/8"-24X.62"	4	10						10	12	4	4	12
		1.7060 - SEAL, CAMSHAFT OIL												
7C	5106223	SEAL, OIL 2.129" O.D. (FRONT, LEFT BANK)	1	1	1	1	1	1	1	1		1	1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 455	461	498	506	512	525	526	542	547	594	595	617
		1.7130 - PULLEY, FRONT BALANCE												
7C	**5132667**	PULLEY (7.36" DIA., 2 GROOVES)	1											
7C	**5132669**	PULLEY (6.29" DIA., 2 GROOVES) (7.1505)		1	1				1					
7C	**5122259**	PULLEY (5.38" DIA., 2 GROOVES)				1	1	1		1				
7C	**5148002**	PULLEY (6.25" DIA., 2 GROOVES)										1		
7C	**5117777**	PULLEY (5.38" DIA., 2 GROOVES)											1	
7C	**8926247**	KEY, 1/4"X3/4" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1		1		
7C	**5177769**	LOCKWASHER, 1 1/8" INT. TOOTH (1.7140)	1	1	1	1	1	1	1	1		1	1	
7C	**5150087**	NUT, 1 1/8"-18 (1.7140)	1	1	1	1	1	1	1	1			1	
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT												
		DOES NOT INCLUDE WEIGHTS.												
7C,8A	**5121815**	GEAR (R.H. HELIX) (RIGHT BANK) (REAR)	1									1	1	
7C,8A	**5121816**	GEAR (L.H. HELIX) (LEFT BANK) (REAR)	1									1	1	
7C,8A	**5126904**	GEAR (R.H. HELIX) (R. BANK) (FRONT)	1									1	1	
7C,8A	**5117134**	GEAR (R.H. HELIX) (RIGHT BANK) (REAR)		1	1	1	1	1	1	1				
7C,8A	**5117133**	GEAR (L.H. HELIX) (LEFT BANK) (REAR)		1	1	1	1	1	1	1				
7C,8A	**5126839**	* GEAR (R.H. HELIX) (RIGHT BANK) (FRONT)		1	1	1	1	1	1	1				
7C,8A	**5147300**	GEAR (R.H. HELIX) (RIGHT BANK) (FRONT & REAR)									2			2
7C,8A	**5147817**	GEAR (L.H. HELIX) (LEFT BANK) (FRONT & REAR)									2			2
7C	**8926247**	KEY, 1/4"X3/4" WOODRUFF (12.9350)	3	3	3	3	3	3	3	3	4	3	3	4
	9412015	BOLT, 9/16"-18X2 1/2" (12.9001)										1		
	5141367	WASHER, 19/32"										1		
7C,8A	**5150087**	NUT, 1 1/8"-18 (1.7140)	3	3	3	3	3	3	3	3	4	2	3	4
		* EFF. WITH 8VA-115016-MUST BE USED WITH CROSSHEAD PISTON.												
		1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR												
7C	**5116485**	SPACER (.64" L.) (FRONT)	2	2	2	2	2	2	2	2		2	2	
		1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT												
7C,8A	**5172734**	RETAINER	2	2	2	2	2	2	2	2	4	1	2	4
7C,8A	**186627**	BOLT, 3/8"-24X1" (12.9001)	8	8	8	8	8	8	8	8	16	4	8	16
7C	**103321**	LOCKWASHER, 3/8" (12.9200)	8	8	8	8	8	8	8	8	16	4	8	16
		1.7220 - GEAR ASSY., IDLER												
		INCLUDES ITEMS IN 1.7222 THRU 1.7250 AND FLYWHEEL HOUSING ATTACHING PARTS.												
	5199383	GEAR ASSY. (L.H. HELIX)	1		1	1	1	1	1	1			1	2
	5199326	GEAR ASSY. (R.H. HELIX)		1							2	1		

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 455	461	498	506	512	525	526	542	547	594	595	617
		1.7222 - GEAR, IDLER												
8A,B	**5113817**	GEAR (L.H. HELIX) (R.H. ENG. ROTATION)	1		1	1	1	1	1	1			1	2
8A,B	**5113818**	GEAR (R.H. HELIX) (L.H. ENG. ROTATION)		1							2	1		
		1.7225 - BEARING, IDLER GEAR												
		INCLUDES INNER AND OUTER BEARING SPACER AND CAP.												
8A,B	**7451948**	BEARING ASSY.	1	1	1	1	1	1	1	1	2	1	1	2
		1.7227 - RETAINER, IDLER GEAR BEARING												
8A,B	**5176998**	RETAINER	1	1	1	1	1	1	1	1	2	1	1	2
8A,B	**5103534**	BOLT, 5/16"-24X1/2"	6	6	6	6	6	6	6	6	12	6	6	12
		1.7250 - HUB, IDLER GEAR												
		INCLUDES DOWEL IN 1.7250.												
8A,B	**5130135**	HUB ASSY.	1	1	1	1	1	1	1	1	2	1	1	2
	5151444	DOWEL, 21/64" I.D. X .3925" O.D. X 9/16" L.	1	1	1	1	1	1	1	1	2	1	1	2
8A	**454992**	BOLT, 1/2"-13X2 1/2" (12.9001)	1	1	1	1	1	1	1	1	2	1	1	2
	5167714	WASHER, 17/32"X7/8"X3/32"	1	1	1	1	1		1	1	2	1	1	2
	5131755	WASHER, 17/32"X.88"						1						
		1.7260 - SPACER, IDLER GEAR HOLE												
8A	**5101150**	SPACER	1	1	1	1	1		1	1	2	1	1	2
8A	**454992**	BOLT, 1/2"-13X2 1/2" (12.9001)	1	1	1	1	1		1	1	2	1	1	2
	5167714	WASHER, 17/32"X7/8"X3/32" (1.7250)	1	1	1	1	1		1	1	2	1	1	2

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 619	620	627	630
	1.7001	**- CAMSHAFT ASSY.**				
		• FOR TYPE 624 USE TYPE 620.▪ • FOR TYPE 628 USE TYPE 627.▪ • FOR TYPE 631 USE TYPE 627.▪ A CAMSHAFT ASSY. INCLUDES PLUG IN 1.7001.				
7C	**5117853**	CAMSHAFT ASSY. (RIGHT BANK R.H. ENG.) (STAMPED 5117872) 8V	1			
7C	**5117854**	CAMSHAFT ASSY. (LEFT BANK R.H. ENG.) (STAMPED 5117871) 8V	1			
7C	**5146074**	CAMSHAFT ASSY. (RIGHT BANK L.H. ENG.) (STAMPED 5139796) 8V		1		
7C	**5117856**	CAMSHAFT ASSY. (LEFT BANK L.H. ENG.) (STAMPED 5117877) 8V		1		
7C	**5126018**	CAMSHAFT ASSY. (RIGHT BANK, REAR FOR R.H. ENG.) (LEFT BANK FRONT FOR L.H. ENG.) (STAMPED 512602 7) 16V			1	
7C	**5126017**	CAMSHAFT ASSY. (LEFT BANK, REAR FOR R.H. ENG.) (RIGHT BANK FRONT FOR L.H. ENG.) (STAMPED 512602 6) 16V			1	
7C	**5126020**	CAMSHAFT ASSY. (RIGHT BANK, FRONT FOR R.H. ENG.) (LEFT BANK REAR FOR L.H. ENG.) (STAMPED 512602 9) 16V			1	
7C	**5126019**	CAMSHAFT ASSY. (LEFT BANK, FRONT FOR R.H. ENG.) (RIGHT BANK REAR FOR L.H. ENG.) (STAMPED 512602 8) 16V			1	
	5107308	CAMSHAFT ASSY. (LEFT BANK, FRONT FOR R.H. ENG.) (RIGHT BANK REAR FOR L.H. ENG.) (STAMPED 5107244) 16V				1
	5107309	CAMSHAFT ASSY. (RIGHT BANK, FRONT FOR R.H. ENG.) (LEFT BANK, REAR FOR L.H. ENG.) (STAMPED 5107242) 16V				1
	5107306	CAMSHAFT ASSY. (LEFT BANK, REAR FOR R.H. ENG.) (RIGHT BANK, FRONT FOR L.H. ENG.) (STAMPED 5107241) 16V				1
	5107307	CAMSHAFT ASSY. (RIGHT BANK, REAR FOR R.H. ENG.) (LEFT BANK, FRONT FOR L.H. ENG.) (STAMPED 5107243) 16V				1
	5151277	PLUG, 15/32" DIA.X1/2" L. SPECIAL	4	3	8	8
	1.7010	**- BEARING, CAMSHAFT END**				
		INCLUDES BUSHING IN 1.7015.				
7C	**5111422**	* *BEARING, REAR (STD.) (INCLUDES* BUSHING)	2	2	4	4
7C	**5117984**	BEARING, FRONT (STD.)	2	2		
7C	**5194858**	BEARING, REAR (.010" U.S. I.D.)	AR	AR	AR	AR
7C	**5197569**	BEARING, FRONT (.010" U.S. I.D.)	AR	AR		
7C	**5197236**	BEARING, REAR (.010" O.S. O.D. WITH STANDARD I.D.)	AR	AR	AR	AR
7C	**5197237**	BEARING, REAR (.010" O.S. O.D. WITH .010" U.S. I.D.)	AR	AR	AR	AR
7C	**5197238**	BEARING, REAR (.010" O.S. O.D. WITH .020" U.S. I.D.)	AR	AR	AR	AR

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6190	6620	6270	6300
		1.7010 - BEARING, CAMSHAFT END (CONT'D)				
7C	**5194859**	BEARING, REAR (.020" U.S. I.D.)	AR	AR	AR	AR
7C	**5197613**	BEARING, FRONT (.020" U.S. I.D.)	AR	AR		
7C	**186622**	BOLT, 3/8"-16X1 1/4" (REAR) (12.9001)	6	6	12	12
7C	**9414268**	BOLT, 3/8"-16X1 1/2" (FRONT) (2.7001)	6	6		
7C	**103321**	LOCKWASHER, 3/8" (12.9200)	12	12	12	12
		* TIMING GEAR END ON 16V.				
		1.7012 - GASKET, CAMSHAFT FRONT END BEARING				
7C	**5117243**	GASKET, 2.20" I.D.	1	1		
		1.7015 - BUSHING, CAM AND BALANCE SHAFT END				
	5111423	* BUSHING (GROOVED)	8	8	8	8
	5194825	BUSHING (.020" U.S.) (UNFINISHED)	AR	AR	AR	AR
		* TIMING GEAR END ON 16V.				
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST				
7C	**5111424**	WASHER (STD.)	4	4	8	8
7C	**5194826**	WASHER (.005" O.S.)	AR	AR	AR	AR
7C	**5194827**	WASHER (.010" O.S.)	AR	AR	AR	AR
		1.7040 - BEARING, CAMSHAFT INTERMEDIATE				
		A BEARING SET CONSISTS OF ONE (1) UPPER AND ONE (1) LOWER BEARING.				
7C	**5196026**	BEARING SET (STD.)	6	6	12	12
7C	**5196029**	BEARING SET (.010" O.S. O.D.)	AR	AR	AR	AR
7C	**5196027**	BEARING SET (.010" U.S. I.D.)	AR	AR	AR	AR
7C	**5196028**	BEARING SET (.020" U.S. I.D.)	AR	AR	AR	AR
		1.7050 - RING, CAMSHAFT AND ACCY. SHAFT INTERMEDIATE BEARING LOCK				
7C	**5115572**	RING	12	12	24	24
7C	**8927479**	BOLT, 3/8"-24X.62"	6	6	12	12
		1.7060 - SEAL, CAMSHAFT OIL				
7C	**5106223**	SEAL, OIL 2.129" O.D. (FRONT, LEFT BANK)	1	1		
		1.7130 - PULLEY, FRONT BALANCE				
7C	**5138717**	PULLEY (5.38" DIA., 2 GROOVES)	1	1		
7C	**8926247**	KEY, 1/4"X3/4" WOODRUFF (12.9350)	1	1		
7C	**5177769**	LOCKWASHER, 1 1/8" INT. TOOTH (1.7140)	1	1		
7C	**5150087**	NUT, 1 1/8"-18 (1.7140)	1	1		

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 619	620	627	630
		1.7140 - WEIGHT, FRONT BALANCE				
7C	**5145732**	WEIGHT	1	1		
	9409035	BOLT, 3/8"-24X1"	2	2		
		1.7190 - WEIGHT, REAR BALANCE				
	5145612	WEIGHT	2	2		
	5108876	SCREW, 3/8"-24X1 1/2"	4	4		
	9413980	NUT, 3/8"-24 LOCK	4	4		
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT				
		DOES NOT INCLUDE WEIGHTS.				
7C,8A	**5121815**	GEAR (R.H. HELIX) (RIGHT BANK) (REAR)	1	1		
7C,8A	**5121816**	GEAR (L.H. HELIX) (LEFT BANK) (REAR)	1	1		
7C,8A	**5104299**	GEAR (R. BANK) (FRONT) (66 TEETH-NITRIDED)	1	1		
7C,8A	**5147300**	GEAR (R.H. HELIX) (RIGHT BANK) (FRONT & REAR)			2	2
7C,8A	**5147817**	GEAR (L.H. HELIX) (LEFT BANK) (FRONT & REAR)			2	2
7C	**8926247**	KEY, 1/4"X3/4" WOODRUFF (12.9350)	3	3	4	4
	9412015	BOLT, 9/16"-18X2 1/2" (12.9001)		1		
	5141367	WASHER, 19/32"		1		
	5177769	WASHER, 1 1/8" (1.7140)		1		
7C,8A	**5150087**	NUT, 1 1/8"-18 (1.7140)	3	2	4	4
		1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR				
7C	**5116485**	SPACER (.64" L.) (FRONT)	2	2		
		1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT				
7C,8A	**5172734**	RETAINER	2	1	4	4
7C,8A	**186627**	BOLT, 3/8"-24X1" (12.9001)	8	4	16	16
7C	**103321**	LOCKWASHER, 3/8" (12.9200)	8	4	16	16
		1.7220 - GEAR ASSY., IDLER				
		INCLUDES ITEMS IN 1.7222 THRU 1.7250.				
	5199383	GEAR ASSY. (L.H. HELIX)	1		2	2
	5199326	GEAR ASSY. (R.H. HELIX)		1		
		1.7222 - GEAR, IDLER				
8A,B	**5113817**	GEAR (L.H. HELIX) (R.H. ENG. ROTATION)	1		2	2
8A,B	**5113818**	GEAR (R.H. HELIX) (L.H. ENG. ROTATION)		1		
		1.7225 - BEARING, IDLER GEAR				
8A,B	**7451948**	BEARING ASSY.	1	1	2	2

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6190	6207	6300
		1.7227 - RETAINER, IDLER GEAR BEARING			
8A,B	**5176998**	RETAINER	1	2	2
8A,B	**5103534**	BOLT, 5/16"-24X1/2"	6	12	12
		1.7250 - HUB, IDLER GEAR			
		INCLUDES DOWEL IN 1.7250.			
8A,B	**5130135**	HUB ASSY.	1	2	2
	5151444	DOWEL, 21/64" I.D. X .3925" O.D. X 9/16" L.	1	2	2
8A	**454992**	BOLT, 1/2"-13X2 1/2" (12.9001)	1	2	2
	5167714	WASHER, 17/32"X7/8"X3/32"	1	2	2
		1.7260 - SPACER, IDLER GEAR HOLE			
8A	**5101150**	SPACER	1	2	2
8A	**454992**	BOLT, 1/2"-13X2 1/2" (12.9001)	1	2	2
	5167714	WASHER, 17/32"X7/8"X3/32" (1.7250)	1	2	2

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1.7000A BALANCE WEIGHT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 18	19	20	24	27	28	44
		1.7470 - COVER, BALANCE WEIGHT							
		A COVER ASSEMBLY INCLUDES DOWEL PINS IN 1.7470.							
9A,B	**5132425**	# COVER ASSY.					1		
9A,B	**5141661**	COVER ASSY.	1	1	1				1
9A,B	**5109739**	COVER ASSY.				1			
9A,B	**5132087**	# COVER ASSY.						1	
9B	**141236**	PIN, 3/8"X1/2" DOWEL (12.9290)	3	3	3	3	3	3	3
	5145014	PLUG, 3/8" HEX. SKT. HD. (12.9550)				1			
9A,B	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)				1			
9A,B	**179848**	BOLT, 3/8"-16X2 1/4" (12.9001)	2	2	2	2	2	2	2
	181370	BOLT, 3/8"-24 X 1 1/4" (12.9001)							1
9A,B	**181371**	BOLT, 3/8"-24X1 3/8" (12.9001)	6	6	6	6	6	6	5
9A,B	**179888**	BOLT, 1/2"-13X1 7/8" (12.9001)	1	1	1	1	1	1	1
9A,B	**442734**	BOLT, 1/2"-13X4" (12.9001)				1			1
9A,B	**271564**	BOLT, 5/8"-11X2 1/2" (12.9001)	2	2	2	2	2	2	2
	103341	WASHER, 3/8" FLAT (12.9190)	8	8	8	8	8	8	8
	103343	WASHER, 1/2" FLAT (12.9190)	1	1	1	1	1	1	2
	103345	WASHER, 5/8" FLAT (12.9190)	2	2	2	2	2	2	2
9B	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR
9B	**103323**	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 HEX. (12.9120)	4	4	4	4	5	5	3
	9413533	NUT JAM, 3/8"-24 (12.9120)							1
		# NOT SERVICED; FOR SERVICE USE 5141661 AND INCLUDE 1-5122680 COVER, 1-5123123 GASKET AND 2-9419648 SCREW, 1-5145024 FAN SUPPORT.							
		1.7480 - GASKET, BALANCE WEIGHT COVER							
9B	**5117905**	* GASKET	1	1	1				
9B	**5123638**	@ GASKET	1	1	1		1	1	1
9B	**5109663**	GASKET				1			
		* THRU 6VA-639, 8VA-325, 12VA-210.							
		@ EFFECTIVE WITH 6VA-640, 8VA-326, 12VA-210.							
		1.7490 - COVER, ACCESSORY DRIVE HOLE							
	5122680	COVER (4.1290)		1	1		1		1
	9419648	SCREW, 5/16"-18X3/4", SELF-TAP, HEX. HD. (12.9066)		2	2		2		2
		1.7500 - GASKET, ACCESSORY DRIVE HOLE COVER							
	5123123	GASKET (7.4455)		1			1		1

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	3	9	23	29	35	36	39	40	43	45	46
		1.7600 - DRIVE ASSY., ACCESSORY												
		INCLUDES ITEMS IN 1.7610, 1.7640, 1.7645, 1.7650, 1.7652 AND 1.7655.												
	5133747	DRIVE ASSY.											1	
	5127675	+ DRIVE ASSY.											1	
	5128362	ADAPTOR ASSY.												1
	5128641	STUD, 3/8"-16-24X1 1/2"												6
10D	**179839**	BOLT, 3/8"-16X1" (12.9001)											2	
10D	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)												2
10D	**9430221**	BOLT, 3/8"-24X4 3/4" (12.9001)											3	4
		+ NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE DRIVE ASSY. 5133747. FOR CONVERSION TO DOUBLE ROW BEARING DRIVE ASSY. USE KIT 5198175 IN 1.7602.												
		1.7602 - KIT, ACCESSORY DRIVE SEAL												
		A KIT CONSISTS OF ITEMS IN 1.7655, 1.7660 AND 1.7665.												
	5198175	KIT, ACCESSORY DRIVE SEAL											1	
		1.7604 - GASKET, ACCESSORY DRIVE												
10A	**5117061**	GASKET (1.5040)			1						1			
10B	**5117116**	GASKET (3.4360)						1		1				
10D	**5122227**	GASKET (1.5060)											1	1
		1.7605 - PULLEY, ACCESSORY DRIVE												
10C	**5122267**	PULLEY (5" DIA., 1 GROOVE)										1		
10C	**5164291**	PULLEY (5 1/2" DIA., 1 GROOVE)	1											
10A	**5168696**	PULLEY (5 1/2" DIA., 2 GROOVE)			1						1			
10C	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)										1		
10A	**124548**	KEY, 5/32"X3/4" WOODRUFF (12.9350)	1											
10A	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)	1								1			
10C	**179838**	BOLT, 3/8"-16X7/8" (12.9001)										1		
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	1											
10C	**5150230**	WASHER, 3/8" (3.4120)										1		
	5132987	WASHER, 29/64"X1 1/2"X.320" THK.	1											
10C	**103321**	LOCKWASHER, 3/8" (12.9200)										1		
	103322	LOCKWASHER, 7/16" (12.9200)	1											
10A,D	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9140)	1								1		1	

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	3	9	23	29	35	36	39	40	43	45	46
		1.7610 - HUB, DRIVE PULLEY												
	5164286	HUB	1											
10D	**5143234**	HUB											1	
	5176474	BOLT, 3/8"-24X1 1/8" (1.7630)	4											
		1.7615 - RETAINER, DRIVE PULLEY HUB OIL SEAL												
	5102565	RETAINER ASSY. (INCLUDES SEAL)	1											
	179858	BOLT, 7/16"-14X1" (12.9001)	1											
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4											
	5150568	WASHER, 7/16" COPPER (2.4050)	1											
	103322	LOCKWASHER, 7/16" (12.9200)	1											
	103323	LOCKWASHER, 1/2" (12.9200)	4											
		1.7620 - SEAL, ACCESSORY DRIVE OIL												
10C	**5177786**	SEAL (2.8810)										1		1
	5102456	SEAL	1											
		1.7630 - PLATE ASSY., ACCESSORY DRIVE												
		A GEAR ASSY. INCLUDES BUSHING IN 1.7632.												
10A	**5131627**	* PLATE (METAL) (21 TEETH)		1	1		1							
10A	**5153449**	# PLATE (23 TEETH)		1	1		1							
10A	**5170450**	PLATE (METAL)				1					1			
10B	**5123091**	GEAR ASSY. (R.H. HELIX)						1		1				
10A	**5177026**	SPACER		1	1		1							
10A	**5176474**	BOLT, 1 1/8" L		4	4		4							
10A	**5145091**	BOLT, 3/8"-24X1.38" SELF LOCK (12.4037)				4					4			
	5150568	WASHER, 7/16" COPPER (2.4050)									1			
	103321	LOCKWASHER, 3/8" (12.9200)					4							
10B	**5117720**	LOCKWASHER, 1 15/32" (3.4340)						1		1				
10B	**5117727**	NUT, 1 7/16" HEX. (3.4330)						1		1				
		* EFF. WITH 6VA-26942, 8VA-20436, 12VA-5673, 16VA-1186.												
		# THRU 6VA-26941, 8VA-20435, 12VA-5672, 16VA-1185. NOT SERVICED, USE 1-5131627 PLATE AND INCLUDE 1-5143616 COUPLING TO ASSURE INTERCHANGEABILITY.												
		1.7632 - BUSHING, ACCESSORY DRIVE GEAR												
	5120501	BUSHING (3.4355)						2		2				

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	3	9	23	29	35	36	39	40	43	45	46
		1.7635 - COUPLING, ACCESSORY DRIVE												
	5143616	+ COUPLING (21 EXTERNAL TEETH) (12.5010)		1		1	1							
	3292429	& COUPLING (23 EXTERNAL TEETH)		1		1	1							
10D	**5139545**	COUPLING											1	1
		+ EFF. WITH 12VA-5673, 16VA-1186.												
		& THRU 12VA-5672, 16VA-1185. NOT SERVICED, USE 5143616 COUPLING.												
		1.7640 - SHAFT, ACCESSORY DRIVE												
10A	**5168697**	= SHAFT			1									
10C	**5117920**	SHAFT (HUB)							1			1		
10A	**5122876**	SHAFT									1			
10D	**5143233**	SHAFT											1	
10D	**124543**	KEY, 1/8"X1/2" WOODRUFF (12.9350)											2	
	5128364	HUB ASSY.												1
	9428477	PLUG, CUP (15/16") (2.7340)												1
10C	**181596**	BOLT, 5/16"-24X7/8" (12.9001)							3			3		
10C	**103320**	LOCKWASHER, 5/16" (12.9200)							3			3		
		= NOT SERVICED; USE 5122876 AND 1-5131627 PLATE.												
		1.7643 - HUB, ACCESSORY DRIVE GEAR												
10B	**5123082**	HUB (LEFT BANK, PLAIN I.D.)						1						
10B	**181374**	BOLT, 3/8"-24X1 1/2" (12.9001)						3						
10B	**103321**	LOCKWASHER, 3/8" (12.9200)						3						
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE												
10A	**5123116**	+ # RETAINER ASSY.			1						1			
	5133683	RETAINER											1	
	5127674	* RETAINER											1	
10B	**8920683**	SUPPORT ASSY.						1		1				
	9428477	PLUG, 15/16"						1		1				
	274889	PIN, 1/8"X1/4" SPRING (12.9270)						1		1				
10B	**5106909**	PIN, 3/16"X1/4" DOWEL (12.9290)						2		2				
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)						3						
10A	**179858**	BOLT, 7/16"-14X1" (12.9001)			1						1			
10A	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)			4						4			
10B	**5152148**	WASHER, 3/8" COPPER (2.4050)						2		2				
	103321	LOCKWASHER, 3/8" (12.9200)						4						
10A	**103322**	LOCKWASHER, 7/16" (12.9200)			1						1			
10A	**103323**	LOCKWASHER, 1/2" (12.9200)			4						4			
		# INCLUDES ITEMS IN 1.7650, 1.7655 AND 1.7660.												

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	3	9	23	29	35	36	39	40	43	45	46
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE (CONT'D)												
		* NOT SERVICED, REPLACE WITH 5133747 DRIVE ASSY.												
		+ NOT SERVICED, USE 5131130 SHAFT, 1-5131402 RETAINER ASSY.												
		1.7646 - GASKET, ACCESSORY DRIVE RETAINER												
	5117061	GASKET (1.5040)			1						1			
		1.7647 - TUBE, ACCESSORY DRIVE OIL SUPPLY												
10B	**5145243**	TUBE ASSY. (DEV. L. 6.24")						1		1				
	143342	ELBOW, 1/4" INV. FL. TUBE 90 DEG.						1		1				
10B	**225815**	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)						1		1				
	5164312	TEE (4.3001)						1		1				
	5167220	TEE, 1/4" INV. FL. TUBE (7.8300)						1		1				
	187322	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						1						
	5145009	PLUG, 1/8" PIPE (12.9550)						1		1				
	137405	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)						1		1				
		1.7650 - LOCKRING, ACCESSORY DRIVE												
10A	**5155783**	RING, LOCK			1						1			
10D	**274621**	RING, LOCK (7.1545)									1			
		1.7652 - SPACER, ACCESSORY DRIVE BEARING												
10D	**5109129**	* SPACER											1	
		* NOT SERVICED, USE KIT 5198175 IN 1.7602.												
		1.7655 - BEARING, ACCESSORY DRIVE												
10A	**954469**	+ BEARING (N.D. 4605L1A)			1						1			
10B	**5117700**	BEARING (THRUST) (3.4302)						2		2				
10D	**907187**	BEARING (N.D. 99604X1C) (2.8830)											2	
	908002	@ BEARING (N.D. 5304) (5.4332)											1	
10D	**907185**	BEARING (N.D. Z-9506-L11A)												2
10B	**5117704**	WASHER, (THRUST) (3.4320)						1		1				

@ PART OF ACCESSORY DRIVE

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	3	9	23	29	35	36	39	40	43	45	46
		1.7655 - BEARING, ACCESSORY DRIVE (CONT'D)												
		SEAL KIT IN 1.7602.												
		+ OBSOLETE.												
		1.7660 - SEAL, ACCESSORY DRIVE OIL												
10A	**5131329**	SEAL			1						1			
	5138710	@ SEAL (3.4160)											1	
	5198174	@ SLEEVE											1	
		@ PART OF ACCESSORY DRIVE SEAL KIT IN 1.7602.												
		1.7665 - SPACER, ACCESSORY DRIVE OIL SEAL												
	5133682	@ SPACER											1	
		@ PART OF ACCESSORY DRIVE SEAL KIT IN 1.7602.												

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 47	53	55	59	62	64	66	68	69	70	71	73
		1.7604 - GASKET, ACCESSORY DRIVE												
10A	**5117061**	GASKET (1.5040)	1		1	1	1	1	1	1		1	1	
		1.7605 - PULLEY, ACCESSORY DRIVE												
	NPN	PULLEY (CUSTOMER FURNISHED)				1								
10A	**5130019**	PULLEY (5" DIA., 1 GROOVE) (7.1505)											1	
10A	**5133091**	PULLEY (5" DIA., 2 GROOVE) (7.1505)												1
10A	**5100268**	PULLEY (5 1/4" DIA., 2 GROOVE) (7.1505)									1			
10A	**5109666**	PULLEY (5 3/8" DIA., 2 GROOVE) (SD-97)	1	1										
10A	**5168696**	PULLEY (5 1/2" DIA., 2 GROOVE)						1	1					
10A	**5131726**	PULLEY (6 1/4" DIA., 2 GROOVE)					1							
10C	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)												1
10A	**124548**	KEY, 5/32"X3/4" WOODRUFF (12.9350)									1			
10A	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1			1	1	1				1	
10C	**179838**	BOLT, 3/8"-16X7/8" (12.9001)												1
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)									1			
10C	**5150230**	WASHER, 3/8" (3.4120)												1
	5132987	WASHER, 29/64"X1 1/2"X.320" THK.									1			
10C	**103321**	LOCKWASHER, 3/8" (12.9200)												1
	103322	LOCKWASHER, 7/16" (12.9200)									1			
10A,D	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9140)		1		1	1	1	1	1			1	
		1.7610 - HUB, DRIVE PULLEY												
	5164286	HUB									1			
	5176474	BOLT, 3/8"-24X1 1/8" (1.7630)									4			
		1.7615 - RETAINER, DRIVE PULLEY HUB OIL SEAL												
	5102565	RETAINER ASSY. (INCLUDES SEAL)									1			
	179858	BOLT, 7/16"-14X1" (12.9001)									1			
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)									4			
	5150568	WASHER, 7/16" COPPER (2.4050)									1			
	103322	LOCKWASHER, 7/16" (12.9200)									1			
	103323	LOCKWASHER, 1/2" (12.9200)									4			
		1.7620 - SEAL, ACCESSORY DRIVE OIL												
	5155445	SEAL									1			
		1.7630 - PLATE ASSY., ACCESSORY DRIVE												
		A GEAR ASSY. INCLUDES BUSHING IN 1.7632.												
10A	**5131627**	* PLATE (METAL) (21 TEETH)				1		1		1			1	

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 47	53	55	59	62	64	66	68	69	70	71	73
		1.7630 - PLATE ASSY., ACCESSORY DRIVE (CONT'D)												
10A	**5153449**	# PLATE (23 TEETH)				1		1		1			1	
10A	**5170450**	PLATE (METAL)	1	1	1		1		1			1	1	
10A	**5177026**	SPACER				1		1		1			1	
10A	**5176474**	BOLT, 1 1/8" L.				4		4		4			4	
10A	**5145091**	BOLT, 3/8"-24X1.38" SELF LOCK (12.4037)	4	4	4		4		4			4	4	
		* EFF. WITH 12VA-5673, 16VA-1186.												
		# THRU 6VA-26941, 8VA-20435, 12VA-5672, 16VA-1185. NOT SERVICED, USE 1-5131627 PLATE AND INCLUDE 1-5143616 COUPLING TO ASSURE INTERCHANGEABILITY.												
		1.7635 - COUPLING, ACCESSORY DRIVE												
	5143616	* COUPLING (21 EXTERNAL TEETH) (12.5010)											1	
	3292429	& COUPLING (23 EXTERNAL TEETH)											1	
	5158358	# SPACER (5.4170)								1				
		* EFF. WITH 12VA-5673, 16VA-1186.												
		& THRU 12VA-5672, 16VA-1185. NOT SERVICED, USE 5143616 COUPLING												
		# NOT SERVICED, USE 5168564 AND CUT TO 1 1/8" LONG.												
		1.7640 - SHAFT, ACCESSORY DRIVE												
10A	**5168697**	* SHAFT				1								
10C	**5117920**	SHAFT (HUB)												1
10A	**5122876**	SHAFT	1	1										
10A	**5131130**	SHAFT					1	1	1	1		1	1	
10C	**181596**	BOLT, 5/16"-24X7/8" (12.9001)												3
10C	**103320**	LOCKWASHER, 5/16" (12.9200)												3
		* NOT SERVICED; USE 5122876 AND 1-5131627 PLATE.												
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE												
		INCLUDES ITEMS IN 1.7650, 1.7655 AND 1.7660.												
10A	**5123116**	RETAINER ASSY.	1	1		1								
10A	**5131402**	RETAINER ASSY.					1	1	1	1		1	1	
10A	**179858**	BOLT, 7/16"-14X1" (12.9001)	1	1	1	1	1	1	1	1		1		
10A	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)	4	4	4	4	4	4	4	4		4	4	
	5150568	WASHER, 7/16" COPPER (2.4050)					1		1					

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 47	53	55	59	62	64	66	68	69	70	71	73
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE (CONT'D)												
10A	**103322**	LOCKWASHER, 7/16" (12.9200)	1	1	1	1	1	1	1	1		1		
10A	**103323**	LOCKWASHER, 1/2" (12.9200)	4	4	4	4	4	4	4	4		4	4	
		1.7646 - GASKET, ACCESSORY DRIVE RETAINER												
	5117061	GASKET (1.5040)	1	1		1	1	1	1	1		1	1	
		1.7650 - LOCKRING, ACCESSORY DRIVE												
10A	**5155783**	RING, LOCK	1	1		1								
10A	**9415285**	RING, LOCK (2.7470)					1	1	1	1		1	1	
		1.7655 - BEARING, ACCESSORY DRIVE												
10A	**954469**	+ BEARING (N.D. 4605L1A)	1	1		1								
10A	**907191**	BEARING (N.D. 5206W)					1	1	1	1		1	1	
		+ OBSOLETE.												
		1.7660 - SEAL, ACCESSORY DRIVE OIL												
10A	**5131329**	SEAL	1	1	1	1	1	1	1	1		1	1	
		1.7665 - SPACER, ACCESSORY DRIVE OIL SEAL												
	5131131	SPACER (1.3665)					1	1	1	1		1	1	

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 74	75	77	78	80	83	84	85	86	89	90	91
		1.7600 - DRIVE ASSY., ACCESSORY												
		INCLUDES ITEMS IN 1.7610, 1.7640, 1.7645, 1.7650, 1.7655, 1.7660 AND 1.7665. REDUCTION DRIVE ASSY. INCLUDES ITEMS IN 1.7600, 1.7627, 1.7635, 1.7640, 1.7642, 1.7652, 1.7655 AND 1.7656.												
	5133747	DRIVE ASSY.						1	1			1	1	1
10D	**179839**	BOLT, 3/8"-16X1" (12.9001)						2	2			2	2	2
10D	**9430221**	BOLT, 3/8"-24X4 3/4" (12.9001)						4	4			3	3	4
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)											1	
	5131478 *	BOLT, 3/8"-24X6" (12.4010)										1		
10D	**103321** *	LOCKWASHER, 3/8" (12.9200)						AR	AR			1	AR	AR
	117049 *	NUT, 3/8"-24 HEX. (12.9120)										1		
		* REQUIRED WHEN AIR COMPRESSOR MOUNTING BRACKET IS USED.												
		1.7604 - GASKET, ACCESSORY DRIVE												
10B	**5117116**	GASKET (3.4360)						1						
10D	**5122227**	GASKET (1.5060)							1			1	1	1
		1.7605 - PULLEY, ACCESSORY DRIVE												
10A	**5130019**	PULLEY (5" DIA., 1 GROOVE) (7.1505)		1										
10C	**5133615**	PULLEY (5" DIA., 2 GROOVE) (12.4017)									1			
10C	**5127230**	PULLEY (5 1/4" DIA., 2 GROOVE)	1							1				
10A	**5134266**	PULLEY (5 13/16" DIA., 2 GROOVE) (7.1505)						1						
10C	**5133377**	PULLEY (6.25" DIA., 2 GROOVE) (7.1505)										1	1	
10C	**5133092**	PULLEY (6.88" DIA., 2 GROOVE) (7.1505)				1								
10C	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1							1				
10A	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1		1					1			
10C	**124543**	KEY, 1/8"X1/2" WOODRUFF (12.9350)						1	1			1	1	
10C	**179838**	BOLT, 3/8"-16X7/8" (12.9001)	1											
10C	**5150230**	WASHER, 3/8" (3.4120)	1							1				
10C	**103321**	LOCKWASHER, 3/8" (12.9200)	1							1				
10A	**272906**	NUT, 3/4"-16 HEX. (12.9120)		1		1		1	1		1	1	1	
		1.7610 - HUB, DRIVE PULLEY												
10D	**5143234**	HUB						1	1			1	1	1

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 74	75	77	78	80	83	84	85	86	89	90	91
		1.7620 - SEAL, ACCESSORY DRIVE OIL												
10C	**5177786**	SEAL (2.8810)	1							1				
		1.7630 - PLATE ASSY., ACCESSORY DRIVE												
		A GEAR ASSY. INCLUDES BUSHING IN 1.7632.												
10B	**5122918**	GEAR ASSY. (L. H. HELIX) (3.4300)							1					
10B	**5123091**	GEAR ASSY. (R. H. HELIX)						1						
10A	**5170450**	PLATE	1	1	1	1					1			
10A	**5145091**	BOLT, 3/8"-24X1.38" SELF LOCK (12.5015)	4	4	4	4					4			
10B	**5117720**	LOCKWASHER, 1 15/32" (3.4330)						1	1					
10B	**5117727**	NUT, 1 7/16" HEX. (3.4340)						1	1					
		1.7632 - BUSHING, ACCESSORY DRIVE GEAR												
	5120501	BUSHING (3.4355)						2	2					
		1.7635 - COUPLING, ACCESSORY DRIVE												
10D	**5139545**	COUPLING							1	1		1	1	1
10D	**5145282**	COUPLING (9.1553)										1		
		1.7640 - SHAFT, ACCESSORY DRIVE												
10C	**5117920**	SHAFT (HUB)	1				1			1				
10A	**5131130**	SHAFT		1	1						1			
10A	**5122876**	SHAFT				1								
10D	**5143233**	SHAFT						1	1			1	1	1
10D	**124543**	KEY, 1/8"X1/2" WOODRUFF (12.9350)						2	2			2	2	2
10C	**181596**	BOLT, 5/16"-24X7/8" (12.9001)	3				3			3				
10C	**103320**	LOCKWASHER, 5/16" (12.9200)	3				3			3				
10C	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9120)						1	1			1	1	1
		1.7643 - HUB, ACCESSORY DRIVE GEAR												
10D	**5123082**	HUB (LEFT BANK) (1.7635)						1						
10B	**181374**	BOLT, 3/8"-24X1 1/2" (12.9001)						3						
10B	**103321**	LOCKWASHER, 3/8" (12.9200)						3						
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE												
		INCLUDES ITEMS IN 1.7650, 1.7655 AND 1.7660.												
10A	**5131402**	RETAINER ASSY.		1	1						1			

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 74	75	77	78	80	83	84	85	86	89	90	91
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE (CONT'D)												
10A	**5123116**	+ RETAINER ASSY.				1								
10A	**5133683**	RETAINER						1	1			1	1	1
10B	**8920683**	SUPPORT ASSY.						1						
10B	**5131824**	* SUPPORT ASSY. (3.4350)							1					
	9428477	PLUG, 15/16"						1						
	274889	PIN, 1/8"X1/4" SPRING (12.9270)						1	1					
	5106909	PIN, 3/16"X1/4" DOWEL (12.9290)						2	2					
10B	**181361**	BOLT, 3/8"-24X7/8" (12.9001)						2						
10A	**179858**	BOLT, 7/16"-14X1" (12.9001)		1	1	1					1			
10A	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)		4	4	4					4			
	5152148	WASHER, 3/8" COPPER (12.9190)						2						
	5150568	WASHER, 7/16" COPPER (12.9190)		1	1	1					1			
	103321	LOCKWASHER, 3/8" (12.9200)						4						
10A	**103322**	LOCKWASHER, 7/16" (12.9200)		1	1	1					1			
10A	**103323**	LOCKWASHER, 1/2" (12.9200)		4	4	4					4			
		* NOT SERVICED; USE 8920681 AND INCLUDE (1) 186317 BOLT AND (1) 117049 NUT.												
		+ NOT SERVICED; USE 5131130 SHAFT, 1-5131402 RETAINER ASSY.												
		1.7646 - GASKET, ACCESSORY DRIVE RETAINER												
	5117061	GASKET (1.5040)		1	1	1								
		1.7647 - TUBE, ACCESSORY DRIVE OIL SUPPLY												
10B	**5117728**	* TUBE ASSY. (DEV. L. 6.74")						1						
10B	**9432245**	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)						1						
	5145009	PLUG, 1/8" PIPE (12.9550)						1						
		* NOT SERVICED, USE 5145243 AND INCLUDE (1) 137405 CONNECTOR, (1) 143342 ELBOW AND (1) 5167220 TEE.												
		1.7650 - LOCKRING, ACCESSORY DRIVE												
10A	**9415285**	RING, LOCK (2.7470)		1	1						1			
10A	**5155783**	RING, LOCK				1								
10D	**274621**	RING, LOCK (7.1545)						1	1			1	1	1
		1.7655 - BEARING, ACCESSORY DRIVE												
10A	**907191**	BEARING		1	1						1			
10A	**954469**	+ BEARING				1								
10A	**908002**	* BEARING						1	1			1	1	1

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 74	75	77	78	80	83	84	85	86	89	90	91
		1.7655 - BEARING, ACCESSORY DRIVE (CONT'D)												
10B	**5117700**	BEARING (THRUST) (3.4302)						2	2					
10B	**5117704**	WASHER, (THRUST) (3.4320)						1	1					
		* PART OF ACCESSORY DRIVE SEAL KIT IN 1.7602.												
		+ OBSOLETE.												
		1.7660 - SEAL, ACCESSORY DRIVE OIL												
10A	**5131329**	* SEAL		1	1	1					1			
	5138710	* SEAL						1	1			1	1	1
		* PART OF ACCESSORY DRIVE SEAL KIT IN 1.7602.												
		1.7665 - SPACER, ACCESSORY DRIVE OIL SEAL												
	5131131	SPACER (1.3665)		1	1						1			
	5133682	SPACER						1	1			1	1	1

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 92	96	100	102	105	108	125	126	130	135	136	137	139
		1.7600 - DRIVE ASSY., ACCESSORY													
		▪ FOR TYPE 127 USE TYPE 334 ▪ INCLUDES ITEMS IN 1.7610, 1.7640, 1.7645, 1.7650, 1.7655, 1.7660 AND 1.7665. REDUCTION DRIVE ASSY. INCLUDES ITEMS IN 1.7600, 1.7627, 1.7635, 1.7640, 1.7642, 1.7652, 1.7655 AND 1.7656.													
	5133747	DRIVE ASSY.		1	1	1	1				1				
	5141217	DRIVE ASSY. (1.3280)							1						
	5131554	DRIVE ASSY. (REDUCTION)											1		
	117982	KEY, 3/8"X1 1/4" WOODRUFF (12.9350)							2						
	5145047	INSULATOR (1.3280)							1						
	5135151	CONE (1.3295)							2						
10D	179839	BOLT, 3/8"-16X1" (12.9001)		2	2	2	2				2				
10D	119092	BOLT, 3/8"-24X4 3/4" (12.9001)		3	3	4	4				3				
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)			1						1				
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		3	3						3		1		
	5153623	BOLT, 1"-14X2 1/4" (1.3290)							1						
	5150568	WASHER, 7/16" FLAT COPPER (2.4050)											1		
	5157930	WASHER, 2 3/8" O.D. (1.3290)							1						
10D	103321	LOCKWASHER, 3/8" (12.9200)				AR					AR				
	103323	LOCKWASHER, 1/2" (12.9200)											AR		
	117049	* NUT, 3/8"-24 HEX. (12.9120)			1						1				
		* REQUIRED WHEN AIR COMPRESSOR MOUNTING BRACKET IS USED.													
		1.7604 - GASKET, ACCESSORY DRIVE													
10B	5117116	GASKET (3.4360)										1			
10D	5122227	GASKET (1.5060)				1					1				
		1.7605 - PULLEY, ACCESSORY DRIVE													
10C	5134827	PULLEY (4.66" DIA., 2 GROOVE) (7.1505)			1			1							
10A	5130019	PULLEY (5" DIA., 1 GROOVE) (7.1505)									1				
10A	5103301	PULLEY (5.52" DIA., 2 GROOVE) (7.1505)								1					
10C	5177236	PULLEY (6.25" DIA., 2 GROOVE) (12.4017)	1												
10C	5133377	PULLEY (6.25" DIA., 2 GROOVE) (7.1505)				1									
10A	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)	1							1	1				
10C	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)			1	1	1								
10A	272906	NUT, 3/4"-16 HEX. (12.9120)	1		1	1				1	1				

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 92	96	100	102	105	108	125	126	130	135	136	137	139
		1.7610 - HUB, DRIVE PULLEY													
10D	**5143234**	HUB		1	1	1	1				1				
10D	**5127670**	HUB (12.5027)										1			
	103323	LOCKWASHER, 1/2" (12.9200)										1			
	103028	NUT, 1/2"-20 HEX. (12.9120)										1			
		1.7622 - ADAPTOR, ACCESSORY DRIVE													
	5108954	ADAPTOR, HYDRAULIC PUMP (12.5020)										1			
	5122386	ADAPTOR, HYDRAULIC PUMP (12.5020)												2	
	103196	STUD, 3/8"X1 9/16" (12.9117)											2	4	
	179838	BOLT, 3/8"-16X7/8" (12.9001)										2			
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)										3		4	
	179858	BOLT, 7/16"-14X1" (12.9001)												2	
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)												8	
	103321	LOCKWASHER, 3/8" (12.9200)										AR	AR	AR	
	103028	NUT, 3/8"-24 HEX. (12.9120)										AR	AR	AR	
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR													
	5104507	GASKET, ADAPTOR TO FLYWHEEL HSG. (12.5021)										1			
	5124926	GASKET, PUMP TO ADAPTOR (1.7700)										1			
	5104506	GASKET, ADAPTOR TO FLYWHEEL HSG. (12.5021)												2	
	5188755	GASKET, PUMP TO ADAPTOR (12.5005)											1	2	
		1.7630 - PLATE ASSY., ACCESSORY DRIVE													
		A GEAR ASSY. INCLUDES BUSHING IN 1.7632													
10B	**5123091**	GEAR ASSY. (R. H. HELIX)				1						1			
	5193576	GEAR (5.6320)						1							
10A	**5170450**	PLATE	1							1	2		2	2	2
10A	**5131627**	PLATE						1							
	5177026	SPACER						1							
10A	**5145091**	BOLT, 3/8"-24X1.38" SELF LOCK (12.5015)								4	8				
	5176474	BOLT, 3/8"-24X1 1/8"						4							
	5145092	BOLT, 1.20"L., SPECIAL (12.4037)	4										4	12	8
10B	**5117720**	LOCKWASHER, 1 15/32" (3.4330)				1						1			
10B	**5117727**	NUT, 1 7/16" HEX. (3.4340)				1						1			
		1.7632 - BUSHING, ACCESSORY DRIVE GEAR													
	5120501	BUSHING (3.4355)				2						2			

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 92	96	100	102	105	108	125	126	130	135	136	137	139
		1.7635 - COUPLING, ACCESSORY DRIVE													
10D	5139545	COUPLING		1	1	1	1				1				
10D	5143616	COUPLING						1						2	
		1.7640 - SHAFT,.ACCESSORY DRIVE													
10A	5131130	SHAFT	1							1	1				
10D	5143233	SHAFT		1	1	1	1				1				
10D	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)		2	2	2	2				2				
10C	272906	NUT, 3/4"-16 HEX. LOCK (12.9120)		1	1	1	1				1				
		1.7642 - GEAR, ACCESSORY DRIVE SHAFT													
	5188848	GEAR (COUPLING) (12.5030)												2	
		1.7643 - HUB, ACCESSORY DRIVE GEAR													
10D	5123082	HUB (LEFT BANK) (1.7635)				1						1			
10B	181374	BOLT, 3/8"-24X1 1/2" (12.9001)				3						3			
10B	103321	LOCKWASHER, 3/8" (12.9200)				3						3			
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE													
		INCLUDES ITEMS IN 1.7650, 1.7655 AND 1.7660.													
10A	5131402	RETAINER ASSY.	1							1	1				
10A	5133683	RETAINER		1	1	1	1				1				
10B	8920683	SUPPORT ASSY.				1						1			
	9428477	PLUG, 15/16"				1						1			
	274889	PIN, 1/8"X1/4" SPRING (12.9270)		1		1						1			
	141126	PIN, 5/32"X1/4" DOWEL (12.9290)		2											
	5106909	PIN, 3/16"X1/4" DOWEL (12.9290)				2						2			
10B	181361	BOLT, 3/8"-24X7/8" (12.9001)				2						2			
10A	179858	BOLT, 7/16"-14X1" (12.9001)	1												
10A	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4							4	4				
	5152148	WASHER, 3/8" COPPER (12.9190)				2						2			
	5150568	WASHER, 7/16" COPPER (12.9190)	1												
		1.7646 - GASKET, ACCESSORY DRIVE RETAINER													
	5117061	GASKET (1.5040)											1		

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 92	96	100	102	105	108	125	126	130	135	136	137	139
		1.7647 - TUBE, ACCESSORY DRIVE OIL SUPPLY													
10B	5117728	* TUBE ASSY. (DEV. L. 6.74")				1									
	5139082	HOSE, #5X8 3/4" (12.5218)										1			
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)				1						2			
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)										1			
	137407	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1			
	5129184	TEE, 1/4" PIPE (2.5149)										1			
	5145009	PLUG, 1/8" PIPE (12.9550)				1						2			
		* NOT SERVICED, USE 5145243 AND INCLUDE (1) 137405 CONNECTOR, (1) 143342 ELBOW AND (1) 5167220 TEE.													
		1.7650 - LOCKRING, ACCESSORY DRIVE													
10A	9415285	RING, LOCK (2.7470)	1							1	1				
10D	274621	RING, LOCK (7.1545)		1	1	1	1				1				
		1.7652 - SPACER, ACCESSORY DRIVE BEARING													
10D	5176947	SPACER, 1"X.662" (12.5037)											1		
		1.7655 - BEARING, ACCESSORY DRIVE													
10A	907191	BEARING	1							1	1				
10A	908002	* BEARING		1	1	1	1				1				
10D	903204	BEARING (2.8830)											2		
10B	5117700	BEARING (THRUST) (3.4302)				2						2			
10B	5117704	WASHER, (THRUST) (3.4320)				1						1			
		* PART OF ACCESSORY DRIVE SEAL KIT IN 1.7602.													
		1.7656 - RETAINER, ACCESSORY DRIVE BEARING													
	5130828	ADAPTOR (12.5037)											1		
		1.7660 - SEAL, ACCESSORY DRIVE OIL													
10A	5131329	* SEAL	1							1	1				
	5138710	* SEAL		1	1	1	1				1				
		* PART OF ACCESSORY DRIVE SEAL KIT IN 1.7602.													

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 92	96	100	102	105	108	125	128	130	135	136	137	139
		1.7665 - SPACER, ACCESSORY DRIVE OIL SEAL													
	5131131	SPACER (1.3665)	1							1	1				
	5133682	SPACER		1	1	1	1				1				
		1.7670 - GEAR, ACCESSORY DRIVE													
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)											1	2	
	5188756	NUT, 1/2"-28 (12.5030)											AR	AR	
	122761	NUT, 1/2"-20 HEX. (12.9130)												2	

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 140	144	145	146	148	158	163	166	167	171	172	177	178
		1.7600 - DRIVE ASSY., ACCESSORY													
		REDUCTION DRIVE ASSY. INCLUDES ITEMS IN 1.7600, 1.7627, 1.7635, 1.7640, 1.7642, 1.7652, 1.7655 AND 1.7656.													
	5131554	DRIVE ASSY. (REDUCTION)		1											
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		1											
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)		4											
	5125108	WASHER, 7/16" (2.4030)		1											
	103323	LOCKWASHER, 1/2" (12.9200)		4											
		1.7604 - GASKET, ACCESSORY DRIVE													
10A	5104506	GASKET (1.5040)		1											
		1.7605 - PULLEY, ACCESSORY DRIVE													
	5133615	PULLEY (5" DIA., 2 GROOVE)			1										
	5168696	PULLEY (5 1/2" DIA., 2 GROOVE)	1												
	5103301	PULLEY (5.52" DIA., 2 GROOVE)				1									
	5142131	PULLEY (9" DIA., 1 GROOVE) (1.3280)				1									
	5145948	SPACER (1.3295)				1									
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)	1		1	1									
	180120	BOLT, 3/8"-16X3/4" (12.9001)				3									
	103321	LOCKWASHER, 3/8" (12.9200)				3									
	272906	NUT, 3/4"-16 HEX. (12.9120)	1		1	1									
		1.7622 - ADAPTOR, ACCESSORY DRIVE													
	5122386	* ADAPTOR, HYDRAULIC PUMP (12.5020)								1	1	1			
	5137222	@ ADAPTOR, HYDRAULIC PUMP (12.5020)									1				
	5135907	ADAPTOR, HYDRAULIC PUMP (12.5020)												1	
	5131308	ADAPTOR, HYDRAULIC PUMP (12.5020)													1
	103196	STUD, 3/8"X1 9/16" (12.9117)								2			2		
	103197	STUD, 3/8" X 13/16" (12.9117)										2			
	179839	BOLT, 3/8"-16X1" (12.9001)												6	2
	179858	BOLT, 7/16"-14X1" (12.9001)								1	2	1			1
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)								4	12	8			4
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)									4		4		
	103321	LOCKWASHER, 3/8" (12.9200)								AR		AR	AR	AR	AR
	117049	NUT, 3/8"-24 HEX. (12.9120)								2		2	2		
		* LEFT BANK PUMP, TYPE 167.													
		@ RIGHT BANK PUMP, TYPE 167.													
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR													
	5188755	* GASKET, PUMP TO ADAPTOR (12.5005)		1						1	1	1	1	2	
	5104506	GASKET, ADAPTOR TO FLYWHEEL HSG. (1.5040)								1	2	1	1		

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 140	144	145	146	148	158	163	166	167	171	172	177	178
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR (CONT'D)													
	5137221	@ GASKET, PUMP TO ADAPTOR (12.5005)									1				
	5168852	GASKET, PUMP TO ADAPTOR (12.5005)												1	
	5131396	GASKET, PUMP TO ADAPTOR (12.5005)													1
		* LEFT BANK PUMP, TYPE 167.													
		@ RIGHT BANK PUMP, TYPE 167.													
		1.7627 - HOUSING, ACCESSORY DRIVE													
	5130511	HOUSING (12.5025)		1											
	5176948	SCREW, SET (3/8"-16X1.18") (12.5037)		1											
	114503	NUT, 3/8"-16 JAM (12.9120)		1											
		1.7630 - PLATE ASSY., ACCESSORY DRIVE													
	5170450	PLATE	1	1	1	1	1	2		1	2	1	1	1	1
	5145092	BOLT, 1.20" L., SPECIAL (12.5015)	4	4	4	4	4	8		4	8	4	4	4	4
		1.7635 - COUPLING, ACCESSORY DRIVE													
	5143616	COUPLING (12.5010)		1			1	2		1	2	1	1	1	1
		1.7640 - SHAFT, ACCESSORY DRIVE													
10A	5131130	SHAFT	1		1	1									
	5148000	SHAFT (12.5027)		1											
	124546	KEY, 5/32"X5/8" (12.9350)		2											
		1.7642 - GEAR, ACCESSORY DRIVE SHAFT													
	5188848	GEAR (COUPLING) (12.5030)		1											
	5188762	GEAR (12.5035)		1											
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE													
10A	5131402	RETAINER ASSY.	1		1	1									
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)			4	4									
	179858	BOLT, 7/16"-14X1" (12.9001)				1									
		1.7646 - GASKET, ACCESSORY DRIVE RETAINER													
	5117061	GASKET (1.5040)		1											

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 140	144	145	146	148	158	163	166	167	171	172	177	178
		1.7650 - LOCKRING, ACCESSORY DRIVE													
10A	9415285	RING, LOCK (2.7470)	1		1	1									
		1.7652 - SPACER, ACCESSORY DRIVE BEARING													
10D	5176947	SPACER, 1"X.662" (12.5037)		1											
		1.7655 - BEARING, ACCESSORY DRIVE													
10A	907191	BEARING	1		1	1									
10D	903204	BEARING (2.8830)		2											
		1.7656 - RETAINER, ACCESSORY DRIVE BEARING													
	5130828	ADAPTOR (12.5037)	1												
		1.7660 - SEAL, ACCESSORY DRIVE OIL													
10A	5131329	SEAL	1		1	1									
		1.7665 - SPACER, ACCESSORY DRIVE OIL SEAL													
	5131131	SPACER (1.3665)	1		1	1									
		1.7670 - GEAR, ACCESSORY DRIVE													
	5131556	GEAR (HYDRAULIC PUMP) (12.5035)		1											
	5188848	GEAR (HYDRAULIC PUMP) (12.5030)								1			1		
	5137392	* GEAR (HYDRAULIC PUMP) (12.5030)									1				
	9433626	GEAR (HYDRAULIC PUMP) (12.5030)										1			
	5137403	@ GEAR (HYDRAULIC PUMP) (12.5030)									1				
	5168688	GEAR (HYDRAULIC PUMP) (12.5030)												1	
	5131313	GEAR (HYDRAULIC PUMP) (12.5030)													1
	103375	PIN, 3/32"X1 1/4" COTTER (12.5030)		1						1		1	1		
	455921	PIN, 1/8"X1 1/2" SPRING (3.3063)									2				
	5130822	WASHER, 33/64"X1 1/16"X1/8" (5.4140)													1
	122761	NUT, 1/2"-20 HEX. (12.9130)								1					
	5188756	NUT, 1/2"-28 SLOTTED (12.5030)								1		1	1		
	122797	NUT, 5/8"-18 HEX. SL. (12.9130)		1											

* RIGHT BANK PUMP, TYPE 167.
@ LEFT BANK PUMP, TYPE 167.

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 179	180	181	182	183	184	185	186	229	230	241
		1.7622 - ADAPTOR, ACCESSORY DRIVE											
	5122386	ADAPTOR, HYDRAULIC PUMP (12.5020)				2							
	5135907	ADAPTOR, HYDRAULIC PUMP (12.5020)								2			
	5131332	ADAPTOR, HYDRAULIC PUMP (12.5020)	1					1					
	5137472	ADAPTOR, HYDRAULIC PUMP (12.5020)		1	1								
	5120828	ADAPTOR, HYDRAULIC PUMP (12.5020)						1					
	103196	STUD, 3/8"X1 9/16" (12.9117)				4							
	103197	STUD, 3/8"X1 13/16" (12.9117)											2
	179839	BOLT, 3/8"-16X1" (12.9001)					6			12			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2					2					
	179858	BOLT, 7/16"-14X1" (12.9001)	1	1	1		1						1
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4	4	4		4						4
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR	AR	AR		AR			AR
	117049	NUT, 3/8"-24 HEX. (12.9120)				4		2					
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR											
	5188755 *	GASKET, PUMP TO ADAPTOR (12.5005)	1	1		2		1					1
	5117061	GASKET, ADAPTOR TO FLYWHEEL HSG. (1.5040)	1	1		2	1	1	1		1	1	1
	5168852	GASKET, PUMP TO ADAPTOR (12.5005)								2			
	5111828	GASKET, PUMP TO ADAPTOR (12.5005)					1						
		* LEFT BANK PUMP, TYPE 167.											
		1.7630 - PLATE ASSY., ACCESSORY DRIVE											
	5170450	PLATE	1	1	1	2	1	1	1	2	1	1	1
	5145092	BOLT, 1.20"L., SPECIAL (12.5015)	4	4	4	12	4	4	4	8	4	4	4
		1.7635 - COUPLING, ACCESSORY DRIVE											
	5143616	COUPLING (12.5010)	1	1	1	2	1	1		2			1
	5141773	COUPLING (AIR COMPRESSOR DRIVE) (12.4050)					1		1		1	1	
	5132663	COUPLING (HUB) (12.5010)							1				
	5144866	COUPLING (HUB) (12.4040)					1				1	1	
		1.7670 - GEAR, ACCESSORY DRIVE											
	5131313	GEAR (HYDRAULIC PUMP) (12.5030)											1
	5131401	GEAR (HYDRAULIC PUMP) (12.5030)	1										
	5138079	GEAR (HYDRAULIC PUMP) (12.5030)		1									
	5135378	GEAR (HYDRAULIC PUMP) (12.5030)			1								
	5188848	GEAR (HYDRAULIC PUMP) (12.5030)				2							
	5111829	GEAR (HYDRAULIC PUMP) (12.5030)					1	1					
	5168688	GEAR (HYDRAULIC PUMP) (12.5030)								2			

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 179	180	181	182	183	184	185	186	229	230	241
		1.7670 - GEAR, ACCESSORY DRIVE (CONT'D)											
	103375	PIN, 3/32"X1 1/4" COTTER (12.5030)				3		2			1	1	
	455921	PIN, 1/8"X1 1/2" SPRING (3.3063)		1	1								
	122761	NUT, 1/2"-20 HEX. (12.9130)						1					
	5188756	NUT, 1/2"-28 SLOTTED (12.5030)				1							

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 248	254	255	271	281	288	289	291	296	310	312	322	334
		1.7600 - DRIVE ASSY., ACCESSORY													
		INCLUDES ITEMS IN 1.7610, 1.7640, 1.7645, 1.7650, 1.7655, 1.7660 AND 1.7665. REDUCTION DRIVE ASSY. INCLUDES ITEMS IN 1.7600, 1.7627, 1.7635, 1.7640, 1.7642, 1.7652, 1.7655 AND 1.7656.													
	5131554	DRIVE ASSY. (REDUCTION)	1												
	8920687	+ DRIVE ASSY. (12.5006)		1											
	5133747	DRIVE ASSY.					1								
	5107672	DRIVE ASSY.										1	1		
	5132874	STUD, 3/8"-24X5.34" (1.5050)		2											
	5128641	STUD, 3/8"-24 X 1 1/2"										6	6		
	103196	STUD, 3/8-24X1.9/16(12.9001)							2						
	179839	BOLT, 3/8 -16X1 (12.9001)					2								
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)										2	2		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		2											
	9430221	BOLT, 3/8 -24X4 3/4 (12.9001)					3					4	4		
	186318	BOLT, 3/8 -24X5 1/4 (12.9001)					1								
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	1												
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)	4												
	5150568	WASHER, 7/16" FLAT COPPER (2.4050)	1												
	103321	LOCKWASHER, 3/8" (12.9200)		2						2		6	6		
	103323	LOCKWASHER, 1/2" (12.9200)	4												
	117049	NUT, 3/8"-24 HEX. (12.9120)		2			1			2					
		+ NOT SERVICED, USE COMPONENTS.													
		1.7604 - GASKET, ACCESSORY DRIVE													
10B	5148810	GASKET (3.4360)		1											
	5104507	GASKET (1.5060)					1								
		1.7605 - PULLEY, ACCESSORY DRIVE													
	5148836	PULLEY, 4.66" DIA., 2 GROOVES					1								
	8921942	PULLEY, 4.74" DIA., 1 GROOVE													1
	5103301	PULLEY, 5.52 DIA. 2 GROOVES								1					
	106751	KEY, 3/16X3/4 (12.9350)								1					
	124543	KEY, 1/8"X1/2" (12.9350)					1								
	103904	KEY, 3/32"X1/2" (12.9350)													1
	179838	BOLT, 3/8"-16X7/8" (12.9001)													1
	5150230	WASHER, 3/8" (3.4120)													1
	103321	LOCKWASHER, 3/8" (12.9200)													1
	272906	NUT, 3/4" -16 HEX LOCK (12.9140)					1			1					
		1.7610 - HUB, DRIVE PULLEY													
10D	5123124	HUB (12.5029)		1											
		1.7612 - PULLEY, ACCESSORY DRIVEN													
	5143095	PULLEY (1.90" DIA. 8 GROOVES)													1
	216283	BOLT, 7/16"-10X1 3/4" (12.9001)													1
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)													1
	103322	LOCKWASHER, 7/16" (12.9200)													2
	456939	NUT, 7/16"-20 (12.9120)													2

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 248	254	255	271	281	288	289	291	296	310	312	322	334
		1.7620 - SEAL, ACCESSORY DRIVE OIL													
	5177786	SEAL (2.8810)													1
		1.7622 - ADAPTOR, ACCESSORY DRIVE													
	5122386	ADAPTOR, HYDRAULIC PUMP (12.5020)			1										
	5139376	ADAPTOR, HYDRAULIC PUMP (12.5020)							1		1				
	5137222	ADAPTOR, HYDRAULIC PUMP (12.5020)				1									
	5137472	ADAPTOR, HYDRAULIC PUMP (12.5020)						1							
	179858	BOLT, 7/16"-14X1" (12.9001)			1	1		1	1	1	1			2	
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)			4	4			4	4	4			4	
	179884	BOLT, 1/2"-13 X 1 3/8" (12.9001)						4							

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 248	254	255	271	281	288	289	291	296	310	312	322	334
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR													
	5104506	GASKET, ADAPTOR TO FLYWHEEL HSG. (1.5040)	1						1		1				
	5188755	GASKET, PUMP TO ADAPTOR (12.5005)		1	1				1						
	5137221	GASKET, PUMP TO ADAPTOR (12.5005)				1									
		1.7625 - BELT, ACCESSORY DRIVE													
	5142280	BELT (POLY-VEE) (40" L.)													1
		1.7627 - HOUSING, ACCESSORY DRIVE													
	5130511	HOUSING (12.5025)	1												
	5176948	SCREW, SET (3/8"-16X1.18") (12.5037)	1												
	114503	NUT, 3/8"-16 JAM (12.9120)	1												
		1.7630 - PLATE ASSY., ACCESSORY DRIVE													
		A GER ASSY. INCLUDES BUSHING IN 1.7632.													
10B	5123091	GEAR ASSY. (R.H. HELIX)		1											
	5182667	GEAR (12.5030)		1											
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1											
10A	5170450	PLATE (21 TEETH)	1		1	1		1	1	1	1			2	
	5145092	BOLT, 1.20" L. SPECIAL (12.5015)	4		4			4	4	4	4			8	
10B	5117720	LOCKWASHER, 1 15/32" (3.4340)		1											
10B	5117727	NUT, 1 7/16" HEX. (3.4330)		1											
		1.7632 - BUSHING, ACCESSORY DRIVE GEAR													
	5120501	BUSHING (3.4355)		1											
		1.7635 - COUPLING, ACCESSORY DRIVE													
	5143616	COUPLING (12.5010)	1		1	1		1	1		1				
	5145282	COUPLING (9.1533)		1											
	5139545	COUPLING					1					1	1		
		1.7640 - SHAFT, ACCESSORY DRIVE													
	5148000	SHAFT	1												
	5112516	SHAFT (12.5027)		1											
	5117920	SHAFT (HUB)													1
	5131130	SHAFT								1				1	
	5143233	SHAFT					1								
	5128364	HUB ASSY.										1	1		
	9428477	PLUG, CUP 15/16" (2.7340)										1	1		
	181596	BOLT, 5/16"-24X7/8" (12.9001)													3
	103320	LOCKWASHER, 5/16" (12.9200)													3
	106749	KEY, 1/8"X1/2" WOODRUFF (12.9350)		1											
	124543	KEY, 1/8 X 1/2					2								
	124546	KEY, 5/32"X5/8" (12.9350)	2											2	
	124549	KEY, 3/16" X 3/4" (12.9350)												2	
	272906	NUT, 3/4"-16 HEX. (12.9140)												2	

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 248	254	255	271	281	288	289	291	296	310	312	322	334
		1.7642 - GEAR, ACCESSORY DRIVE SHAFT													
	5188848	GEAR (COUPLING) (12.5030)	1												
	5168688	GEAR (12.5030)						1			1				
	5188762	GEAR (12.5035)	1												
		1.7643 - HUB, ACCESSORY DRIVE GEAR													
10B	**5123082**	HUB		1											
10B	**181374**	BOLT, 3/8"-24X1 1/2" (12.9001)		3											
10B	**103321**	LOCKWASHER, 3/8" (12.9200)		3											
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE													
		INCLUDES ITEMS IN 1.7650, 1.7655 AND 1.7660.													
10B	**8920683**	SUPPORT ASSY.		1											
	5124135	HOUSING		1											
	5133683	RETAINER					1								
	5131402	RETAINER								1				1	
	9428477	PLUG, 15/16"		1											
	274889	PIN, 1/8"X1/4" SPRING (12.9270)		1											
	5106909	PIN, 3/16"X1/4" DOWEL (12.9290)		2											
10B	**181361**	BOLT, 3/8"-24X7/8" (12.9001)		2											
10B	**5152148**	WASHER, 3/8" COPPER (12.9190)		2											
		1.7647 - TUBE, ACCESSORY DRIVE OIL SUPPLY													
	5145243	TUBE (DEV. L. 7.68") (12.5034)		1											
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)		1											
	5167220	TEE, 1/4" INV. FL. TUBE (7.8300)		1											
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)		1											
	5120375	ADAPTOR, 1/4"X1/8" PIPE (12.9575)		1											
	5145009	PLUG, 1/8" PIPE (12.9550)		1											
		1.7650 - LOCKRING, ACCESSORY DRIVE													
	274621	RING, LOCK					1								
		1.7652 - SPACER, ACCESSORY DRIVE BEARING													
10D	**5176947**	SPACER, 1"X.662" (12.5037)	1												
	5133682	SPACER					1								
	5131131	SPACER, SEAL								1				2	

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 248	254	255	271	281	288	289	291	296	310	312	322	334
		1.7655 - BEARING, ACCESSORY DRIVE													
10D	903204	BEARING (2.8830)	2	2											
10B	5117700	BEARING (THRUST) (3.4302)		2											
	5107674	BEARING										1	1		
	908002	BEARING (5.4322)					1								
10B	5117704	WASHER, (THRUST) (3.4320)		1											
		1.7656 - RETAINER, ACCESSORY DRIVE BEARING													
	5130828	ADAPTOR (12.5037)	1												
	5176949	ADAPTOR (12.5037)		1											
	5176947	SPACER, 1"X.662" (12.5037)		1											
	5176948	SCREW, SET (3/8"-16X1.18") (12.5037)		1											
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)		2											
	117062	NUT, 3/8"-16 HEX. (12.9120)		1											
		1.7660 - SEAL, ACCESSORY DRIVE													
	5138710	SEAL					1								
	5107673	SEAL										1	1		
	5107668	SLEEVE										1	1		
		1.7665 - SPACER, ACCESSORY DRIVE OIL SEAL													
	5107671	SPACER (2.442" O.D. .40" THK)											1		
		1.7670 - GEAR, ACCESSORY DRIVE													
	5132024	GEAR (HYDRAULIC PUMP) (12.5030)	1	1											
	5138709	GEAR (HYDRAULIC PUMP) (12.5030)			1										
	103375	PIN, 3/32"X1 1/4" COTTER (12.5030)	1	1											
	455921	PIN, 1/8"X1 1/2" SPRING (12.5030)			1										
	5188756	NUT, 1/2"-28 SLOTTED (12.5030)	1	1											
11A	5150302	SEAT	18	48	36	18	24		36	48		24	36	48	24
11A	5150302	SEAT	18	48	36	18	24		36	48		24	36	48	24

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 24	25	26	37	38	40	41	52	67	86	97	150
	1.8060	**- ARM ASSY., EXHAUST VALVE ROCKER**												
		• FOR TYPE 78 USE TYPE 26.■ • FOR TYPE 96 USE TYPE 97.■ INCLUDES ITEMS IN 1.8100, 1.8120, 1.8130, 1.8140 AND 1.8150.												
11A	**5148472**	ARM ASSY. (LEFT)	6	16	12		8		16	12	8		16	8
11A	**5148475**	ARM ASSY. (RIGHT)	6	16	12		8		16	12	8		16	8
11A	**5150304**	ARM ASSY. (LEFT)				6		12				12		
11A	**5150305**	ARM ASSY. (RIGHT)				6		12				12		
	1.8080	**- ARM ASSY., INJECTOR ROCKER**												
		INCLUDES ITEMS IN 1.8110 THROUGH 1.8150.												
11A	**8923543**	ARM ASSY.	6	16	12	6	8	12	16	12	8	12	16	8
	1.8100	**- BUSHING, EXHAUST VALVE ROCKER ARM-LARGE**												
11A	**5122445**	BUSHING	12	32	24	12	16	24	32	24	16	24	32	16
	1.8110	**- BUSHING INJECTOR ROCKER ARM-LARGE**												
11A	**5150318**	BUSHING	6	16	12	6	8	12	16	12	8	12	16	8
	8924355	BUSHING .0015" UNDERSIZED INSIDE DIA.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	1.8120	**- BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL**												
11A	**5150311**	BUSHING	18	48	36	18	24	36	48	36	24	36	48	24
	8924354	BUSHING, .0015" UNDERSIZED INSIDE DIA.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	1.8130	**- CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM**												
11A	**5150312**	CLEVIS	18	48	36	18	24	36	48	36	24	36	48	24
	1.8140	**- BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS**												
11A	**5123700**	BUSHING	18	48	36	18	24	36	48	36	24	36	48	24
	1.8150	**- PIN, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS**												
11A	**5150314**	PIN (PUSH-ROD END)	18	48	36	18	24	36	48	36	24	36	48	24
	1.8160	**- SHAFT ASSY., ROCKER**												
11A	**5150322**	SHAFT ASSY. (INCLUDES PLUG)	6	16	12	6	8	12	16	12	8	12	16	8
11A	**5151272**	PLUG, 11/32" DIA. X 1/4"	6	16	12	6	8	12	16	12	8	12	16	8

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 24	25	26	37	38	40	41	52	67	86	97	150
		1.8170 - BRACKET, ROCKER SHAFT												
11A	**5103903**	BRACKET	12	32	24	12	16	24	32	24	16	24	32	16
11A	**5150325**	BOLT	12	32	24	12	16	24	32	24	16	24	32	16
		1.8180 - ROD, PUSH												
11A	**5128640**	ROD	18	48	36	18	24	36	48	24	24	36	48	24
11A	**5151601**	LOCKNUT	18	48	36	18	24	36	48	24	24	36	48	24
		1.8190 - SPRING, PUSH ROD												
11A	**5186858**	SPRING (2 5/8" FREE LENGTH, .177" WIRE DIA., 11 COILS, R.H. HELIX)	18	48	36	18	24	36	48		24	36	48	24
11A	**5108918**	SPRING (2.62" FREE LENGTH, .192" WIRE DIA., 10.5 COILS, R.H. HELIX)								48				
		1.8200 - SEAT, PUSH ROD SPRING-UPPER												
11A	**5150302**	SEAT	18	48	36	18	24	36	48		24	36	48	24
11A	**5108919**	SEAT								48				
		1.8210 - SEAT, PUSH ROD SPRING-LOWER												
11A	**5123250**	SEAT	18	48	36	18	24	36	48	48	24	36	48	24
		1.8250 - RETAINER, PUSH ROD												
11A,D	**5150303**	RETAINER (SNAP RING)	18	48	36	18	24	36	48	24	24	36	48	24
		1.8260 - FOLLOWER ASSY., CAM												
11A,D	**8924439**	FOLLOWER ASSY. (INCLUDES ROLLER SET)	18	48	36	18	24	36	48	24	24	36	48	24
		1.8265 - ROLLER SET, CAM FOLLOWER												
		INCLUDES ROLLER WITH BUSHING AND PIN.												
	8923814	ROLLER SET (STANDARD)	18	48	36	18	24	36	48	24	24	36	48	24
		1.8300 - GUIDE, CAM FOLLOWER												
11A,D	**5106413**	GUIDE	6	16	12	6	8	12	16	8	8	12	16	8
11A,D	**443603**	BOLT, 1/4"-20X3/4" (12.9001)	12	32	24	12	16	24	32	16	16	24	32	16
11A,D	**103319**	LOCKWASHER, 1/4" (12.9200)	12	32	24	12	16	24	32	16	16	24	32	16
		1.8310 - VALVE, EXHAUST												
		INCLUDES LOCKS IN 1.8370.												
11B	**23500501**	VALVE KIT (FOUR VALVE) (NON-TURBO & TURBO) (IDENTIFICATION "U")	24	64	48		32		64	32	32			32
11C	**5193666**	VALVE KIT (TWO VALVE) (IDENTIFICATION "J")				12		24				24		

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 24	25	26	37	38	40	41	52	67	86	97	150
		1.8310 - VALVE, EXHAUST (CONT'D)												
11B	**5149386**	VALVE KIT (FOUR VALVE) (TURBO-INTERCOOLED) (IDENTIFICATION "J6")											64	
		1.8320 - GUIDE, EXHAUST VALVE												
		INSTALLER (PKG.) INCLUDES 100 PIECES.												
	5192717	GUIDE (.016"O.S.-O.D.)				AR		AR						
11B	**5129919**	GUIDE (4 VALVE CYLINDER HEAD)	24	64	48		32		64	64	32		64	32
11C	**5120930**	GUIDE (2 VALVE CYLINDER HEAD)				12		24				24		
	23500480	* SEAL (2 VALVE CYLINDER HEAD)				12		24						
	5129920	* SEAL (4 VALVE CYLINDER HEAD)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5199914	INSTALLER, EXHAUST VALVE SEAL (CLEAR) (2 VALVE)				AR		AR				AR		
	5199913	INSTALLER, EXHAUST VALVE SEAL (GREEN STRIPE) (4 VALVE)	AR	AR	AR		AR		AR	AR	AR		AR	
		* NOT PART OF CYLINDER HEAD ASSY.												
		1.8330 - INSERT, EXHAUST VALVE												
11C	**5131096**	INSERT (2 VALVE CYLINDER HEAD)				12		24				24		
11C	**5198230**	INSERT (.010"O.S.) (2 VALVE CYLINDER HEAD)				AR		AR				AR		
11B	**5101101**	INSERT (STANDARD) (4 VALVE CYLINDER HEAD)	24	64	48		32		64	64	32		64	32
11B	**5197167**	INSERT (.010"O.S.) (4 VALVE CYLINDER HEAD)	AR	AR	AR		AR		AR	AR	AR		AR	AR
		1.8340 - SPRING, EXHAUST VALVE												
11B	**5111339**	@ SPRING, 1.95" FREE LENGTH, .135" WIRE DIA., 9.75 COILS, R.H. HELIX (VALVE AND GUIDE)	36	48	72									
11B	**5117561**	# + SPRING (1.97" FREE LENGTH, .148" WIRE DIA., 8.8 COILS, R.H. HELIX)	24	64	48		32		64	64	32		64	32
11B,D	**5147347**	SPRING, 1.97" FREE LENGTH, .148" WIRE DIA., 8.8 COILS, R.H. HELIX (SINGLE OR DOUBLE YELLOW S TRIPE OR SINGLE YELLOW AND SINGLE BLUE STRIPE)	24	64	48		32		64	664	32		64	32
11C	**5150289**	SPRING (2.40" FREE LENGTH, .177" WIRE DIA., 8.75 COILS, R.H. HELIX)				12		24				24		
		@ THRU 6VA-5307, 8VA-1057, 12VA-521.												
		# EFFECTIVE WITH 6VA-5308, 8VA-1058, 12VA-522.												
		+ NOT SERVICED. FOR SERVICE USE 5147347 AND ALL SPRINGS ON ALL CYLINDERS MUST BE CHANGED OUT FOR BALANCED V ALVE OPERATION.												
		1.8343 - BRIDGE, EXHAUST VALVE												
11B	**5117565**	BRIDGE	12	32	24		16		32	32	16		32	16
11B	**5129101**	SCREW, 5/16"-24X1" ADJUSTING (1.8340)	12	32	24		16		32	32	16		32	32
11B	**5151601**	NUT, 5/16"-24 (1.8180)	12	32	24		16		32	32	16		32	32

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 24	25	26	37	38	40	41	52	67	86	97	150
		1.8345 - GUIDE, EXHAUST VALVE BRIDGE												
11B	**5196843**	@ GUIDE (THREADED TYPE)	12	32	24									
11B	**5117564**	# GUIDE (PRESSED IN TYPE)	12	32	24		16		32	32	16		32	16
		@ THRU 6VA-5307, 8VA-1057, 12VA-521.												
		# EFFECTIVE WITH 6VA-5308, 8VA-1058, 12VA-522.												
		1.8350 - CAP, EXHAUST VALVE SPRING												
11B	**5111338**	@ CAP	24	64	48									
11B,D	**5117563**	# CAP	24	64	48		32		64	64	32		64	32
11C	**5150291**	CAP				12		24				24		
		@ THRU 6VA-5307, 8VA-1057, 12VA-521.												
		# EFFECTIVE WITH 6VA-5308, 8VA-1058, 12VA-522.												
		1.8360 - SEAT, EXHAUST VALVE SPRING												
11B	**5196148**	* SEAT	24	64	48									
11B,D	**5117562**	# SEAT	24	64	48		32		64	48	32		64	32
11C	**5150292**	SEAT				12		24				24		
		* THRU 6VA-5307, 8VA-1057, 12VA-521.												
		# EFFECTIVE WITH 6VA-5308, 8VA-1058, 12VA-522.												
		1.8370 - LOCK, EXHAUST VALVE SPRING												
11B,D	**5111337**	LOCK	48	128	96		64		128	AR	64		128	64
11C	**838029**	LOCK				24		48				48		

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 151	152	153	154	183	184	191	194	200	201	202	205
		1.8060 - ARM ASSY., EXHAUST VALVE ROCKER												
		INCLUDES ITEMS IN 1.8100, 1.8120, 1.8130, 1.8140 AND 1.8150.												
11A	**5148472**	ARM ASSY. (LEFT)	8	8	12	12	8	16	16	12	6	6	6	12
11A	**5148475**	ARM ASSY. (RIGHT)	8	8	12	12	8	16	16	12	6	6	6	12
		1.8080 - ARM ASSY., INJECTOR ROCKER												
		INCLUDES ITEMS IN 1.8110 THRU 1.8150.												
11A	**8923543**	ARM ASSY.	8	8	12	12	8	16	16	12	6	6	6	12
		1.8100 - BUSHING, EXHAUST VALVE ROCKER ARM-LARGE												
11A	**5122445**	BUSHING	16	16	24	24	16	32	32	24	12	12	12	12
		1.8110 - BUSHING INJECTOR ROCKER ARM-LARGE												
11A	**5150318**	BUSHING	8	8	12	12	8	16	16	12	12	12	6	12
	8924355	BUSHING, .0015" UNDERSIZED INSIDE DIA.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8120 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL												
11A	**5150311**	BUSHING	24	24	36	36	24	48	48	36	18	18	18	36
	8924354	BUSHING, .0015" UNDERSIZED INSIDE DIA.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8130 - CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM												
11A	**5150312**	CLEVIS	24	24	36	36	24	48	48	36	18	18	18	36
		1.8140 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
11A	**5123700**	BUSHING	24	24	36	36	24	48	48	36	18	18	18	36
		1.8150 - PIN, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
11A	**5150314**	PIN (PUSH ROD END)	24	24	36	36	24	48	48	36	18	18	18	36
		1.8160 - SHAFT ASSY., ROCKER												
11A	**5150322**	SHAFT ASSY. (INCLUDES PLUG)	8	8	12	12	8	16	16	12	6	6	6	12
11A	**5151272**	PLUG, 11/32" DIA. X 1/4"	8	8	12	12	8	16	16	12	6	6	6	12

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 151	152	153	154	183	184	191	194	200	201	202	205
		1.8170 - BRACKET, ROCKER SHAFT												
11A	**5103903**	BRACKET	16	16	24	24	16	32	32	24	12	12	12	24
11A	**5150325**	BOLT	16	16	24	24	16	32	32	24	12	12	12	24
		1.8180 - ROD, PUSH												
11A	**5128640**	ROD	24	24	36	36	24	48	48	36	18	18	18	36
11A	**5151601**	LOCKNUT	24	24	36	36	24	48	48	36	18	18	18	36
		1.8190 - SPRING, PUSH ROD												
11A	**5186858**	SPRING (2 5/8" FREE LENGTH, .177" WIRE DIA., 11 COILS, R.H. HELIX)	24	24	36	36	24	48	48	36	18	18	18	36
		1.8200 - SEAT, PUSH ROD SPRING-UPPER												
11A	**5150302**	SEAT	24	24	36	36	24	48	48	36	18	18	18	36
		1.8210 - SEAT, PUSH ROD SPRING-LOWER												
11A	**5123250**	SEAT	24	24	36	36	24	48	48	36	18	18	18	36
11A,D	**5150303**	RETAINER (SNAP RING)	24	24	36	36	24	48	48	36	18	18	18	36
		1.8260 - FOLLOWER ASSY., CAM												
11A,D	**8924439**	FOLLOWER ASSY. (INCLUDES ROLLER SET)	24	24	36	36	24	48	48	36	18	18	18	36
		1.8265 - ROLLER SET, CAM FOLLOWER												
		INCLUDES ROLLER WITH BUSHING & PIN.												
	8923814	ROLLER SET (STANDARD)	24	24	36	36	24	48	48	36	18	18	18	36
		1.8300 - GUIDE, CAM FOLLOWER												
11A,D	**5106413**	GUIDE	8	8	12	12	8	16	16	12	6	6	6	12
11A,D	**443603**	BOLT, 1/4"-20X3/4" (12.9001)	16	16	24	24	16	32	32	24	12	12	12	24
11A,D	**103319**	LOCKWASHER, 1/4" (12.9200)	16	16	24	24	16	32	32	24	12	12	12	24
		1.8310 - VALVE, EXHAUST												
		INCLUDES LOCKS IN 1.8370.												
11B	**5149386**	VALVE KIT (FOUR VALVE) (TURBO-INTERCOOLED) (IDENTIFICATION "J6")		32		48				48				48
11C	**5193666**	VALVE KIT (TWO VALVE) (IDENTIFICATION "J")					16	32	32					
11B	**23500501**	VALVE KIT (FOUR VALVE) (NON-TURBO & TURBO) (IDENTIFICATION "U")	32		48						24	24	24	

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 151	152	153	154	183	184	191	194	200	201	202	205
		1.8320 - GUIDE, EXHAUST VALVE												
		INSTALLER (PKG.) INCLUDES 100 PIECES.												
11B	**5129919**	GUIDE (4 VALVE CYLINDER HEAD)	32	32	48	48				48	24	24	24	48
11C	**5120930**	GUIDE (2 VALVE CYLINDER HEAD)					16	32	32					
	5129920	* SEAL (4 VALVE CYLINDER HEAD)	AR	AR	AR	AR				AR	AR	AR	AR	AR
	23500480	* SEAL (2 VALVE CYLINDER HEAD)					16	32	32					
	5199914	INSTALLER, EXHAUST VALVE SEAL (CLEAR) (2 VALVE)					AR	AR	AR					
	5199913	*INSTALLER, EXHAUST VALVE SEAL* (GREEN STRIPE) (4 VALVE)	AR	AR	AR	AR				AR	AR	AR	AR	AR
		* NOT PART OF CYLINDER HEAD ASSY.												
		1.8330 - INSERT, EXHAUST VALVE												
11C	**5131096**	INSERT (2 VALVE CYLINDER HEAD)					16	32	32					
11C	**5198230**	INSERT (.010" O.S.) (2 VALVE CYLINDER HEAD)					AR	AR	AR					
11B	**5101101**	INSERT (STANDARD) (4 VALVE CYLINDER HEAD)	32	32	48	48				48	24	24	24	48
11B	**5197167**	INSERT (.010" O.S.) (4 VALVE CYLINDER HEAD)	AR	AR	AR	AR				AR	AR	AR	AR	AR
		1.8340 - SPRING, EXHAUST VALVE												
11B	**5111339**	@ SPRING, 1.95" FREE LENGTH, .135" *WIRE DIA., 9.75 COILS, R.H. HELIX* (VALVE AND GUIDE)								72				
11B	**5117561**	# + SPRING (1.97" FREE LENGTH, .148" WIRE DIA., 8.8 COILS, R.H. HELIX)	32	32	48	48				48				48
11C	**5150289**	SPRING (2.40" FREE LENGTH, .177" WIRE DIA., 8.75 COILS, R.H. HELIX)					16	32	32	48				
11B,D	**5147347**	SPRING 1.97" FREE LENGTH, .148" WIRE DIA., 8.8 COILS, R.H. HELIX (SINGLE OR DOUBLE YELLOW STRIPE OR SINGLE YELLOW AND SINGLE BLUE STRIPE)	32	32	48	48				48	24	24	24	48
		@ THRU 6VA-5307, 8VA-1057 & 12VA-521.												
		# EFFECTIVE WITH 6VA-5308, 8VA-1058 & 12VA-522.												
		+ NOT SERVICED. FOR SERVICE USE 5147347 AND ALL SPRINGS ON ALL CYLINDERS MUST BE CHANGED OUT FOR BALANCED V ALVE OPERATION.												
		1.8343 - BRIDGE, EXHAUST VALVE												
11B	**5117565**	BRIDGE	16	16	24	24				24	12	12	12	24
11B	**5129101**	SCREW, 5/16"-24X1" ADJUSTING (1.8340)	16	16	24	24				24	12	12	12	24
11B	**5151601**	NUT, 5/16"-24 (1.8180)	16	16	24	24				24	12	12	12	24
		1.8345 - GUIDE, EXHAUST VALVE BRIDGE												
11B	**5117564**	# GUIDE (PRESSED IN TYPE)	16	16	24	24				24	12	12	12	24
11B	**5196843**	@ GUIDE (THREADED TYPE)								24				
		@ THRU 6VA-5307, 8VA-1057, 12VA-521.												
		# EFFECTIVE WITH 6VA-5308, 8VA-1058, 12VA-522.												

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 151	152	153	154	183	184	191	194	200	201	202	205
		1.8350 - CAP, EXHAUST VALVE SPRING												
11B,D	**5117563**	# CAP	32	32	48	48				48	24	24	24	48
11B	**5150291**	CAP					16	32	32					
11B	**5111338**	@ CAP								48				
		@ THRU 6VA-5307, 8VA-1057, 12VA-521.												
		# EFFECTIVE WITH 6VA-5308, 8VA-1058, 12VA-522.												
		1.8360 - SEAT, EXHAUST VALVE SPRING												
11B,D	**5117562**	# SEAT	32	32	48	48				48	24	24	24	48
11C	**5150292**	SEAT					16	32	32					
11B	**5196148**	* SEAT								48				
		* THRU 6VA-5307, 8VA-1057, 12VA-521.												
		# EFFECTIVE WITH 6VA-5308, 8VA-1058, 12VA-522.												
		1.8370 - LOCK, EXHAUST VALVE SPRING												
11B,D	**5111337**	LOCK	64	64	96	96				96	48	48	48	96
11C	**838029**	LOCK					32	64	64					

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 217	237	240	255	257	258	259	260	261	262	263	264
		1.8060 - ARM ASSY., EXHAUST VALVE ROCKER												
		INCLUDES ITEMS IN 1.8100, 1.8120, 1.8130, 1.8140 AND 1.8150.												
11A	**5150304**	ARM ASSY. (LEFT)	8											
11A	**5150305**	ARM ASSY. (RIGHT)	8											
11A	**5148472**	ARM ASSY. (LEFT)		6	12	12	8	6	12	8	12	12	12	8
11A	**5148475**	ARM ASSY. (RIGHT)		6	12	12	8	6	12	8	12	12	12	8
		1.8080 - ARM ASSY., INJECTOR ROCKER												
		INCLUDES ITEMS IN 1.8110 THRU 1.8150.												
11A	**8923543**	ARM ASSY.	8			12	8	6	12	8	12	12		8
11A	**8923554**	ARM ASSY.		6	12								12	
		1.8100 - BUSHING, EXHAUST VALVE ROCKER ARM-LARGE												
11A	**5122445**	BUSHING	16	12	24	24	16	12	24	16	24	24	24	16
		1.8110 - BUSHING, INJECTOR ROCKER ARM-LARGE												
11A	**5150318**	BUSHING	8	6	12	12	8	6	12	8	12	12	12	8
	8924355	BUSHING, .0015" UNDERSIZED INSIDE DIA.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8120 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL												
11A	**5150311**	BUSHING	24	12	24	36	24	18	36	24	36	36	24	24
	8924354	BUSHING, .0015" UNDERSIZED INSIDE DIA.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8130 - CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM												
11A	**5150312**	CLEVIS	24	18	36	36	24	18	36	24	36	36	36	24
		1.8140 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
11A	**5123700**	BUSHING	24	18	36	36	24	18	36	24	36	36	36	24
		1.8150 - PIN, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
11A	**5150314**	PIN (PUSH ROD END)	24	18	36	36	24	18	36	24	36	36	36	24
		1.8160 - SHAFT ASSY., ROCKER												
11A	**5150322**	SHAFT ASSY. (INCLUDES PLUG)	8	6	12	12	8	6	12	8	12	12	12	8
11A	**5151272**	PLUG, 11/32" DIA. X 1/4"	8	6	12	12	8	6	12	8	12	12	12	8

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 217	237	240	255	257	258	259	260	261	262	263	264
		1.8170 - BRACKET, ROCKER SHAFT												
11A	**5103903**	BRACKET	16	12	24	24	16	12	24	16	24	24	24	16
11A	**5150325**	BOLT	16	12	24	24	16	12	24	16	24	24	24	16
		1.8180 - ROD, PUSH												
11A	**5128640**	ROD	24	18	36	36	24	18	36	24	36	36	36	24
11A	**5151601**	LOCKNUT	24	18	36	36	24	18	36	24	36	36	36	24
		1.8190 - SPRING, PUSH ROD												
11A	**5186858**	SPRING (2 5/8" FREE LENGTH, .177" WIRE DIA., 11 COILS, R.H. HELIX)	24	18	36	36	24	18	36	24	36	36		24
11A	**5108918**	SPRING (2.62" FREE LENGTH, .192" WIRE DIA., 10.5 COILS, R.H. HELIX)											36	
		1.8200 - SEAT, PUSH ROD SPRING-UPPER												
11A	**5150302**	SEAT	24	18	36	36	24	18	36	24	36	36		24
11A	**5108919**	SEAT											36	
		1.8210 - SEAT, PUSH ROD SPRING-LOWER												
11A	**5123250**	SEAT	24	18	36	36	24	18	36	24	36	36	36	24
		1.8250 - RETAINER, PUSH ROD												
11A,D	**5150303**	RETAINER (SNAP RING)		18	36	36	24	18	36	24	36	36	36	24
		1.8260 - FOLLOWER ASSY., CAM												
11A,D	**8924439**	FOLLOWER ASSY. (INCLUDES ROLLER SET)		18	36	36	24	18	36	24	36	36	36	24
		1.8265 - ROLLER SET, CAM FOLLOWER												
	8923814	ROLLER SET (STANDARD)		18	36	36	24	18	36	24	36	36	36	24
		1.8300 - GUIDE, CAM FOLLOWER												
11A,D	**5106413**	GUIDE		6	12	12	8	6	12	8	12	12	12	8
11A,D	**443603**	BOLT, 1/4"-20X3/4" (12.9001)		12	24	24	16	12	24	16	24	24	24	16
11A,D	**103319**	LOCKWASHER, 1/4" (12.9200)		12	24	24	16	12	24	16	24	24	24	16
		1.8310 - VALVE, EXHAUST												
		INCLUDES LOCKS IN 1.8370.												
11C	**5193666**	VALVE KIT (TWO VALVE) (IDENTIFICATION "J")	16											
11B,D	**5149386**	VALVE KIT (FOUR VALVE) (TURBO-INTERCOOLED) (IDENTIFICATION "J6")		24	48								48	
11B,D	**23500501**	VALVE KIT (FOUR VALVE) (NON-TURBO & TURBO) (IDENTIFICATION "U")				48	32	24	48	32	48	48		32

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 217	237	240	255	257	258	259	260	261	262	263	264
		1.8320 - GUIDE, EXHAUST VALVE												
		INSTALLER (PKG.) INCLUDES 100 PIECES												
11C	**5120930**	GUIDE (2 VALVE CYLINDER HEAD)	16											
11B	**5129919**	GUIDE (4 VALVE CYLINDER HEAD)		24	48	48	32	24	48	32	48	48	48	32
	23500480	* SEAL (2 VALVE CYLINDER HEAD)	16											
	8921209	* SEAL (4 VALVE CYLINDER HEAD)		24	48	48	32	24	48	32	48	48	48	32
	5199914	INSTALLER, EXHAUST VALVE SEAL (CLEAR) (2 VALVE)	AR											
	5199913	INSTALLER, EXHAUST VALVE SEAL (GREEN STRIPE) (4 VALVE)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT PART OF CYLINDER HEAD ASSY.												
		1.8330 - INSERT, EXHAUST VALVE												
11C	**5131096**	INSERT (2 VALVE CYLINDER HEAD)	16											
11C	**5198230**	INSERT (.010" O.S.) (2 VALVE CYLINDER HEAD)	AR											
11B	**5101101**	INSERT (STANDARD) (4 VALVE CYLINDER HEAD)		24	48	48	32	24	48	32	48	48	48	32
11B	**5197167**	INSERT (.010" O.S.) (4 VALVE CYLINDER HEAD)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8340 - SPRING, EXHAUST VALVE												
11C	**5150289**	SPRING (2.40" FREE LENGTH, .177" WIRE DIA., 8.75 COILS, R.H. HELIX)	16											
11B,D	**5147347**	SPRING (1.97" FREE LENGTH, .148" WIRE DIA., 8.8 COILS, R.H. HELIX) (SINGLE OR DOUBLE YELLOW STRIPE OR SINGLE YELLOW AND SINGLE BLUE STRIPE)		24	48	48	32	24	48	32	48	48	48	32
		1.8343 - BRIDGE, EXHAUST VALVE												
11B	**5117565**	BRIDGE		12	24	24	16	12	24	16	24	24	24	16
11B	**5129101**	SCREW, 5/16"-24X1" ADJUSTING (1.8340)		12	24	24	16	12	24	16	24	24	24	16
11B	**5151601**	NUT, 5/16"-24 (1.8180)		12	24	24	16	12	24	16	24	24	24	16
		1.8345 - GUIDE, EXHAUST VALVE BRIDGE												
11B	**5117564**	GUIDE (PRESSED-IN TYPE)		12	24	24	16	12	24	16	24	24	24	16
		1.8350 - CAP, EXHAUST VALVE SPRING												
11C	**5150291**	CAP	16											
11B,D	**5117563**	CAP		24	48	48	32	24	48	32	48	48	48	32
		1.8360 - SEAT, EXHAUST VALVE SPRING												
11C	**5150292**	SEAT	16											
11B,D	**5117562**	SEAT		24	48	48	32	24	48	32	48	48	48	32

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

1.8370 - LOCK, EXHAUST VALVE SPRING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 217	237	240	255	257	258	259	260	261	262	263	264
11C	**838029**	LOCK	32											
11B,D	**5111337**	LOCK		48	96	96	64	48	96	64	96	96	96	64

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 265	272	282	300	308
		1.8060 - ARM ASSY., EXHAUST VALVE ROCKER					
		INCLUDES ITEMS IN 1.8100, 1.8120, 1.8130, 1.8140 AND 1.8150.					
11A	**5148472**	ARM ASSY. (LEFT)	6	16	12	6	16
11A	**5148475**	ARM ASSY. (RIGHT)	6	16	12	6	16
		1.8080 - ARM ASSY., INJECTOR ROCKER					
		INCLUDES ITEMS IN 1.8110 THRU 1.8150.					
11A	**8923543**	ARM ASSY.	6	16	12		16
	8923554	ARM ASSY. (UNBUSHED CLEVIS)				6	
		1.8100 - BUSHING, EXHAUST VALVE ROCKER ARM-LARGE					
11A	**5122445**	BUSHING	12	32	24	12	32
		1.8110 - BUSHING, INJECTOR ROCKER ARM-LARGE					
11A	**5150318**	BUSHING	6	16	12	6	16
	8924355	BUSHING, .0015" UNDERSIZED INSIDE DIA.	AR	AR	AR	AR	AR
		1.8120 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL					
11A	**5150311**	BUSHING	18	48	36	12	48
	8924354	BUSHING, .0015" UNDERSIZED INSIDE DIA.	AR	AR	AR	AR	AR
		1.8130 - CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM					
11A	**5150312**	CLEVIS	18	48	36	18	48
		1.8140 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS					
11A	**5123700**	BUSHING	18	48	36	18	48
		1.8150 - PIN, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS					
11A	**5150314**	PIN (PUSH ROD END)	18	48	36	18	48
		1.8160 - SHAFT ASSY., ROCKER					
11A	**5150322**	SHAFT ASSY. (INCLUDES PLUG)	6	16	12	6	16
11A	**5151272**	PLUG, 11/32" DIA. X 1/4"	6	16	12	6	16

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 265	272	282	300	308
		1.8170 - BRACKET, ROCKER SHAFT					
11A	**5103903**	BRACKET	12	32	24	12	32
11A	**5150325**	BOLT	12	32	24	12	32
		1.8180 - ROD, PUSH					
11A	**5128640**	ROD	18	48	36	18	48
11A	**5151601**	LOCKNUT	18	48	36	18	48
		1.8190 - SPRING, PUSH ROD					
11A	**5186858**	SPRING (2 5/8" FREE LENGTH, .177" WIRE DIA., 11 COILS, R.H. HELIX)	18	48	36	18	48
		1.8200 - SEAT, PUSH ROD SPRING-UPPER					
11A	**5150302**	SEAT	18	48	36	18	48
		1.8210 - SEAT, PUSH ROD SPRING-LOWER					
11A	**5123250**	SEAT	18	48	36	18	48
		1.8250 - RETAINER, PUSH ROD					
11A,D	**5150303**	RETAINER (SNAP RING)	18	48	36	18	48
		1.8260 - FOLLOWER ASSY., CAM					
11A,D	**8924439**	FOLLWER ASSY. (INCLUDES ROLLER SET)	18	48	36	18	48
		1.8265 - ROLLER SET, CAM FOLLOWER					
	8923814	ROLLER SET (STANDARD)	18	48	36	18	48
		1.8300 - GUIDE, CAM FOLLOWER					
11A,D	**5106413**	GUIDE	6	16	12	6	16
11A,D	**443603**	BOLT, 1/4"-20X3/4" (12.9001)	12	32	24	12	32
11A,D	**103319**	LOCKWASHER, 1/4" (12.9200)	12	32	24	12	32
		1.8310 - *VALVE, EXHAUST*					
		INCLUDES LOCKS IN 1.8370.					
11B,D	**23500501**	VALVE KIT (FOUR VALVE) (NON-TURBO & TURBO) (IDENTIFICATION "U")	24	64	48		64
11B,D	**5149386**	VALVE KIT (FOUR VALVE) (TURBO) *(IDENTIFICATION "J6")*				24	

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 265	272	282	300	308
		1.8320 - GUIDE, EXHAUST VALVE					
		INSTALLER (PKG.) INCLUDES 100 PIECES.					
11B	**5129919**	GUIDE (4 VALVE CYLINDER HEAD)	24	64	48	24	64
	8921209	* SEAL (4 VALVE CYLINDER HEAD)	24	64	48	24	64
	5199913	INSTALLER EXHAUST VALVE SEAL (GREEN STRIPE) (4 VALVE)	AR	AR	AR	AR	AR
		* NOT PART OF CYLINDER HEAD ASSY.					
		1.8330 - INSERT, EXHAUST VALVE					
11B	**5101101**	INSERT (STANDARD) (4 VALVE CYLINDER HEAD)	24	64	48	24	64
11B	**5197167**	INSERT (.010" O.S.) (4 VALVE CYLINDER HEAD)	AR	AR	AR	AR	AR
		1.8340 - SPRING, EXHAUST VALVE					
11B,D	**5147347**	SPRING 1.97" FREE LENGTH, .148" WIRE DIA., 8.8 COILS, R.H. HELIX (SINGLE OR DOUBLE YELLOW STRIPE OR SINGLE YELLOW AND SINGLE BLUE STRIPE)	24	64	48	24	64
		1.8343 - BRIDGE, EXHAUST VALVE					
11B	**5117565**	BRIDGE	12	32	24	12	32
11B	**5129101**	SCREW, 5/16"-24X1" ADJUSTING (1.8340)	12	32	24	12	32
11B	**5151601**	NUT, 5/16"-24 (1.8180)	12	32	24	12	32
		1.8345 - GUIDE, EXHAUST VALVE BRIDGE					
11B	**5117564**	GUIDE (PRESSED-IN TYPE)	12	32	24	12	32
		1.8350 - CAP, EXHAUST VALVE SPRING					
11B,D	**5117563**	CAP	24	64	48	24	64
		1.8360 - SEAT, EXHAUST VALVE SPRING					
11B,D	**5117562**	SEAT	24	64	48	24	64
		1.8370 - LOCK, EXHAUST VALVE SPRING					
11B,D	**5111337**	LOCK	48	128	96	48	128

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 43	44	45	46	50	51	52	60	67	76	79	81
		1.8450 - COVER ASSY., ROCKER												
12A,B	**5178381**	+ COVER ASSY, 6V PLAIN	1					1	2	2		2		
	5115520	? COVER ASSY, 8V, 16V		3			2				1			1
12A,B	**5115521**	$ COVER ASSY, 12V PLAIN			1	2	2						1	
	5196747	# % COVER ASSY, 6V (ITEM F)	1											
12B	**5196748**	# @ COVER ASSY, 8V, 16V (ITEM F)		1		2								
12B	**5198971**	# * COVER ASSY, 6V (ITEM F)						1						
	5196749	# ≈ COVER ASSY, 12V (ITEM F)			1									
12B	**5129634**	● COVER ASSY, 8V (ITEMS P, F)									1			
12B	**5197133**	# □ COVER ASSY., 12V (ITEM F)											1	
12B	**5148923**	& COVER ASSY, 8V (ITEM I)												1

INCLUDES ITEMS IN 4.5000A TYPE 46.
% NOT SERVICED, USE 5103691 CAST COVER PLUS 1-5149510 KIT AND 1-5103943 STRAINER.
+ NOT SERVICED, USE 5103667 CAST COVER PLUS 1-5149510 KIT.
? NOT SERVICED, USE 5103641 CAST COVER PLUS 1-5149511 KIT.
$ NOT SERVICED, USE 5103744 CAST COVER PLUS 1-5149512 KIT.
● NOT SERVICED, USE 5103573 CAST COVER PLUS 1-5149511 KIT, 1-5149514 KIT.
@ NOT SERVICED. USE 5103591 CAST COVER PLUS 1-5149511 KIT AND 1-5103943 STRAINER.
* NOT SERVICED. USE 5103690 CAST COVER PLUS 1-5149510 KIT AND 1-5103943 STRAINER.
& NOT SERVICED. USE 5103573 CAST COVER PLUS 1-5149511 KIT AND 1-5149515 KIT.
≈ NOT SERVICED. USE 5103738 PLUS 1-5149512 KIT AND 1-5103943 STRAINER.
□ NOT SERVICED. USE 5103739 CAST COVER PLUS 1-5149512 KIT AND 1-5103943 STRAINER.

		1.8455 - GASKET, ROCKER COVER												
12A	**5143405**	GASKET, STAMPED ROCKER COVER 6V	2					2	2	2		2		
12A	**5143406**	GASKET, STAMPED ROCKER COVER 8 & 16V		4			2				2			2
12A	**5143407**	GASKET, STAMPED ROCKER COVER 12V			2	2							2	
		1.8460 - BOLT, ROCKER COVER												
12A	**5157194**	BOLT ASSY., 3/8"-16X2.31" L. SPECIAL	4	8	8	8	4	4	4	4	4	4	8	4
12A	**5150333**	WASHER, 13/32"IDX7/8" OD	4	8	8	8	4	4	4	4	4	4	8	4
12A	**455532**	PIN, 1/8"X1/2" ROLL (12.9275)	4	8	8	8	4	4	4	4	4	4	8	4
		1.8475 - STUD, ROCKER COVER												
	5148504	STUD, 3/8"-16; 4.312" OAL.	4	4	8	8	4	4	4	4	4	4	8	8

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 43	44	45	46	50	51	52	60	67	76	79	81
		1.8500 - LABEL, OPTION AND ACCESSORY NAME												
	8924654	* LABEL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8926241	LAMINATE, PLASTIC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED BY DDA. FOR REPLACEMENT LABEL CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBE R.												

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 83	84	89	90	91	92	93	94	95	96	99
		1.8450 - COVER ASSY., ROCKER											
12A,B	**5178381**	□ COVER ASSY, 6V	1			1					1	1	
12B	**5115520**	± COVER ASSY, 8V, 16V		1			1	2		1			2
12A,B	**5162914**	* COVER ASSY, 8V (L.B.)			1								
12B	**5196747**	# + COVER ASSY, 6V (ITEM F)	1						1				
12B	**5196748**	# = COVER ASSY, 8V (ITEM F)		1									
12A,B	**5162915**	# * COVER ASSY, 8V (R.B.)			1								
12B	**5132549**	& % COVER ASSY, 6V (ITEM D)				1							
12B	**5198969**	# COVER ASSY, 8V (ITEM F)					1						
12B	**5132549**	@ COVER ASSY, 6V (ITEM D)							1				
12B	**5198971**	# ? COVER ASSY, 6V (ITEM F)									1		
12B	**5148872**	¦ COVER ASSY, 6V (ITEMS D & F)										1	
12B	**5148877**	# @ $ COVER ASSY, 8.16V (ITEMS D & F)								1			1
12B	**5132550**	] COVER ASSY, 16V (ITEM D)											1

* OBSOLETE.
\# INCLUDES ITEMS IN 4.5000A TYPE 46.
& INCLUDES ITEMS 4.8000A, TYPE 341.
@ INCLUDES ITEMS IN 4.8000A, TYPE 358.
□ NOT SERVICED, USE 5103667 CAST COVER PLUS 1-5149510 KIT.
± NOT SERVICED, USE 5103641 CAST COVER PLUS 1-5149511.
% NOT SERVICED. USE 5103694 CAST COVER PLUS 1-5149510, 1-5149513.
\+ NOT SERVICED. USE 5103691 CAST COVER PLUS 1-5149510, 1-5103943.
= NOT SERVICED. USE 5103591 CAST COVER PLUS 1-5149511, 1-5103943.
? NOT SERVICED. USE 5103690 CAST COVER PLUS 1-5149510, 1-5108943.
$ NOT SERVICED. USE 5104166 CAST COVER PLUS 1-5149516, 1-5149511, 1-5149513.
¦ NOT SERVICED. USE 5103695 CAST COVER PLUS 1-5149510, 1-5149513, 1-5103943.
] NOT SERVICED. USE 5103572 CAST COVER PLUS 1-5149511, 1-5149513.

		1.8455 - GASKET, ROCKER COVER											
12A	**5143405**	GASKET, STAMPED ROCKER COVER 6V	2			2			2		2	2	
12A	**5143406**	GASKET, STAMPED ROCKER COVER 8 & 16V		2	2		2	2		2			4
		1.8460 - BOLT, ROCKER COVER											
12A	**5157194**	BOLT ASSY., 3/8"-16X2.31" L. SPECIAL	4	4	4	4	4	4	4	4	4	4	8
12A	**5150333**	WASHER, 13/32" ID X 7/8" OD	4	4	4	4	4	4	4	4	4	4	8
12A	**455532**	PIN, 1/8"X1/2" ROLL (12.9275)	4	4	4	4	4	4	4	4	4	4	8
		1.8475 - STUD, ROCKER COVER											
	5148504	STUD, 3/8"-16; 4.312" OAL.	4	4	4	4	4	4	4	4	4	8	8

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 83	84	89	90	91	92	93	94	95	96	99
		1.8500 - LABEL, OPTION & ACCESSORY NAME											
	8924654	* LABEL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8926241	LAMINATE, PLASTIC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED BY DDA. FOR REPLACEMENT LABEL CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBE R.											

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1.8000A ROCKER COVER

1.8450 - COVER ASSY., ROCKER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 100	101	102	111	113	117	123	124	126	128	129	133
12B	**5148876**	* COVER ASSY, 8V (ITEM O)	1											
12B	**5115520**	± COVER ASSY, 8V, 16V	1	1			1	1				2		
12B	**5132448**	@ COVER ASSY, 8V (ITEMS D & F)		1										
12B	**5196748**	• COVER ASSY, 8, 16V (ITEM F)			1		1					1		
12B	**5132550**	+ + COVER ASSY, 8, 16V (ITEM D)			1		1					1		
12B	**5196749**	• ▪ COVER ASSY, 12V (ITEM E)				1							1	
12B	**5115521**	□ COVER ASSY, 12V PLAIN				1								
12A,B	**5133209**	$ & COVER ASSY, 16V (ITEMS D & F)					1							
12B	**5135673**	% COVER ASSY, 8V (ITEM D)						1						
12B	**5178381**	% % COVER ASSY, 6V							1	1				
12B	**5137266**	+ COVER ASSY, 6V							1					
12A,B	**5196971**	# COVER ASSY, 6V (ITEM F)								1				
12B	**5145720**	= COVER ASSY, 8V (JACOBS BRAKE)									2			
12B	**5132551**	& COVER ASSY, 12V (ITEM D)											1	1
12B	**5198961**	□ □ COVER ASSY, 12V (ITEMS D & F)												1

* NOT SERVICED USE 5103668 CAST COVER PLUS 1-5149511 KIT AND 1-5106064, 1-5106030 AND 2-5106121. INCLUDES S TRAINER IN 4.5020.

@ NOT SERVICED USE 5103574 CAST COVER PLUS 1-5149511 AND 1-5103943. INCLUDES ITEMS IN 4.5000A TYPE 73.

NOT SERVICED USE 5103690 CAST COVER PLUS 1-5149510 AND 1-5103943. INCLUDES ITEMS IN 4.5000A TYPE 46.

& NOT SERVICED USE 5103798 CAST COVER PLUS 1-5149512, 1-5149513. INCLUDES ITEMS IN 4.5000A TYPE 46.

% NOT SERVICED USE 5103574 CAST COVER PLUS 1-5149511 AND 1-5103943. INCLUDES ITEMS IN 4.5000A TYPE 63.

%% NOT SERVICED. USE 5103572 CAST COVER PLUS 1-5149511, 1-5149513.

\+ NOT SERVICED USE 5103691 CAST COVER PLUS 1-5149510 AND 1-5103943, INCLUDES ITEMS IN 4.5000A TYPE 71.

± NOT SERVICED USE 5103641 CAST COVER PLUS 1-5149511 KIT. .

++ NOT SERVICED USE 5103572 CAST COVER PLUS 1-5149511, 1-5149513. INCLUDES ITEMS IN 4.8000A TYPE 358.

= NOT SERVICED USE 5103977 CAST COVER PLUS 1-5104081, 2-5104514, 2-5104515, 2-5106857, 4-145382.

$ NOT SERVICED. USE 5103591 CAST COVER PLUS 1-5149511, 1-5103943. INCLUDES ITEMS IN 4.5000A TYPE 46.

• NOT SERVICED. USE 5104166 CAST COVER PLUS 1-5149516, 1-5149511, 1-5149513. INCLUDES ITEMS IN 4.5000A TYPE 46.

▪▪ NOT SERVICED. USE 5103738 CAST COVER PLUS 1-5149512 AND 1-5103943. INCLUDES ITEMS IN 4.5000A TYPE 46.

□□ NOT SERVICED. USE 5103801 CAST COVER PLUS 1-5149512, 1-5149513, 1-5103943 AND INCLUDES ITEMS IN 4.5000A TYPE 46 AND 4.8000A TYPE 358.

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 100	101	102	111	113	117	123	124	126	128	129	133
		1.8450 - COVER ASSY., ROCKER												
		1.8455 - GASKET, ROCKER COVER												
12A	**5143406**	GASKET, STAMPED ROCKER COVER 8 & 16V	2	2	2		4	2			2	4		
12A	**5143407**	GASKET, STAMPED ROCKER COVER 12V				2							2	2
12A	**5143405**	GASKET, STAMPED ROCKER COVER 6V							2	2				
		1.8460 - BOLT, ROCKER COVER												
12A	**5157194**	BOLT ASSY., 3/8"-16X2.31" L. SPECIAL	4	4	4	8	8	4	4	4		8	8	8
12A	**5175156**	BOLT ASSY., 3/8"-16X3.94" L. SPECIAL									4			
12A	**455532**	PIN, 1/8"X1/2" ROLL (12.9275)	4	4	4	8	8	4	4	4	4	8	8	8
12A	**5150333**	WASHER, 13/32" ID X 7/8" OD	4	4	4	8	8	4	4	4	4	8	8	8
		1.8475 - STUD, ROCKER COVER												
	5148504	STUD, 3/8"-16; 4.312" OAL.	4	4	4	8	8	4	4	4	4	8	8	8
		1.8500 - LABEL, OPTION AND ACCESSORY NAME												
	8924654	* LABEL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8926241	LAMINATE, PLASTIC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 136	137	138	139	143	146	150	151	161	166	168
		1.8450 - COVER ASSY., ROCKER											
12B	**5115520**	□ COVER ASSY, 8V-16V			1							2	
12B	**5132550**	□ □ COVER ASSY, 8, 16V (ITEM D)			1							2	
12B	**5115521**	[COVER ASSY, 12V PLAIN						1		1			1
12B	**5178381**	] COVER ASSY., 6V PLAIN									1		
12A,B	**5198971**	= COVER ASSY, 6V (ITEM F)									1		
12B	**5132551**	? COVER ASSY, 12V (ITEM D)					1		1				
12B	**5198961**	& COVER ASSY, 12V (ITEMS D, F)								1			
12B	**5145691**	+ COVER ASSY, 8V (ITEM F)	1										
	5145720	# COVER ASSY, 8V (PLAIN-JACOBS BRAKE)	1										
12B	**5138814**	% COVER ASSY, 6V PLAIN		2									
12A	**5140155**	% % COVER ASSY, 8V (ITEM L)				1							
12B	**5103574**	COVER ASSY, 8V (ITEMS D, F)				1			1				
12B	**5198963**	* COVER ASSY, 12V (ITEMS D, F)					1						
12B	**5197133**	* * COVER ASSY, 12V (ITEM C)						1					
12A,B	**5148873**	[[COVER ASSY, 12V (ITEM F)											1

□ NOT SERVICED. USE 5103641 CAST COVER PLUS 1-5149511 KIT.

□□ NOT SERVICED. USE 5103572 CAST COVER PLUS 1-5149511 & 1-5149513 KITS.

% NOT SERVICED, USE (1) EACH OF 5104092, 5104018 AND (2) EACH 5104020, 5104514, 5104515, 5106857 PLUS (4) E ACH OF 145382.

* NOT SERVICED. USE 5103800 CAST COVER PLUS 1-5149512, 1-5149513 AND 1-5103943. USE WITH ITEMS IN 4.5000A T YPE 46.

+ NOT SERVICED. USE 5103980 PLUS 1-5104081, 2-5104020, 2-5104514, 2-5104515, 2-5106857, 4-145382, 1-5104406 , 5106030, 2-5106121. ALSO INCLUDE 1-5117362 CAP AND 1-5146248 HOOK.

[[NOT SERVICED. USE 5103737 PLUS 1-5149512 KIT & 1-5103943 STRAINER.

] NOT SERVICED. USE 5103667 CAST COVER PLUS 1-5149510 KIT.

%% NOT SERVICED. USE 5103578 CAST COVER PLUS 1-5149511 & 1-5149513.

NOT SERVICED, USE (1) EACH OF 5103977, 5104081, AND (2) EACH OF 5104020, 5104514, 5104515, 5106857 PLUS (4) 145382.

= NOT SERVICED, USE 5103690 CAST COVER PLUS 1-5149510, 1-5103943. INCLUDES ITEMS IN 4.5000A TYPE 46.

& NOT SERVICED, USE 5103801 CAST COVER PLUS 1-5149512, 1-5149513, 1-5103943. INCLUDES ITEMS IN 4.5000A TYPE 46, AND 4.8000A TYPE 358.

? NOT SERVICED, USE 5103798 CAST COVER PLUS 1-5149512, 1-5149513. INCLUDES ITEMS IN 4.8000A TYPE 358.

[NOT SERVICED. USE 5103744 PLUS 1-5149512 KIT.

** NOT SERVICED. USE 5103739 PLUS 1-5149512 KIT & 1-5103943 STRAINER.

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 136	137	138	139	143	146	150	151	161	166	168
		1.8455 - GASKET, ROCKER COVER											
12A	**5143406**	GASKET, STAMPED ROCKER COVER 8 & 16V	2		2	2			2				4
12A	**5143407**	GASKET, STAMPED ROCKER COVER 12V					2	2		2	2		
12A	**5143405**	GASKET, STAMPED ROCKER COVER 6V		2								2	
		1.8460 - BOLT, ROCKER COVER											
12A	**5157194**	BOLT ASSY., 3/8"-16X2.31" L. SPECIAL			4	4	8	8	4	8	4	4	8
12A	**5175156**	BOLT ASSY., 3/8"-16X3.94" L. SPECIAL	4	4									
12A	**455532**	PIN, 1/8"X1/2" ROLL (12.9275)	4	4	4	4	8	8	4	8	4	4	8
12A	**5150333**	WASHER, 13/32"X7/8" OD	4	4	4	4	8	8	4	8	4	4	8
		1.8475 - STUD, ROCKER COVER											
	5148504	STUD, 3/8"-16; 4.312" OAL.	4	4	4	4	8	8	4	8	4	4	8
		1.8500 - LABEL, OPTION AND ACCESSORY NAME											
	8924654	* LABEL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8926241	LAMINATE, PLASTIC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 169	173	182	188	197	206	213	221	223	225	237
		1.8450 - COVER ASSY., ROCKER											
12B	**5115521**	□ COVER ASSY, 12V PLAIN	1				1						
12A,B	**5138272**	@ $ COVER ASSY, 12V (ITEM F)	1										
12B	**5132550**	# ± COVER ASSY, 8, 16V (ITEM D)		1	1	3		1					1
12B	**5196748**	@ % COVER ASSY, 8, 16V (ITEM F)		1		1							
12B	**5140317**	@ # COVER ASSY, 8, 16V (ITEMS D, F)			1					1			1
12B	**5198961**	@ @ COVER ASSY, 12V (ITEMS D, F)					1						
12B	**5198967**	@ # ▪ COVER ASSY, 8, 12V (ITEMS D, F)						1	1				
12B	**5145495**	COVER ASSY, 8V (ITEMS D, E, I)							1				
12B	**5199414**	# & COVER ASSY, 8V (ITEMS D, L)								1			
12B	**5146316**	@ # * COVER ASSY, 6V (ITEMS D, F)									1	1	
12B	**5132549**	# + COVER ASSY, 6V (ITEM D)									1		
12B	**5146321**	= COVER ASSY, 6V (ITEM L)										1	
		1.8455 - GASKET, ROCKER COVER											
12A	**5143407**	GASKET, STAMPED ROCKER COVER 8 & 16V	2				2						
12A	**5143406**	GASKET, STAMPED ROCKER COVER 12V		2	2	4		2	2	2			2
12A	**5143405**	GASKET, STAMPED ROCKER COVER 6V									2	2	
		1.8460 - BOLT, ROCKER COVER											
12A	**5157194**	BOLT ASSY., 3/8"-16X2.31" L. SPECIAL	8	4	4	8	8	4	4	4	4	4	4
12A	**455532**	PIN, 1/8"X1/2" ROLL (12.9275)	8	4	4	8	8	4	4	4	4	4	4
12A	**5150333**	WASHER, 13/32" ID X 7/8" OD	8	4	4	8	8	4	4	4	4	4	4

□ *NOT SERVICED, USE 5103744 CAST COVER, PLUS 1-5149512.*

$ NOT SERVICED, USE 5103737 CAST COVER PLUS 1-5149512 AND 1-5103942.

± NOT SERVICED, USE 5103572 CAST COVER PLUS 1-5149511 AND 1-5149513.

INCLUDES ITEMS IN 4.8000A, TYPE 358.

@ INCLUDES ITEMS IN 4.5000A, TYPE 46.

@@ NOT SERVICED, USE 5103801 CAST COVER PLUS 1-5149512, 1-5149513, 1-5103943, INCLUDES ITEMS IN 4.5000A TYP E 46, 4.8000A TYPE 358.

% NOT SERVICED. USE 5103591 CAST COVER PLUS 1-5149511, 1-5103943.

& NOT SERVICED. USE 5103576 CAST COVER PLUS 1 EACH OF 5149511, 5149513, 5106229 AND 5106912.

* NOT SERVICED. USE 5103695 CAST COVER PLUS 1-5149510, 1-5149513, 1-5103943.

+ NOT SERVICED. USE 5103694 CAST COVER PLUS 1-5149510, 1-5149513.

= NOT SERVICED. USE 5103696 CAST COVER PLUS 1-5149510, 1-5106229, 1-5106912, 1-5154538 AND 9403294.

| NOT SERVICED. USE 5103575 CAST COVER PLUS 1-5149511, 1-5149513, 1-5103943, 1-5106229, 1-5106912, 5154538 AND 9403294.

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 169	173	182	188	197	206	213	221	223	225	237
		1.8475 - STUD, ROCKER COVER											
	5148504	STUD, 3/8"-16; 4.312" OAL	8	4	4	8	8	4	4	4	4	4	4
		1.8500 - LABEL, OPTION & ACCESSORY NAME											
	8924654	* LABEL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8926241	LAMINATE, PLASTIC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED BY DDA. FOR REPLACEMENT LABEL CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBE R.											

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 266	267	268	276	277	278	282	284	291	300	314	330	331	332
		1.8450 - COVER ASSY., ROCKER														
12A,C	**5132550**	# ++ COVER ASSY, 16V (ITEM D)							1		2					
12A,C	**5148878**	* # COVER ASSY, 16V (ITEMS D, F)					2		1				1			
12A	**5104091**	# @ COVER ASSY, 8V PLAIN											1			
12A,C	**5198961**	* # COVER ASSY, 12V (ITEMS D, F)				1										
12B	**5103691**	COVER, 6V CAST												1		1
12B	**5103667**	COVER, 6V CAST												1	1	
12B	**5103690**	COVER, 6V CAST													1	
12B	**5103694**	COVER, 6V CAST														1
12A,C	**5146316**	* % COVER ASSY, 6V (ITEMS D, F)								1						
12A,C	**5132549**	# & COVER ASSY, 6V (ITEM D)	1													
12A	**5146321**	COVER ASSY, 16V WITH TURBO DRAIN						1								
12A	**5115520**	□ COVER ASSY, 8V PLAIN		1					2		1					
12A,C	**5148575**	* COVER ASSY, 8V (ITEM F)		1												
12A	**5148525**	□ □ COVER ASSY, 6V WITH TURBO DRAIN	1													
12A,C	**5148875**	# ± COVER ASSY, 12V (ITEM D)				1										
12A	**5148872**	• " COVER ASSY., 6V			1											
12A	**5148525**	[COVER ASSY., 6V			1											
12A,C	**5148877**	* = COVER ASSY, 16V (ITEMS D, F)									1					
12A,C	**5100552**	* $ # COVER ASSY, 16V (ITEMS D, F)						1								
12A,C	**5196748**	& • COVER ASSY, 16V (ITEM F)										4				
12A	**5178381**	COVER ASSY, 6V PLAIN								1						

INCLUDES ITEMS IN 4.8000A, TYPE 358.

@ NOT SERVICED. USE 5103581 CAST COVER PLUS 1-5149511 AND 1-5149513.

• INCLUDES BREATHER BODY, OIL FILLER TUBE, STRAINER AND CHAIN.

• NOT SERVICED, USE 1-5103695, 1-5149510 RKR. CVR. KIT, 1-5149513 BREATHER KIT & 1-5103943.

□ NOT SERVICED. USE 5103641 CAST COVER PLUS 1-5149511.

[NOT SERVICED, USE 1-5103697, 1-5149510, 1-5106229, 1-5106912, 1-5154538, 1-9403294.

± NOT SERVICED. USE 5103802 CAST COVER PLUS 1-5149512 AND 1-5149513.

□□ NOT SERVICED. USE 5103697 CAST COVER PLUS 1-5149510, 1-5106229, 1-5106912, 1-5154538 AND 1-9403294.

$ NOT SERVICED. USE 5106050 CAST COVER PLUS 1-5149510, 1-5149513, 1-5103943, 1-5106912, 1-5106229.

$$ NOT SERVICED. USE 5103667 CAST COVER PLUS 1-5149510.

* INCLUDES ITEMS IN 4.5000A, TYPE 46.

& USE WITH ITEMS IN 4.5000A, TYPE 123.

++ NOT SERVICED. USE 5103572 CAST COVER PLUS 1-5149511 and 1-5149513.

% NOT SERVICED. USE 5103695 CAST COVER PLUS 1-5149510, 1-5149513, 1-5103953.

+ NOT SERVICED. USE 5103694 CAST COVER PLUS 1-5149510, 1-5149513.

= NOT SERVICED. USE 5104166 CAST COVER PLUS 1-5149511, 1-5149513, 1-5149516.

! NOT SERVICED. USE 5103591 CAST COVER PLUS 1-5149511, 1-5103943.

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 266	267	268	276	277	278	282	284	291	300	314	330	331	332
	1.8451	**- INSTALLATION KIT, CAST ROCKER COVER**														
		A KIT INCLUDES ITEMS IN 1.8455, 1.8460, 1.8461 AND 1.8502.														
	5149510	KIT, 6V, ONE BANK												AR	AR	AR
	1.8455	**- GASKET, ROCKER COVER**														
12A	**5143407**	GASKET, STAMPED ROCKER COVER 12V				2										
12A	**5143406**	GASKET, STAMPED ROCKER COVER 8 & 16V		2			2		4		4	4	2			
12B	**5104018**	GASKET, 6V CAST ROCKER COVER												2	2	2
12A	**5143405**	GASKET, STAMPED ROCKER COVER 6V	2		2			2		2						
	1.8460	**- BOLT, ROCKER COVER**														
12A	**5157194**	BOLT ASSY., 3/8"-16X2.31" L. SPECIAL	4	4	4	8	4	4	8	4	8	8	4			
12B	**5104015**	BOLT, 3/8"-16X6.57" L. SPECIAL												4	4	4
12A	**455532**	PIN, 1/8"X1/2" ROLL (12.9275)	4	4	4	8	4	4	8	4	8	8	4			
12A	**5150333**	WASHER, 13/32" ID X 7/8" OD	4	4	4	8	4	4	8	4	8	8	4			
12B	**5104514**	WASHER, 15/32" ID X 2" OD X .194" W. SPECIAL												4	4	4
	1.8461	**- ISOLATOR, ROCKER COVER BOLT**														
12B	**5104515**	ISOLATOR (CAST ROCKER COVER)												4	4	4
	1.8475	**- STUD, ROCKER COVER**														
	5148504	STUD, 3/8"-16; 4.312" OAL.	4	4	4	8	4	4	8	4	8	8	4			
	1.8500	**- LABEL, OPTION & ACCESSORY NAME**														
	8924654	* LABEL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8926241	LAMINATE, PLASTIC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED BY DDA. FOR REPLACEMENT LABEL CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBE R.														
	1.8502	**- RETAINER, ROCKER COVER NAME PLATE**														
	8927232	* RETAINER												2	2	2
	145382	SCREW, #8X3/8" DRIVE (12.9067)												4	4	4
		* OBSOLETE-NO REPLACEMENT.														

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 333	336	337	338	339	340	341	342	344	346	347	348	351	352
		1.8450 - COVER ASSY., ROCKER														
12B	5103667	COVER, CAST 6V	2						1							
12B	5103695	COVER, CAST 6V		1	1		1		1							
12B	5103696	COVER, CAST 6V		1		1				1						
12B	5103694	COVER, CAST 6V			1	1		1			1					
12B	5103692	+ COVER, CAST 6V (8920854)									1					
12B	5103697	COVER, CAST 6V					1	1								
12B	5106050	COVER, CAST 6V								1						
12B	5103591	COVER, CAST 8V										1				1
12B	5103641	COVER, CAST 8V										1	2		1	
12B	5103574	COVER, CAST 8V												1	1	
12B	5103578	COVER, CAST 8V												1		
12B	5103572	COVER, CAST 8V														1
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.														
		1.8451 - INSTALLATION KIT, CAST ROCKER COVER														
		A KIT INCLUDES ITEMS IN 1.8455, *1.8460, 1.8461 AND 1.8502.*														
	5149511	KIT, 8V, ONE BANK										AR	AR	AR	AR	AR
	5149510	KIT, 6V, ONE BANK	AR	AR	AR	AR	AR	AR	AR	AR	AR					
		1.8455 - GASKET, ROCKER COVER														
12B	5104018	GASKET, 6V (CAST ROCKER COVER)	2	2	2	2	2	2	2	2	2					
12B	5104081	GASKET, 8V (CAST ROCKER COVER)										2	2	2	2	2
		1.8460 - BOLT, ROCKER COVER														
12B	5104015	BOLT, 3/8"-16X6.57" L. SPECIAL	4	4	4	4	4	4	4	4	4	4	4	4	4	4
12B	5104514	WASHER, 15/32"IDX2"ODX.194" W. SPECIAL	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		1.8461 - ISOLATOR, ROCKER COVER BOLT														
12B	5104515	ISOLATOR (CAST ROCKER COVER)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		1.8500 - LABEL, OPTION & ACCESSORY NAME														
	8924654	* LABEL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8926241	LAMINATE, PLASTIC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED BY DDA. FOR REPLACEMENT LABEL CONTACT YOUR LOCAL DISTRIBUTOR & PROVIDE ENGINE SERIAL NUMBER.														
		1.8502 - RETAINER, ROCKER COVER NAME PLATE														
	8927233	* RETAINER	2	2	2	2	2	2	2	2		2	2	2	2	2
	8927232	* RETAINER									2					
	145382	SCREW, #8X3/8" DRIVE (12.9067)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		* OBSOLETE-NO REPLACEMENT.														

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 353	354	357	358	359	365	374	375	376	377	378	379	380
		1.8450 - COVER ASSY., ROCKER													
12B	5103575	COVER, CAST 8V	1		1										
12B	5103572	COVER, CAST 8V	1		1										
12B	5103590	COVER, CAST 8V		1											
12B	5103641	COVER, CAST 8V-16V		1											
12B	5103576	COVER, CAST 8V					1								
12B	5103574	COVER, CAST 8V			1		1	2							
12B	5103577	COVER, CAST 8V				1									
12B	5103744	COVER, CAST 12V							1	2	1				
12B	5103738	COVER, CAST 12V							1			1			
12B	5103739	COVER, CAST 12V									1				
12B	5103798	COVER, CAST 12V										1	1	2	1
12B	5103801	COVER, CAST 12V											1		
12B	5103800	COVER, CAST 12V													1
		1.8451 - INSTALLATION KIT, CAST ROCKER COVER													
		A KIT INCLUDES ITEMS IN 1.8455, 1.8460, 1.8461 AND 1.8502.													
	5149512	KIT, 12V, ONE BANK							AR	AR	AR	AR	AR	AR	AR
	5149511	KIT, 8V, 16V ONE BANK	AR	AR	AR	AR	AR	AR							
		1.8455 - GASKET, ROCKER COVER													
12B	5104081	GASKET, 8V (CAST ROCKER COVER)	2	2	2	2	2	2							
12B	5104019	GASKET, 12V (CAST ROCKER COVER)							2	2	2	2	2	2	2
		1.8460 - BOLT, ROCKER COVER													
12B	5104015	BOLT, 3/8"-16X6.57" L. SPECIAL	4	4	4	4	4	4	8	8	8	8	8	8	8
12B	5104514	WASHER, 15/32" ID X 2" OD X .194" W. SPECIAL	4	4	4	4	4	4	8	8	8	8	8	8	8
		1.8461 - ISOLATOR, ROCKER COVER BOLT													
12B	5104515	ISOLATOR (CAST ROCKER COVER)	4	4	4	4	4	4	8	8	8	8	8	8	8
		1.8500 - LABEL, OPTION & ACCESSORY NAME													
	8924654	* LABEL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8926241	LAMINATE, PLASTIC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED BY DDA. FOR REPLACEMENT LABEL CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBE R.													
		1.8502 - RETAINER, ROCKER COVER NAME PLATE													
	8927232	* RETAINER	2	2	2	2	2	2							
	8927233	* RETAINER							2	2	2	2	2	2	2
	145382	SCREW, #8X3/8" DRIVE (12.9067)	4	4	4	4	4	4	4	4	4	4	4	4	4
		* OBSOLETE-NO REPLACEMENT.													

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 381	382	383	384	385	387	388	391	397	398	399	400	401	405
		1.8450 - COVER ASSY., ROCKER														
12B	**5103744**	COVER, CAST 12V	1	1												
12B	**5103737**	COVER, CAST 12V	1													
12B	**5103801**	COVER, CAST 12V		1	1											
12B	**5103802**	COVER, CAST 12V			1											
12B	**5103581**	COVER, CAST 8V									1					1
12B	**5101035**	COVER, CAST 8V														1
12B	**5103641**	COVER, CAST 8V-16V				3	2	2	1			1	2	2	2	
12B	**5103591**	COVER, CAST 8V-16V				1								1	2	
12B	**5103572**	COVER, CAST 8V-16V					1	1	2			1	1	1		
12B	**5104166**	COVER, CAST 8V-16V					1		1			1	1			
12B	**5103574**	COVER, CAST 8V-16V						1				1				
12B	**5103979**	COVER, CAST 8V J-BRAKE								1						
12B	**5103977**	COVER, CAST 8V								1						
12B	**5103574**	COVER, CAST 16V									1					
		1.8451 - INSTALLATION KIT, CAST ROCKER COVER														
		A KIT INCLUDES ITEMS IN 1.8455, 1.8460, 1.8461 AND 1.8502.														
	5149511	KIT, 8V, 16V ONE BANK				AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
	5149512	KIT, 12V, ONE BANK	AR	AR	AR											
		1.8455 - GASKET, ROCKER COVER														
12B	**5104019**	GASKET, 12V (CAST ROCKER COVER)	2	2	2											
12B	**5104081**	GASKET, 8 & 16V (CAST ROCKER COVER)				4	4	4	4	2	2	4	4	4	4	2
		1.8460 - BOLT, ROCKER COVER														
12B	**5104015**	BOLT, 3/8"-16X6.57" L. SPECIAL	8	8	8	8	8	8	8		4	8	8	8	8	4
12B	**5104020**	BOLT, 3/8"-16X8.53" L. SPECIAL								4						
12B	**5150333**	WASHER, 13/32" ID X 7/8" OD														4
12B	**5104514**	WASHER, 15/32" ID X 2" OD X .194" W. SPECIAL	8	8	8	8	8	8	8	4	4	8	8	8	8	
		1.8461 - ISOLATOR, ROCKER COVER BOLT														
12B	**5104515**	ISOLATOR (CAST ROCKER COVER)	8	8	8	8	8	8	8	4	4	8	8	8	8	
		1.8500 - LABEL, OPTION AND ACCESSORY NAME														
	8924654	* LABEL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8926241	LAMINATE, PLASTIC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED BY DDA. FOR REPLACEMENT LABEL CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBE R.														
		1.8502 - RETAINER, ROCKER COVER NAME PLATE														
	8927232	* RETAINER	2			2	2	2	2	2	2	2	2	2	2	
	8927233	* RETAINER		2	2											
	145382	SCREW, #8X3/8" DRIVE (12.9067)	4	4	4	4	4	4	4	4	4	4	4	4	4	
		* OBSOLETE-NO REPLACEMENT.														

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4061	4081	4144	4393	4833
		1.8450 - COVER ASSY., ROCKER					
12B	**5104770**	* COVER CAST 6V	1				
12B	**5103802**	COVER CAST 12V				1	
12B	**5103695**	COVER CAST 6V	1				
12B	**5103799**	COVER CAST 12V				1	
12B	**5106852**	COVER CAST 12V			1		
12B	**5103581**	COVER CAST 8V		1			
12B	**5101035**	COVER CAST 8V		1			
12B	**5106853**	COVER CAST 12V			1		
12B	**5103801**	COVER CAST 12V					2
		* NOT SERVICED, USE 5101034 CAST COVER PLUS 1-5149510 AND 1-5149513.					
		1.8451 - INSTALLATION KIT, CAST ROCKER COVER					
	5149510	KIT, 6V, ONE BANK	AR				
	5149511	KIT, 8V, 16V ONE BANK		AR			
	5149512	KIT, 12V, ONE BANK			AR	AR	AR
		1.8455 - GASKET, ROCKER COVER					
12B	**5104018**	GASKET, 16V (CAST ROCKER COVER)	2				
12B	**5104081**	GASKET, 8V (CAST ROCKER COVER)		2			
12B	**5104019**	GASKET, 12V (CAST ROCKER COVER)			2	2	2
		1.8460 - BOLT, ROCKER COVER					
	5148504	STUD, 3/8"-16; 4.312" OAL.	4				
12B	**5157194**	BOLT ASSY., 3/8"-16X2.31" L. SPECIAL	4				
12B	**5104015**	BOLT, 3/8"-16X6.57" L. SPECIAL		4	8	8	8
12B	**5150333**	WASHER, 13/32" ID X 7/8" OD	4				
12B	**5104514**	WASHER, 15/32" ID X 2" OD X .194" W. SPECIAL		4	8	8	
	455532	PIN, 1/8" X 1/2" ROLL (12.9275)	4				
		1.8461 - ISOLATOR, ROCKER COVER BOLT					
12B	**5104515**	ISOLATOR (CAST ROCKER COVER)		4	8	8	8
		1.8500 - LABEL, OPTION & ACCESSORY NAME					
	8924654	* LABEL	AR	AR	AR	AR	AR
	8926241	LAMINATE, PLASTIC	AR	AR	AR	AR	AR
		* NOT SERVICED BY DDA. FOR REPLACEMENT LABEL CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBE R.					
		1.8502 - RETAINER, ROCKER COVER NAME PLATE					
	8927232	* RETAINER	2	2	2	2	2
	145382	SCREW, #8X3/8" DRIVE (12.9067)	4	4	4	4	4
		* OBSOLETE-NO REPLACEMENT.					

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A *Balance Weight Cover*
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- **2.1000A Fuel Injector**
- **2.1000B Electronic Injector Controls**
- **2.2000 Fuel Pump**
- ***2.2000A Fuel Pump Drain***
- **2.3000A Fuel Filter and Strainer**
- **2.3000A Fuel Filter and Strainer (Twin and Quad)**
- **2.4000 Fuel Manifold and/or Connections**
- **2.4000A Dual Fuel System**
- **2.5000A Fuel Lines and Fuel Cooler**
- **2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)**
- **2.6000A Fuel Tank**
- **2.6000B Electric Governor**
- ***2.7000A Mechanical Governor***
- **2.8000A Hydraulic Governor**
- **2.9000 Injector Controls**
- **2.9000 Injector Controls (Twin and Quad)**
- **2.9000A Throttle Controls**
- **2.9000A Throttle Controls (Twin and Quad)**

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A *Air Silencer*
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Blcer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

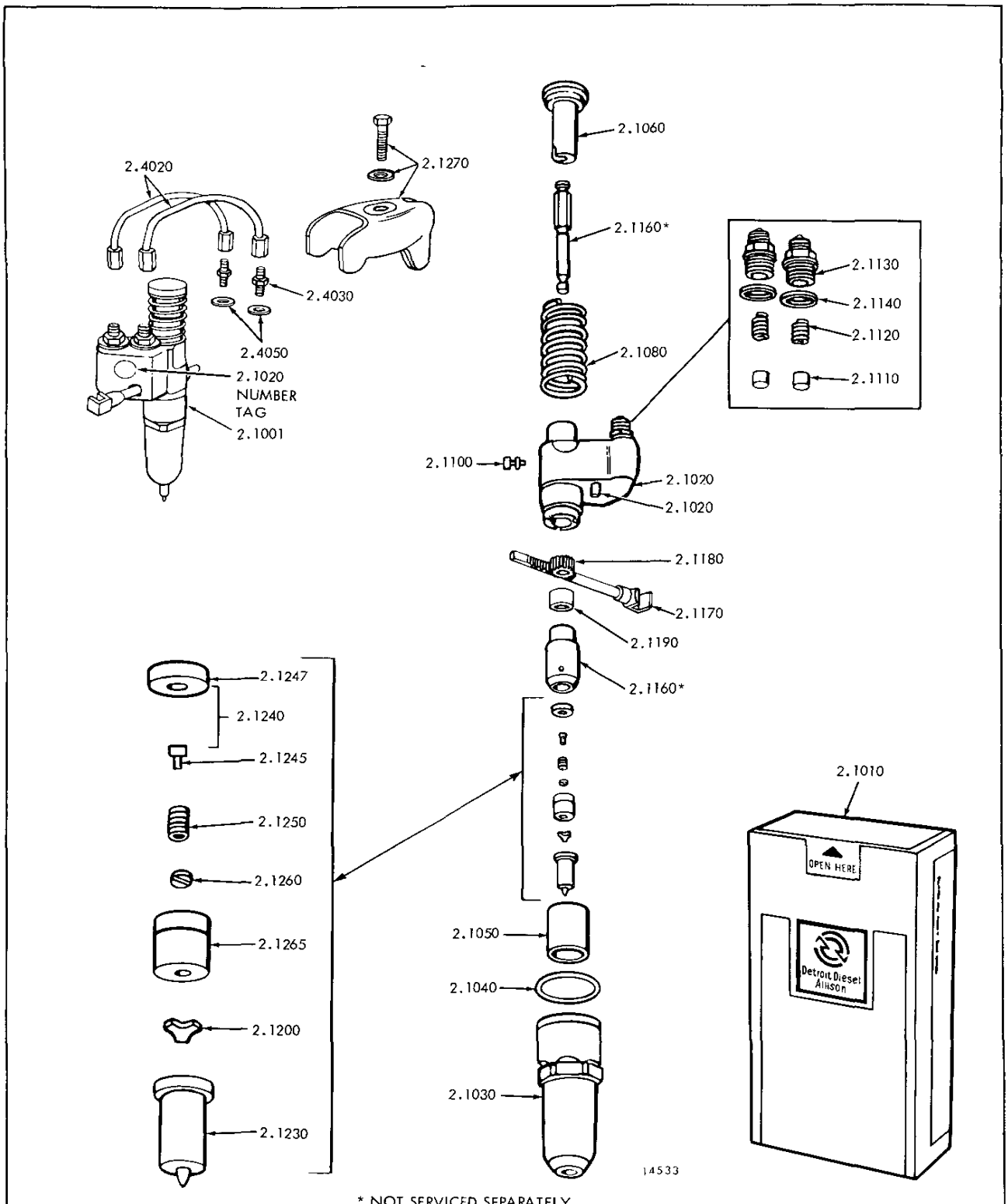
8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 *ENGINE MOUNTING*
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts



* NOT SERVICED SEPARATELY

FUEL INJECTOR

FIG. 1A of 2.0000

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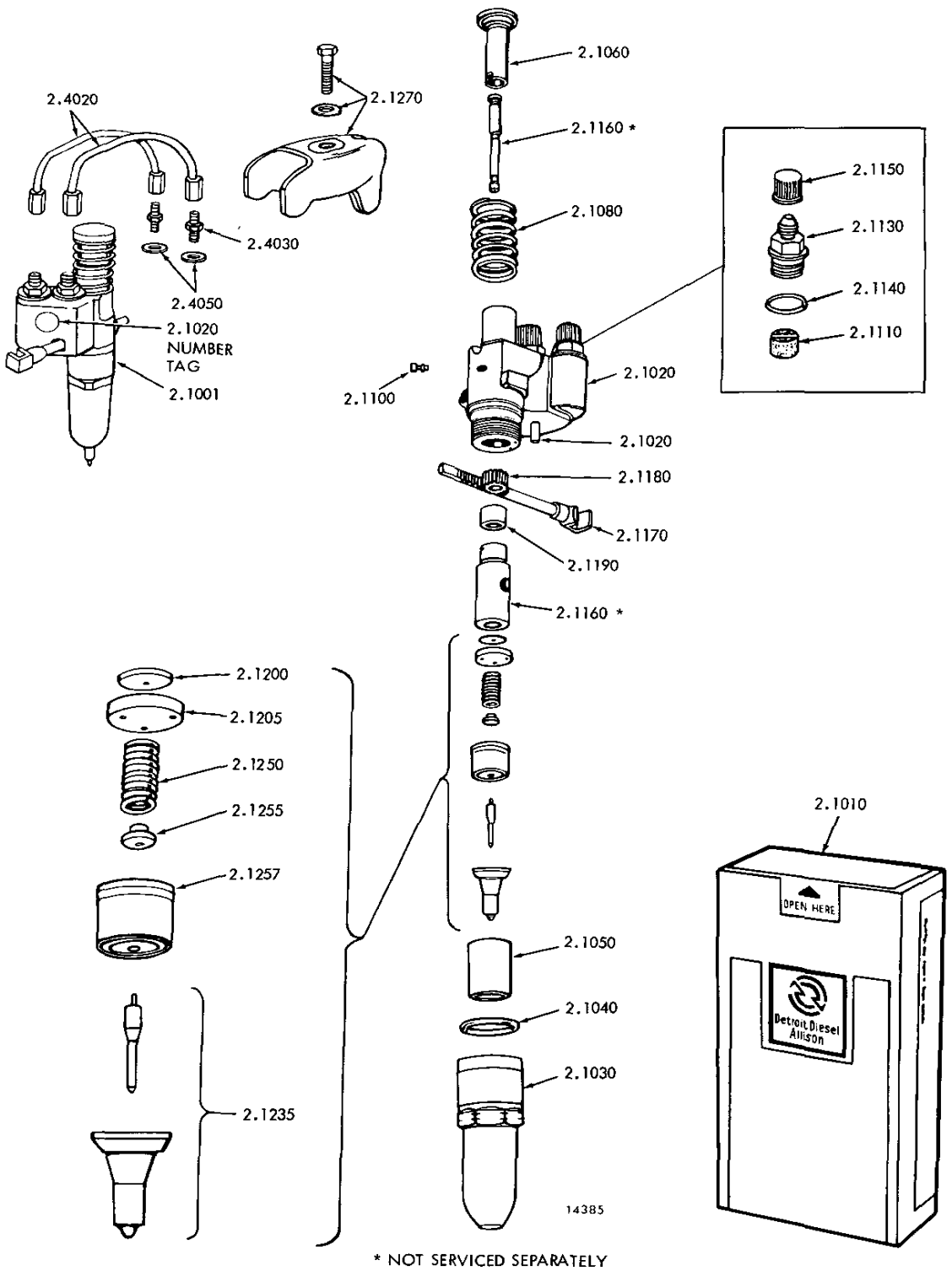

* NOT SERVICED SEPARATELY

FUEL INJECTOR

FIG. 1B of 2.0000

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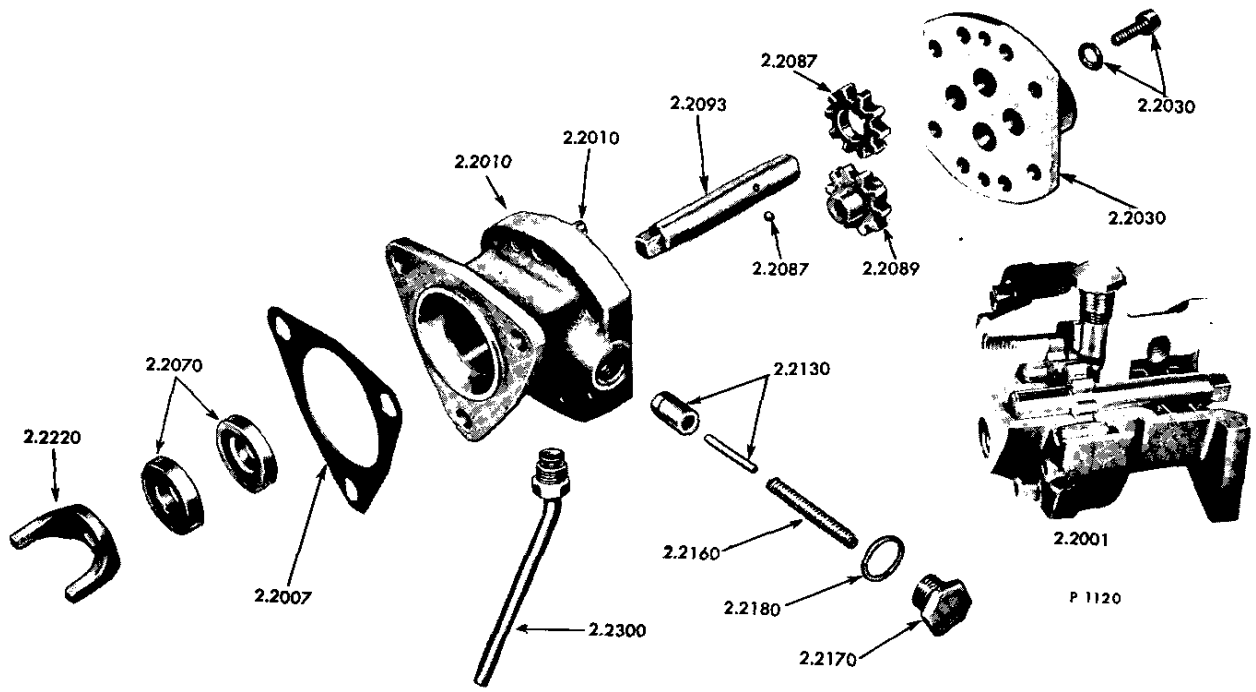

FIG. 2A FUEL PUMP

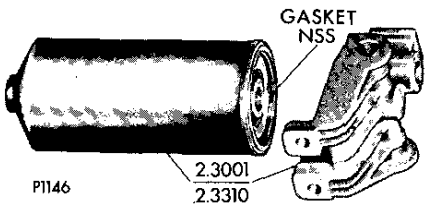

FIG. 2B FUEL STRAINER, FUEL FILTER (Spin-On)

Figs. 2A & 2B of 2.0000

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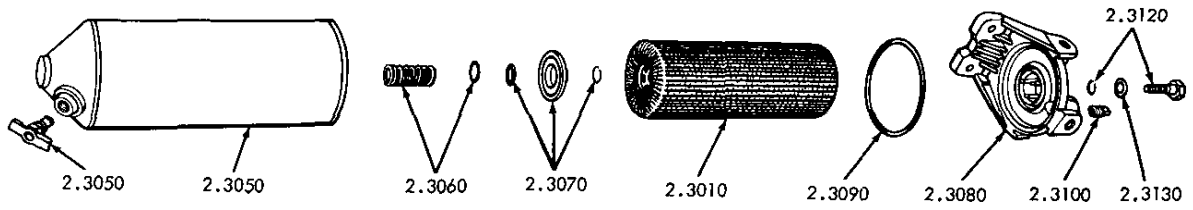

FIG. 3A FUEL STRAINER (Sock Type Element)

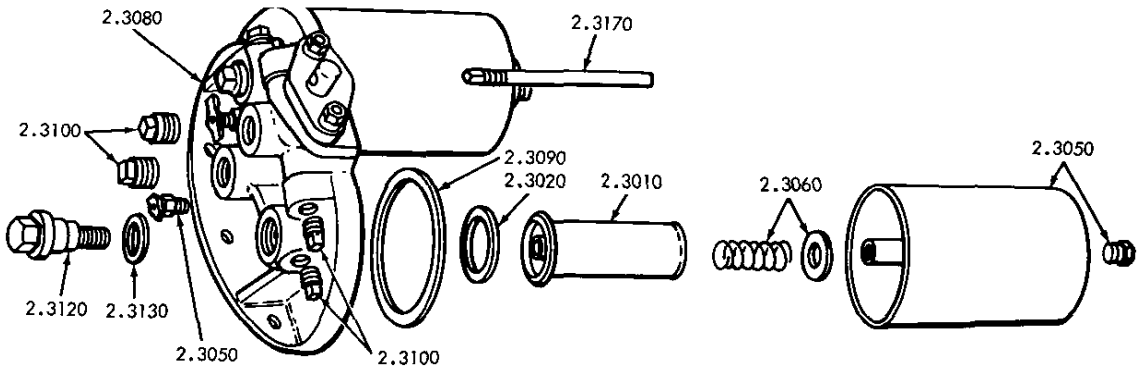

FIG. 3B FUEL STRAINER

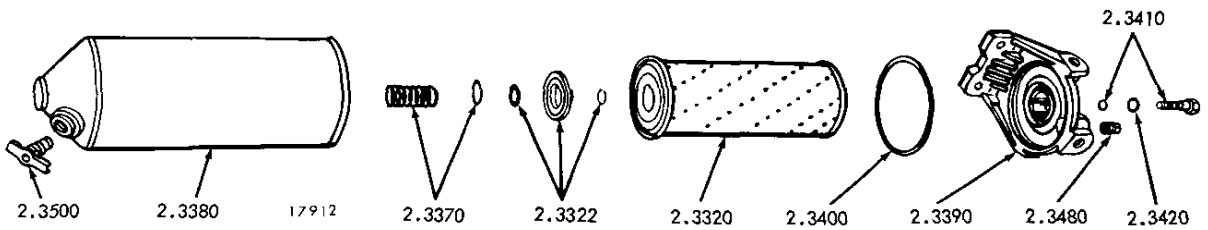

FIG. 3C FUEL FILTER

FIGS. 3A, 3B & 3C of 2.0000

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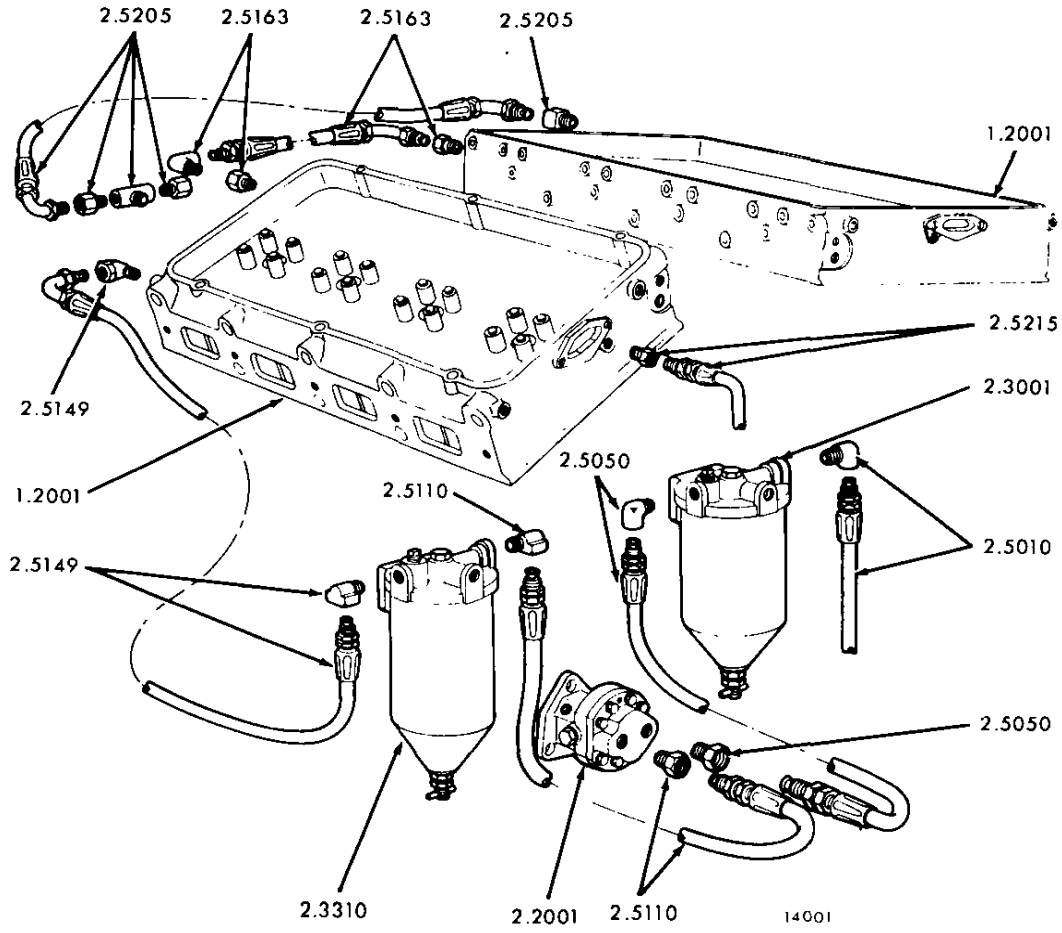

FIG. 4A TYPICAL FUEL SYSTEM

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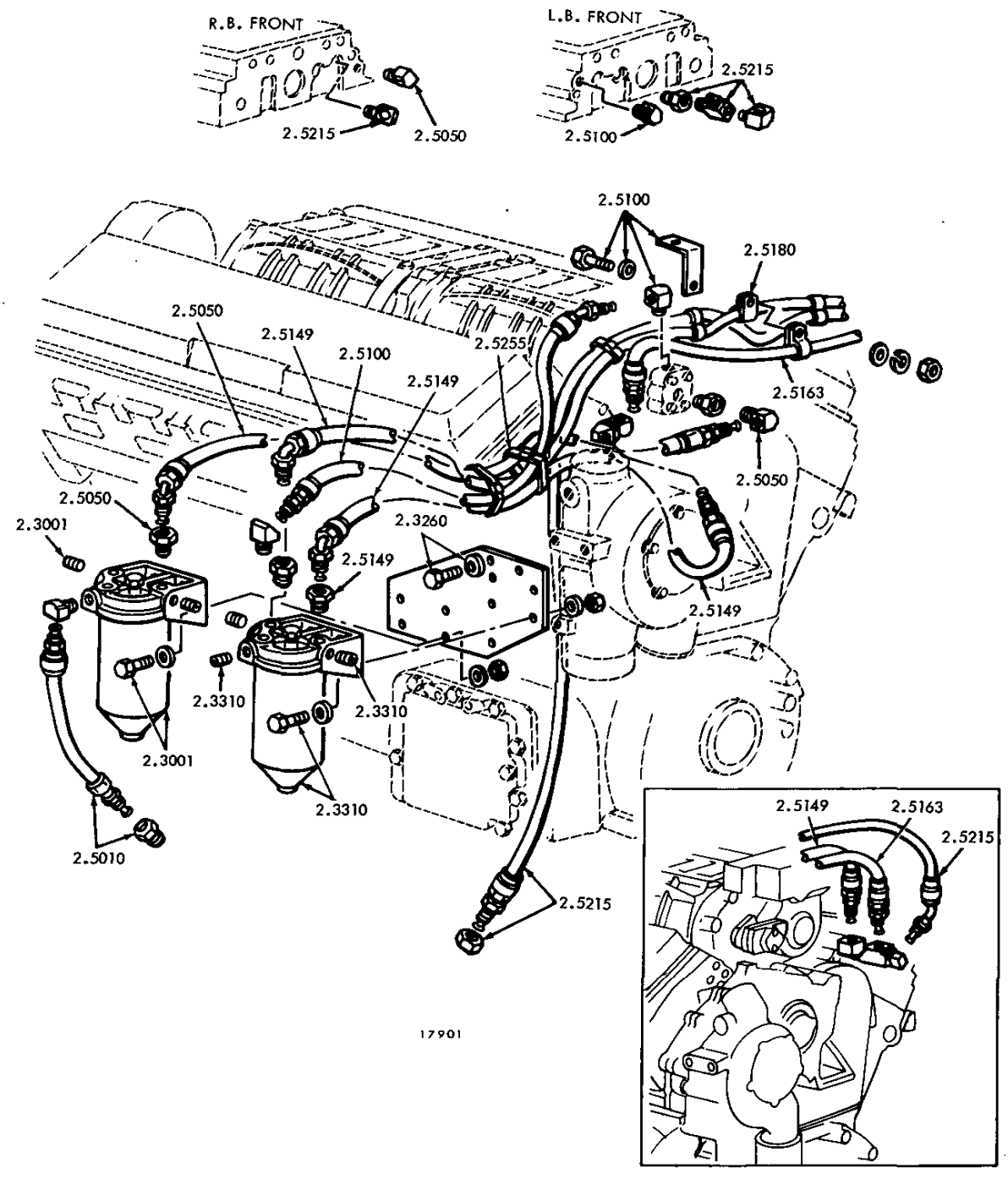

FIG. 4B FUEL FILTER, STRAINER AND LINES (12V)

FIG. 4B Of 2.0000

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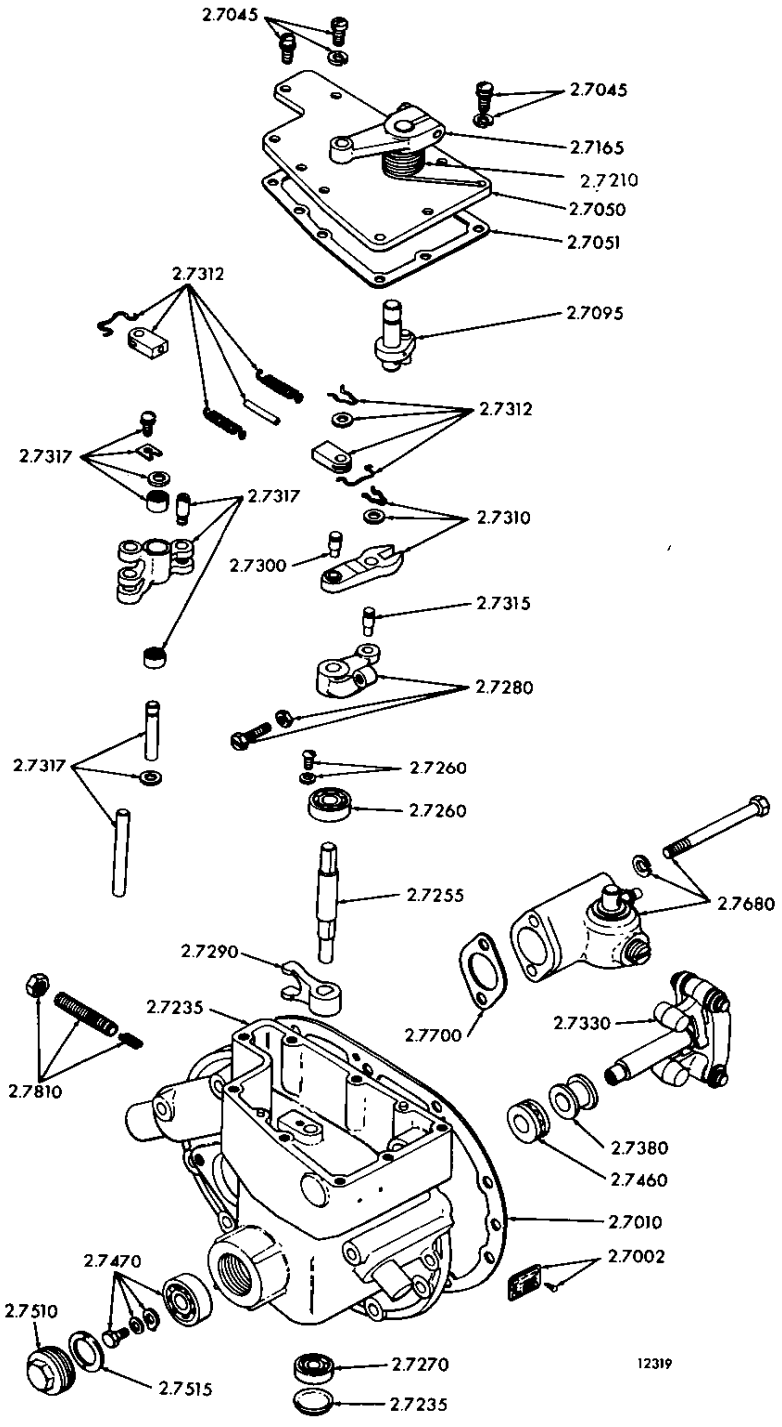

FIG. 5A VARIABLE SPEED GOVERNOR

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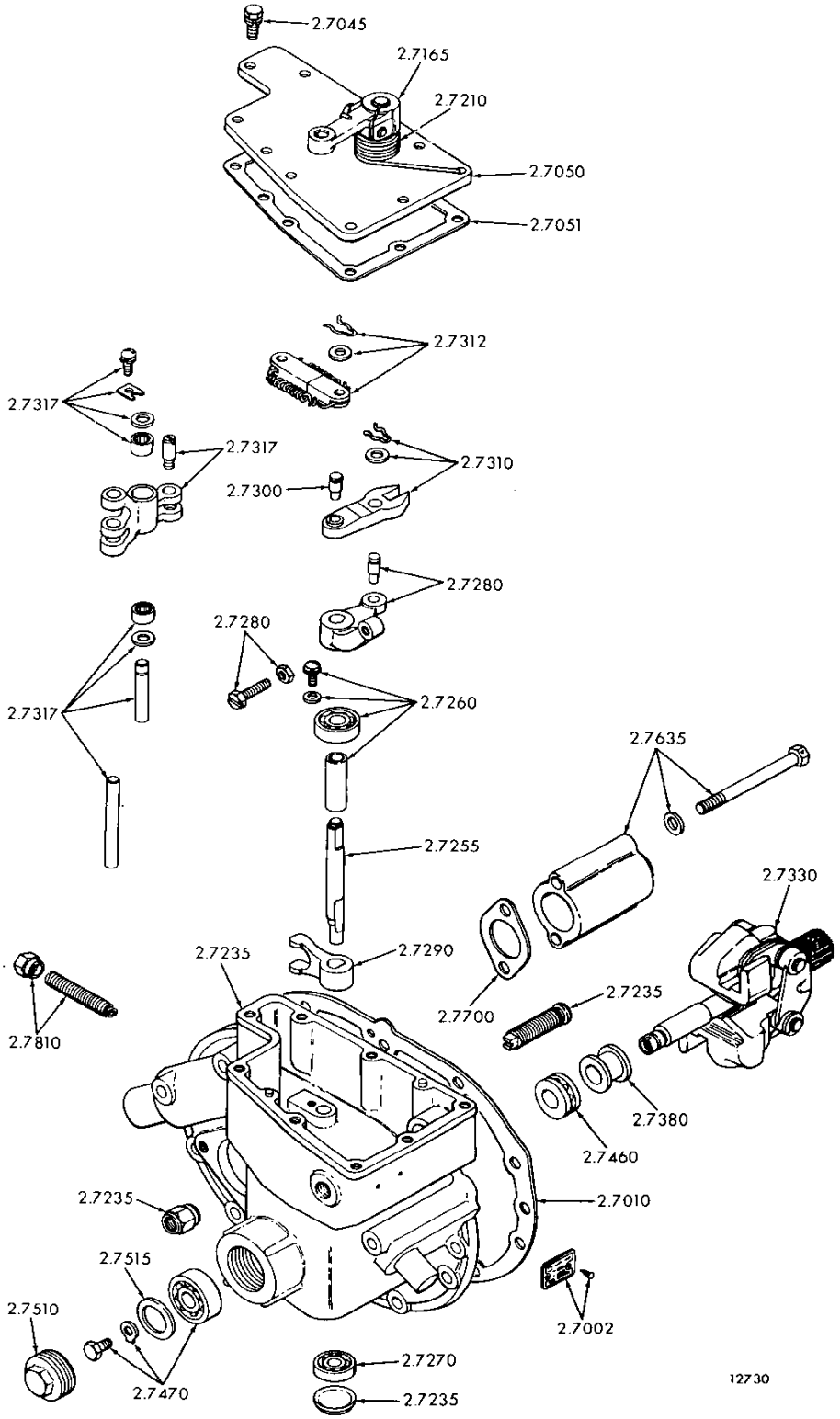

FIG. 5B LIMITING SPEED GOVERNOR

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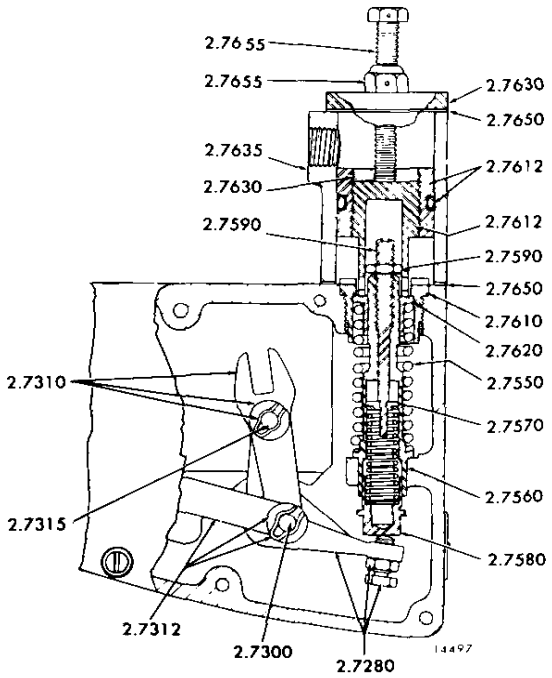

FIG. 5C EARLY TYPE DUAL RANGE GOVERNOR SPEED CONTROL MECHANISM

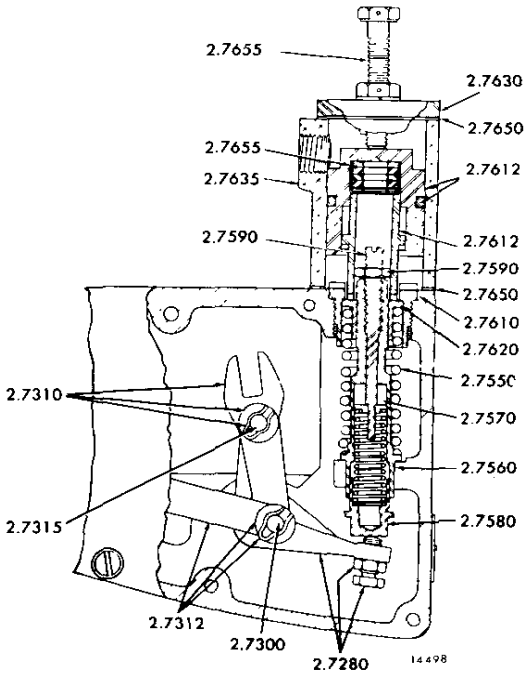

FIG. 5D REVISED DUAL RANGE GOVERNOR SPEED CONTROL MECHANISM

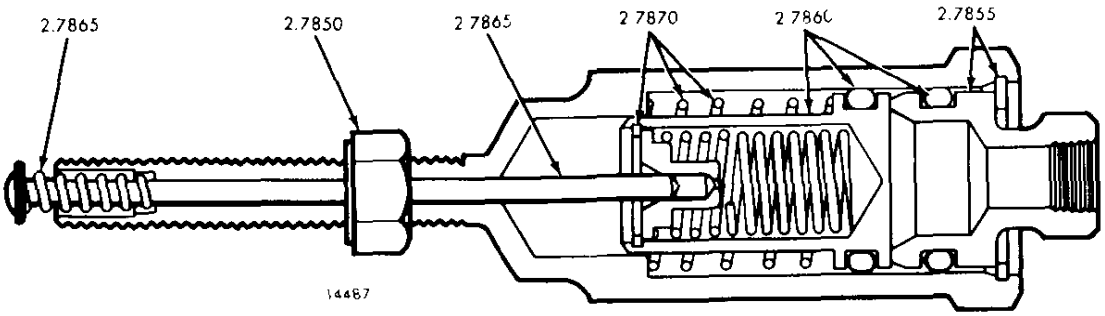

FIG. 5E FAST IDLE AIR CYLINDER

Figs. 5C, 5D & 5E of 2.0000

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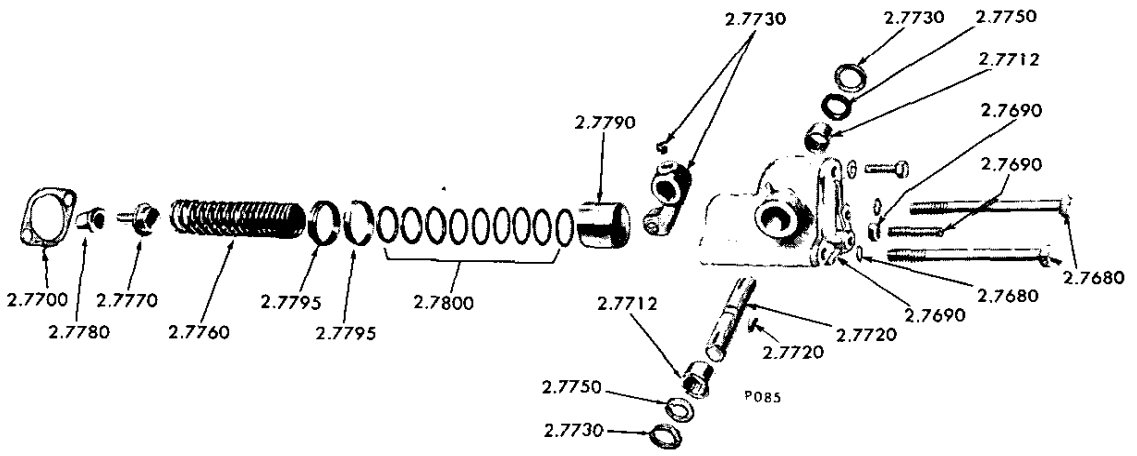

FIG. 5F VARIABLE SPEED GOVERNOR SPRING AND HOUSING

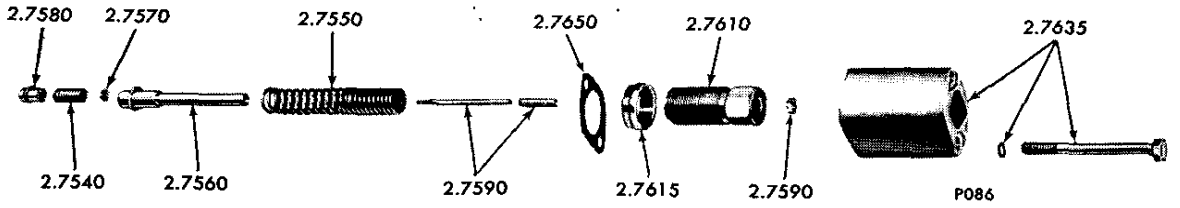

FIG. 5G LIMITING SPEED GOVERNOR SPRING AND HOUSING

Figs. 5F & 5G of 2.0000

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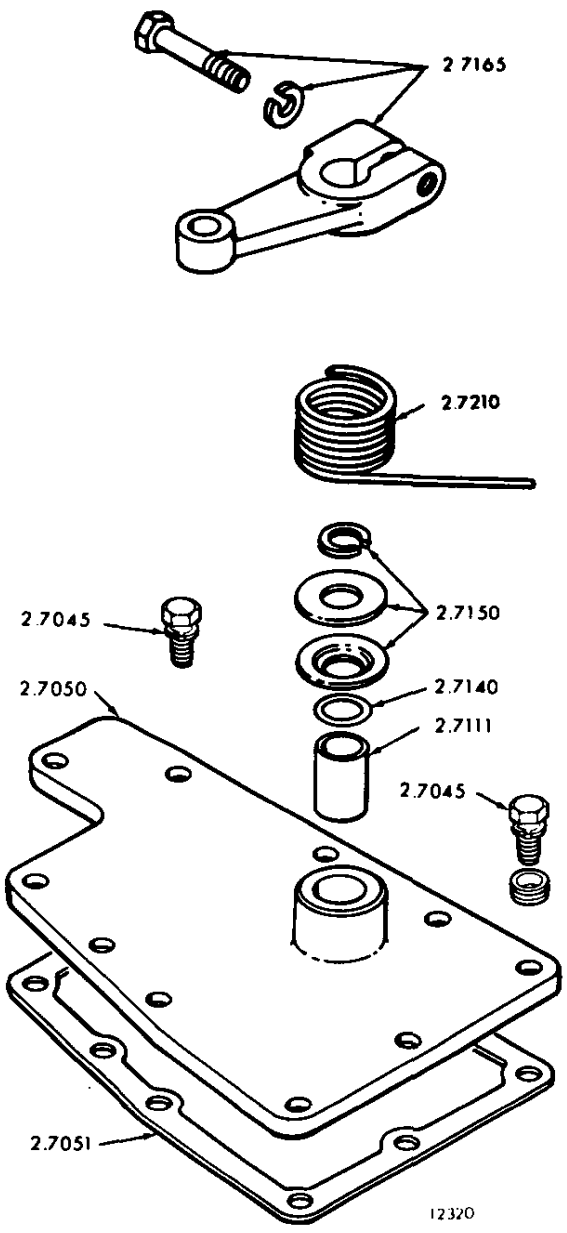

FIG. 5H VARIABLE SPEED GOVERNOR COVER
(Die Cast)

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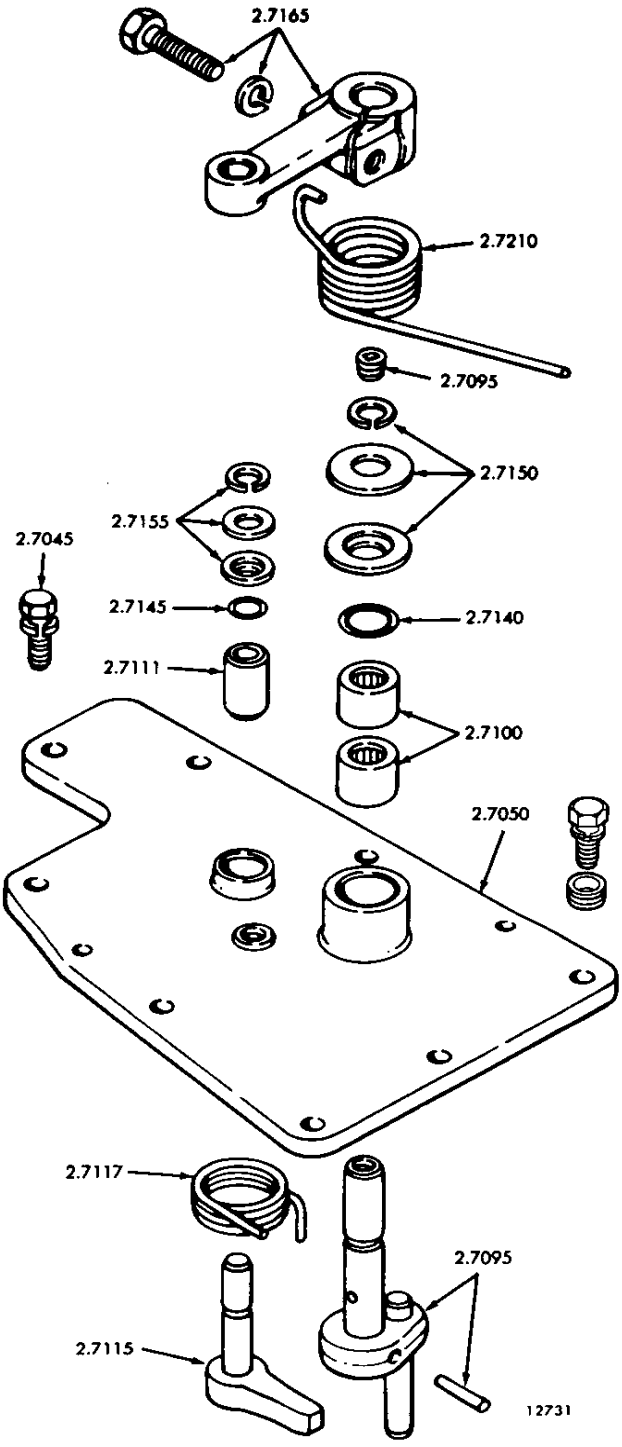

FIG. 5J LIMITING SPEED GOVERNOR COVER
(Die Cast with Needle Brgs.)

FIG. 5J OF 2.0000

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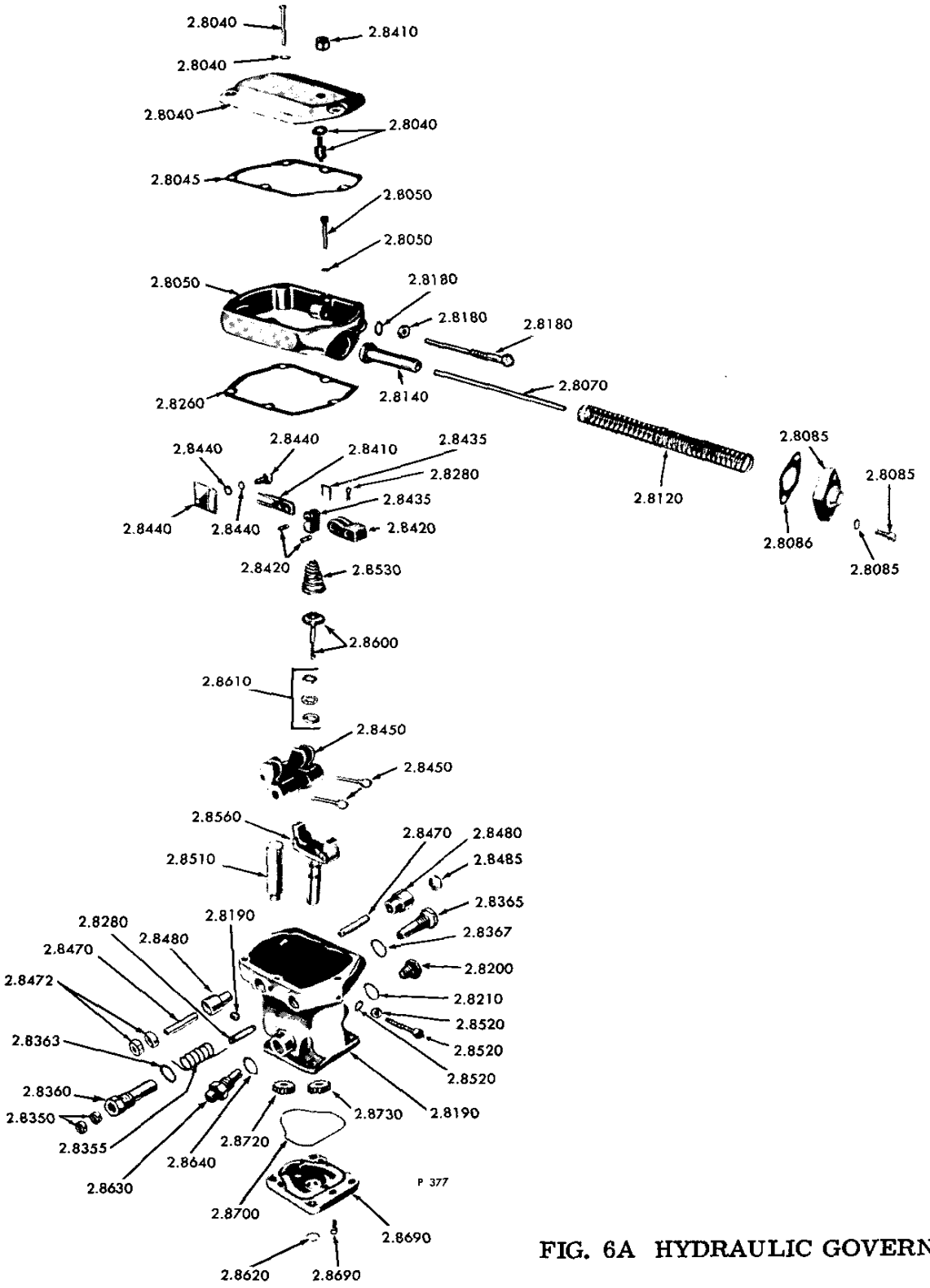

FIG. 6A HYDRAULIC GOVERNOR

Fig. 6A of 2.0000

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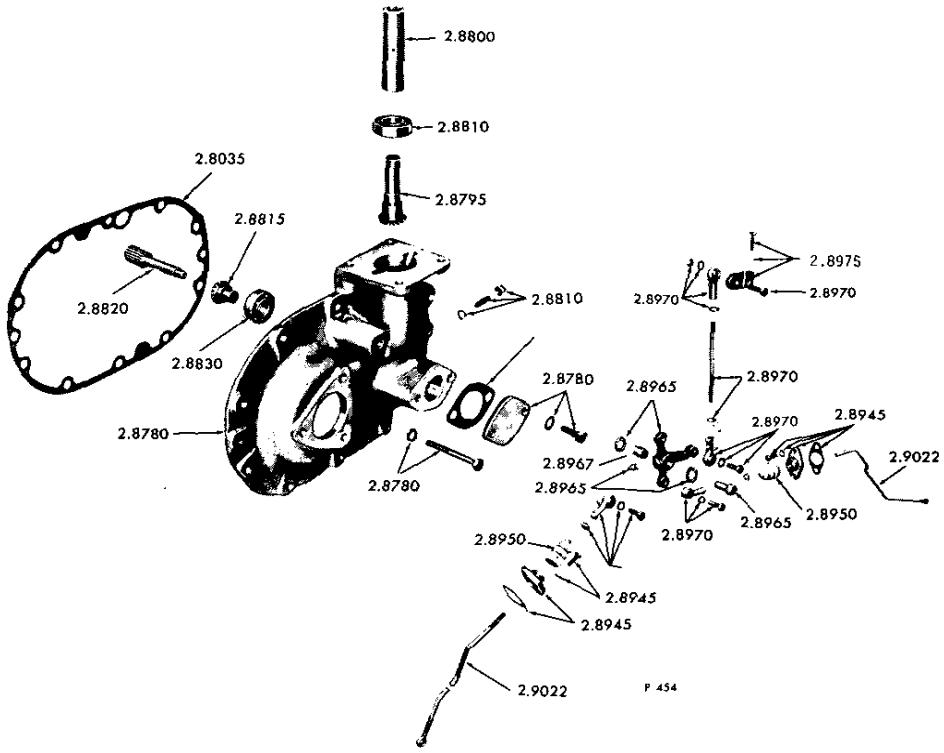

FIG. 6B HYDRAULIC GOVERNOR DRIVE (open linkage)

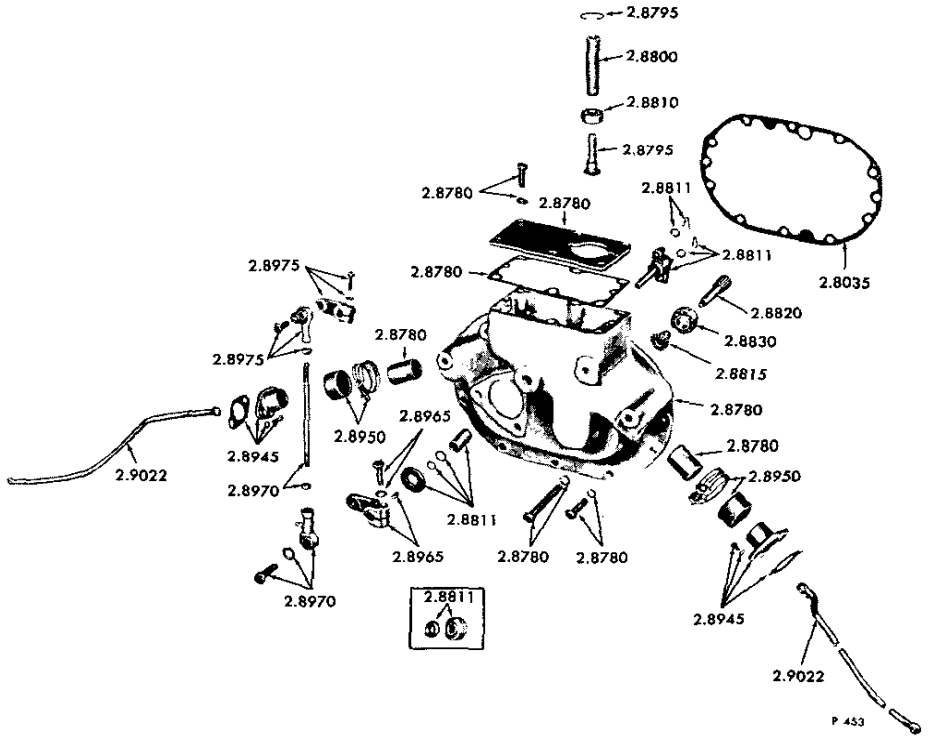

FIG. 6C HYDRAULIC GOVERNOR DRIVE (enclosed linkage)

Figs. 6B & 6C of 2.0000

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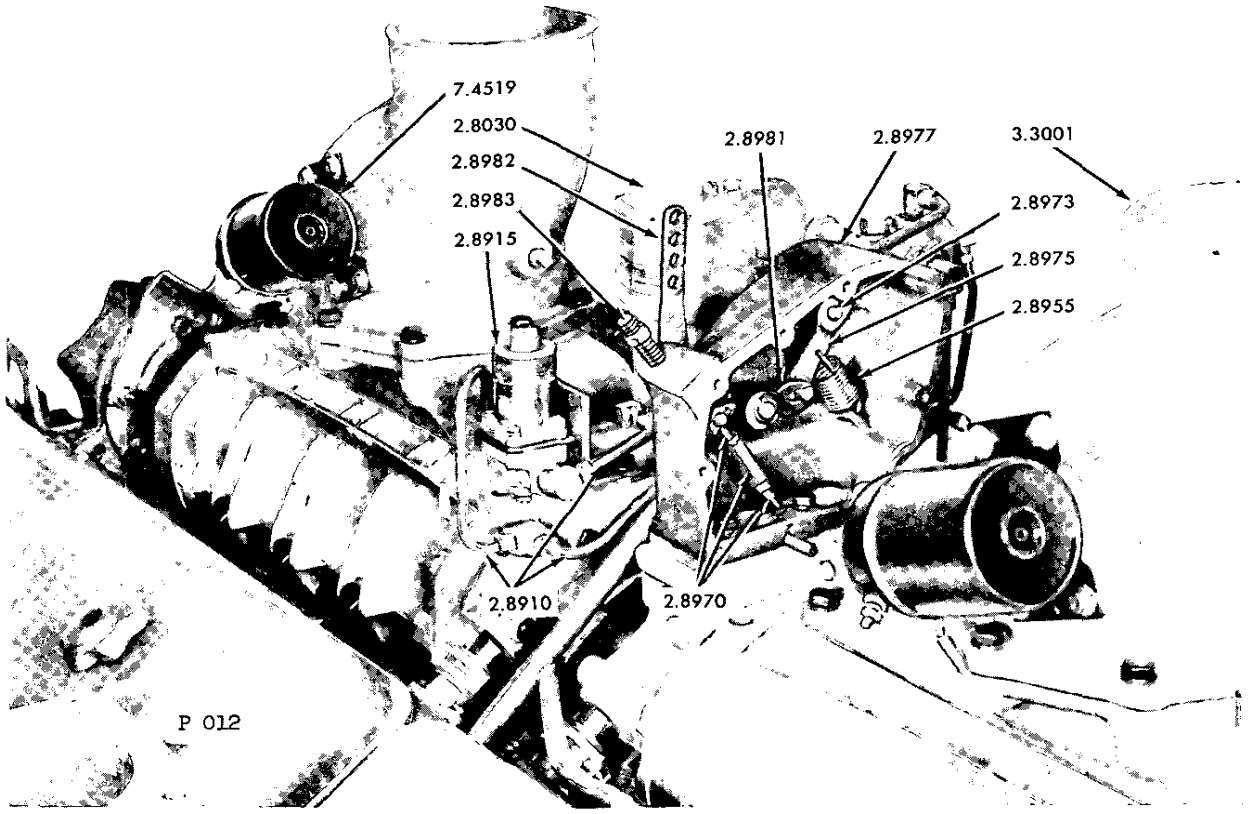

HYDRAULIC LIMITING SPEED GOVERNOR

Fig. 6D of 2.0000

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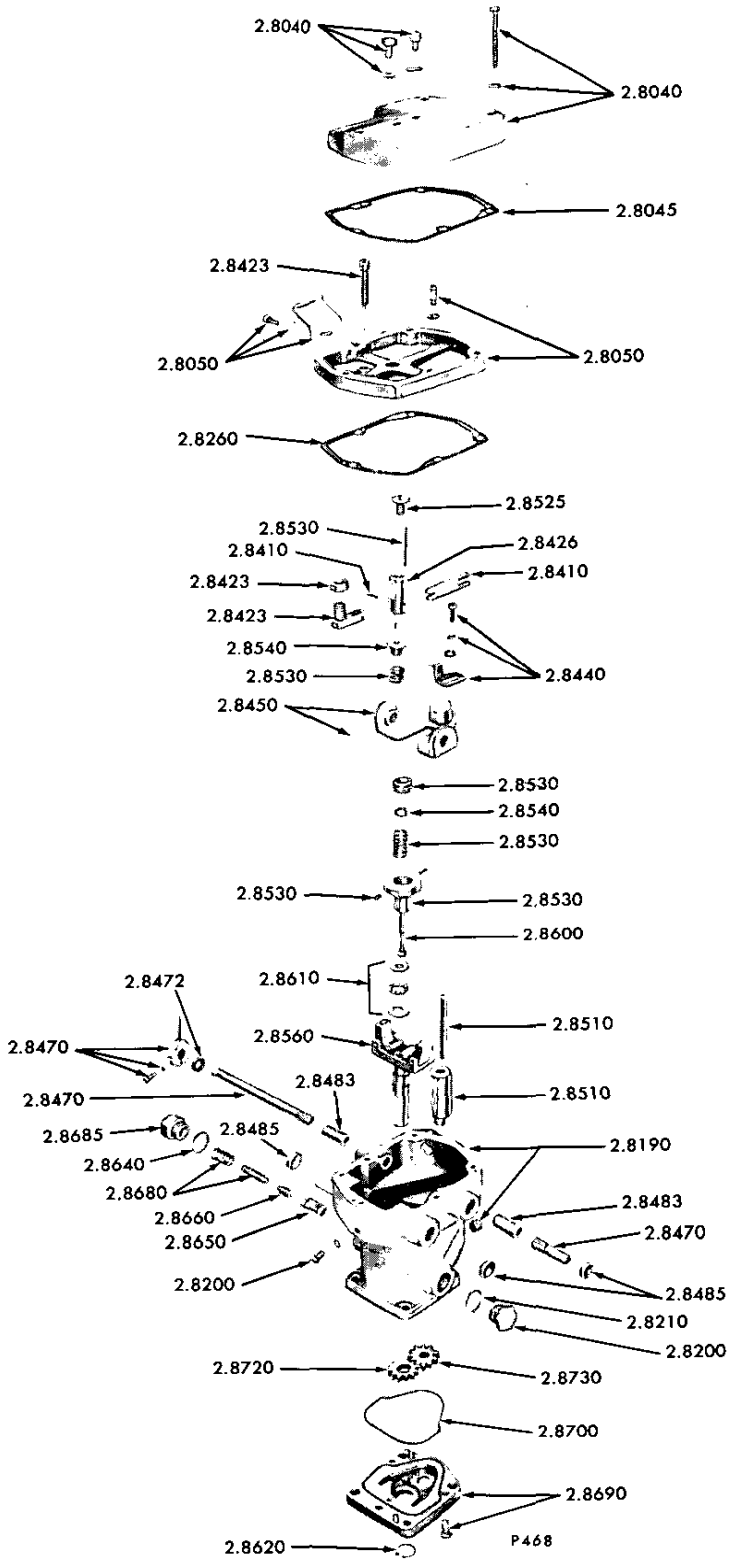

FIG. 6E HYDRAULIC LIMITING SPEED GOVERNOR

Fig. 6E of 2.0000

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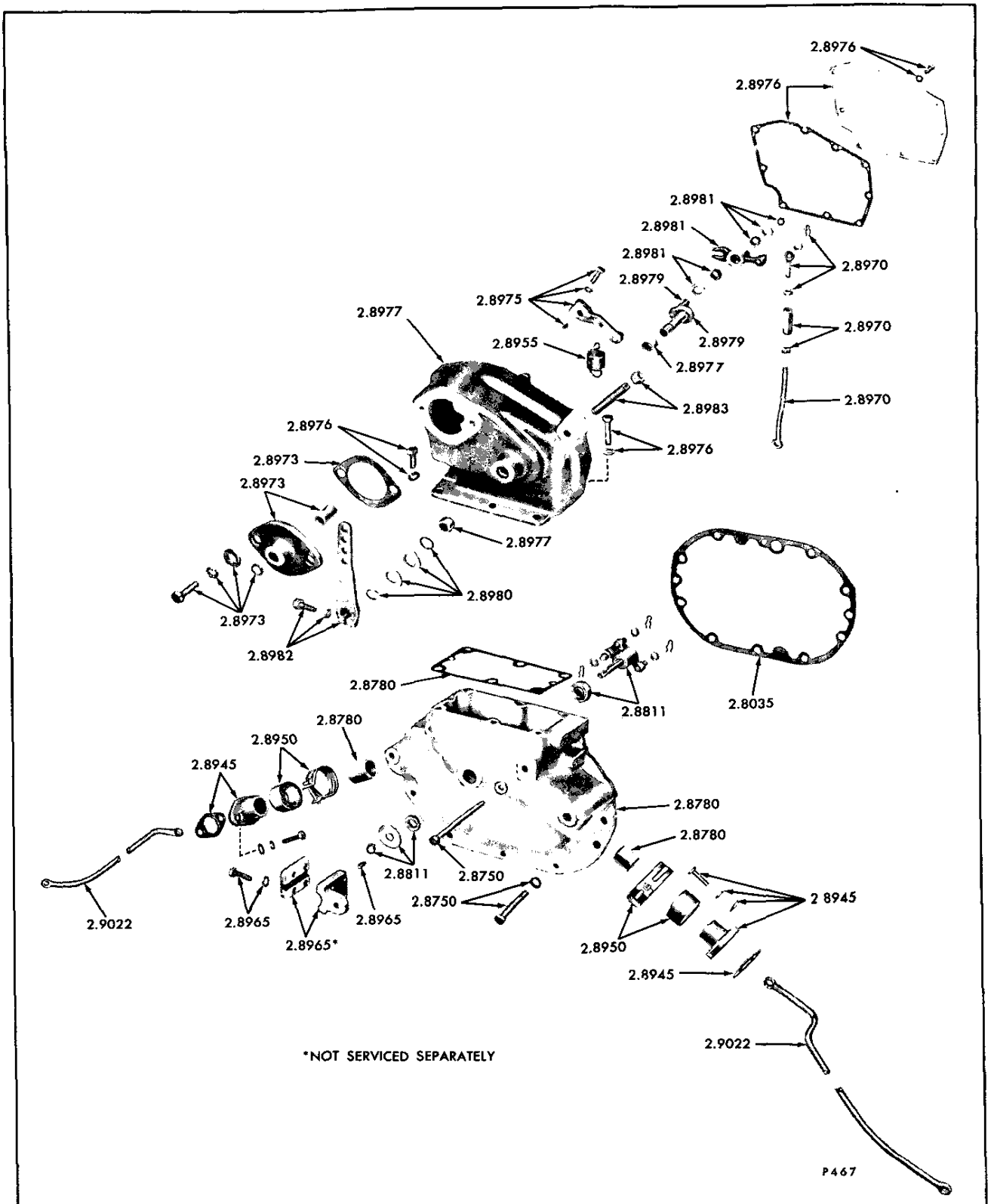

FIG. 6F GOVERNOR DRIVE (Hydraulic Limiting Speed, Front)

Fig. 6F of 2.0000

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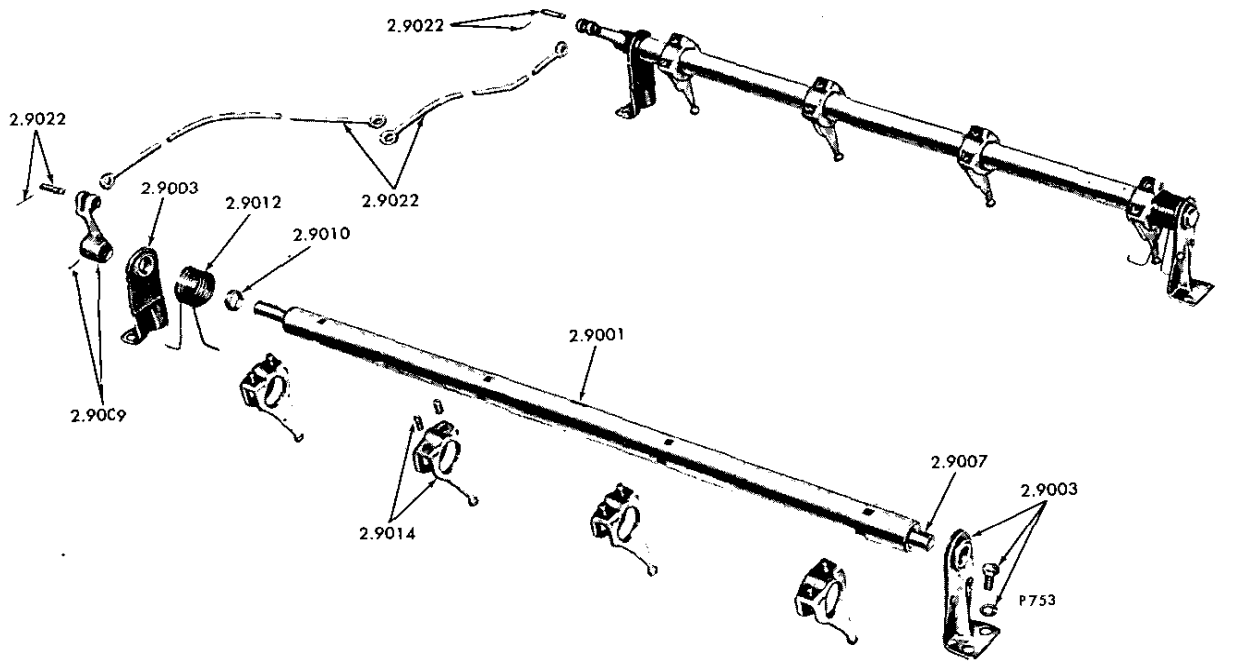

FIG. 7A INJECTOR CONTROLS

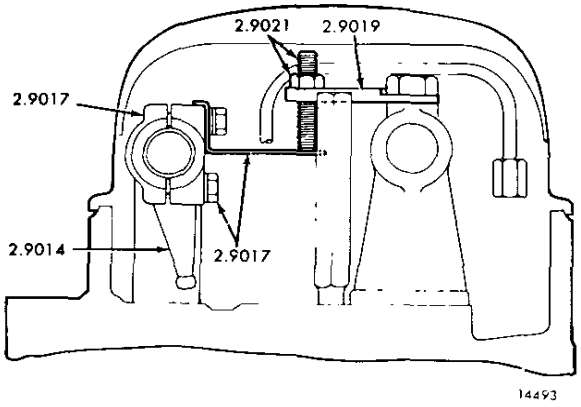

FIG. 7B POWER CONTROL

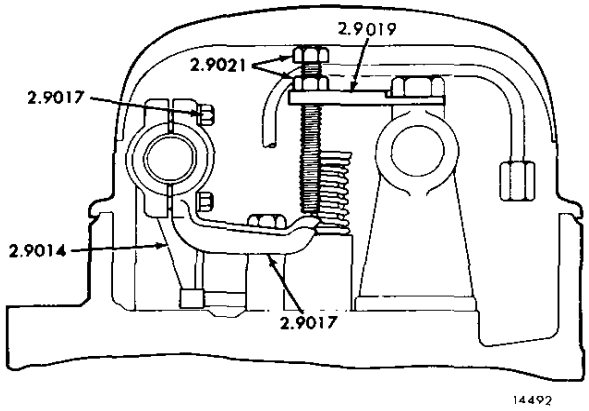

FIG. 7C TORQUE LIMIT CONTROL

Figs. 7A, 7B & 7C of 2.0000

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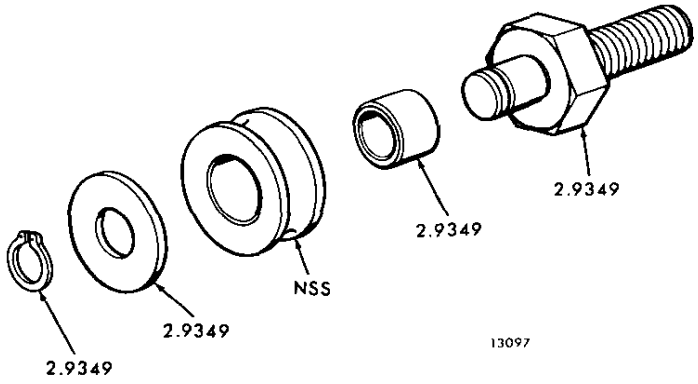

FIG. 7D THROTTLE BOOSTER SPRING HANGER

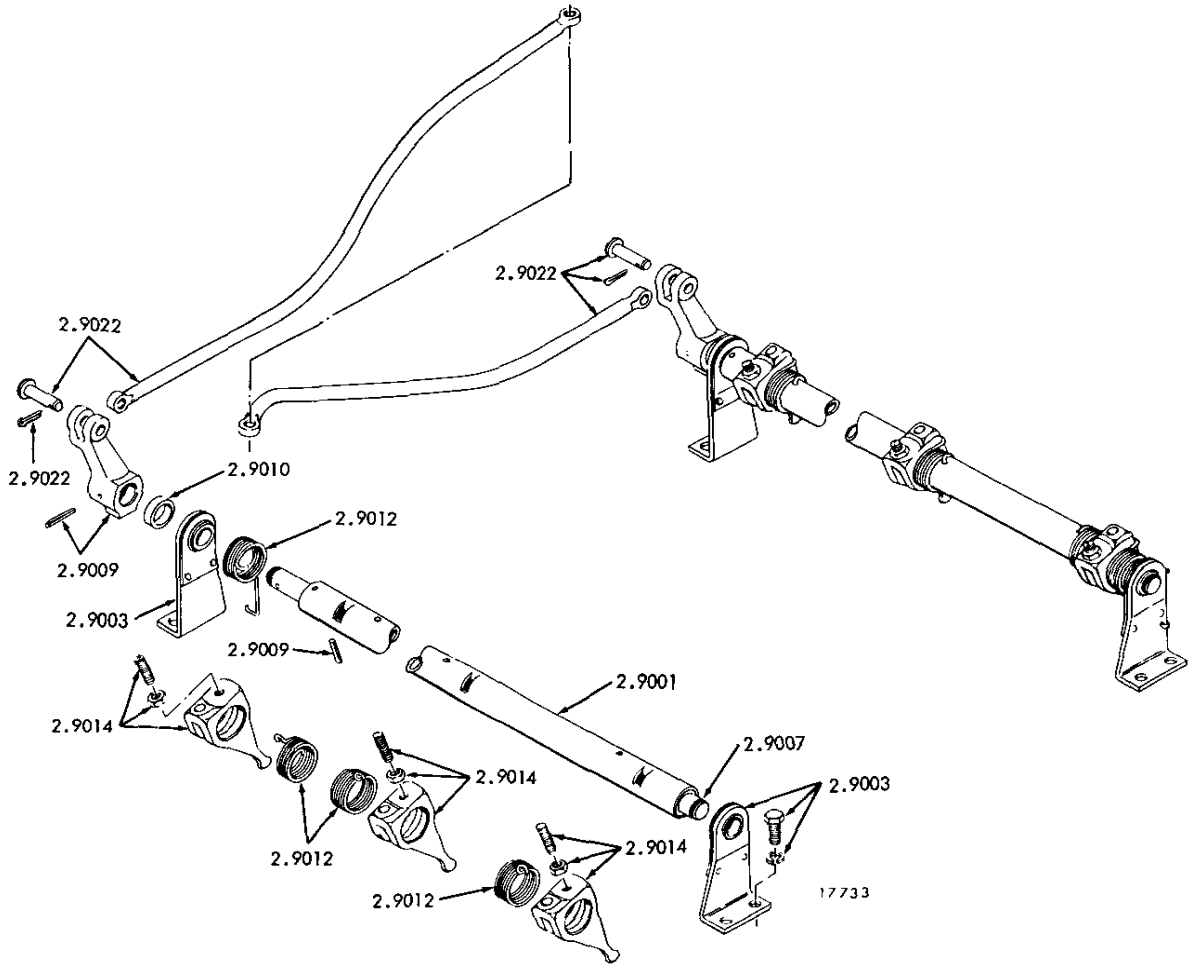

FIG. 7E INJECTOR CONTROLS (Spring Loaded)

Figs. 7D & 7E of 2.0000

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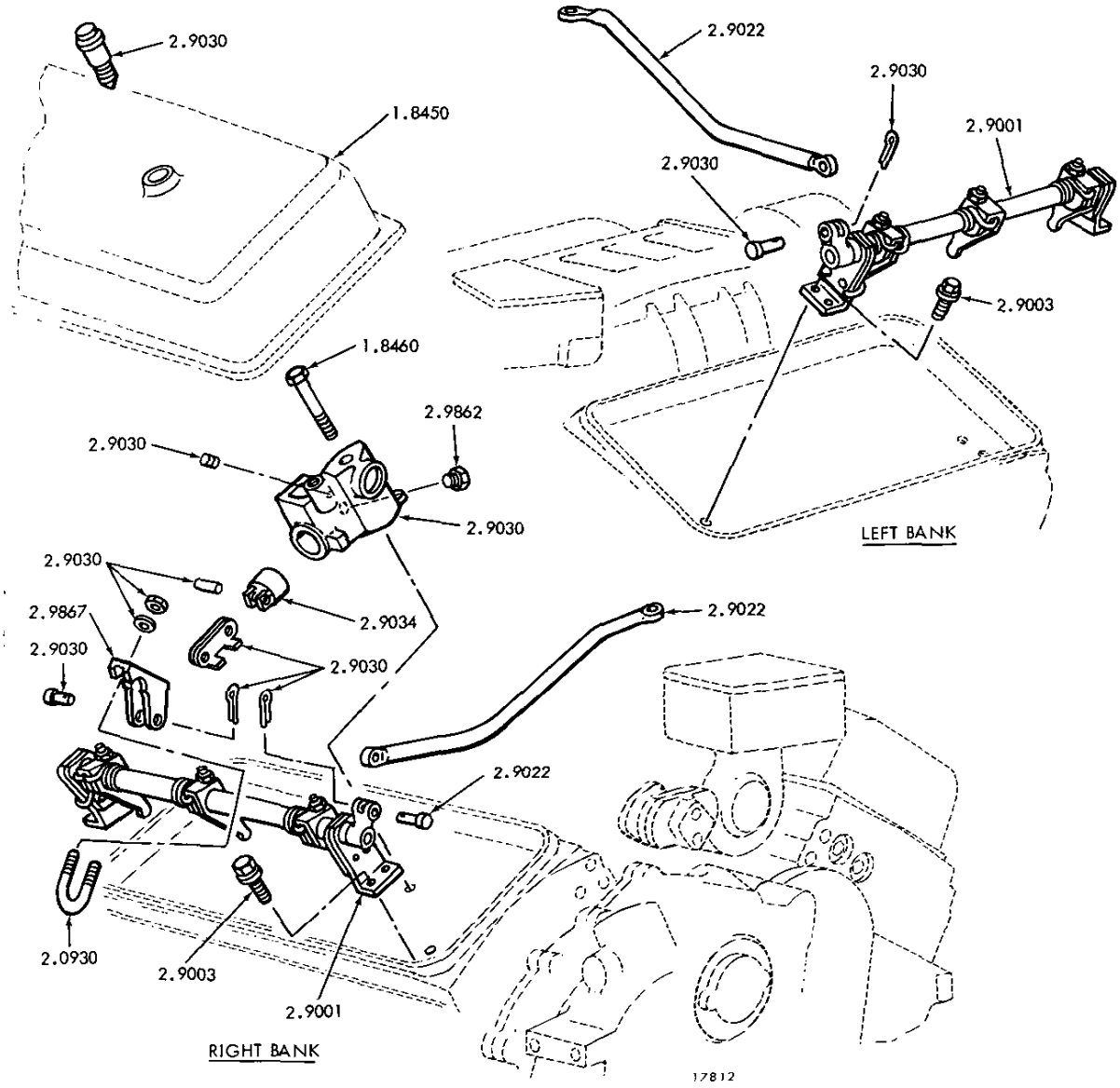

FIG. 7F INJECTOR CONTROLS WITH THROTTLE DELAY

FIG. 7F Of 2.0000

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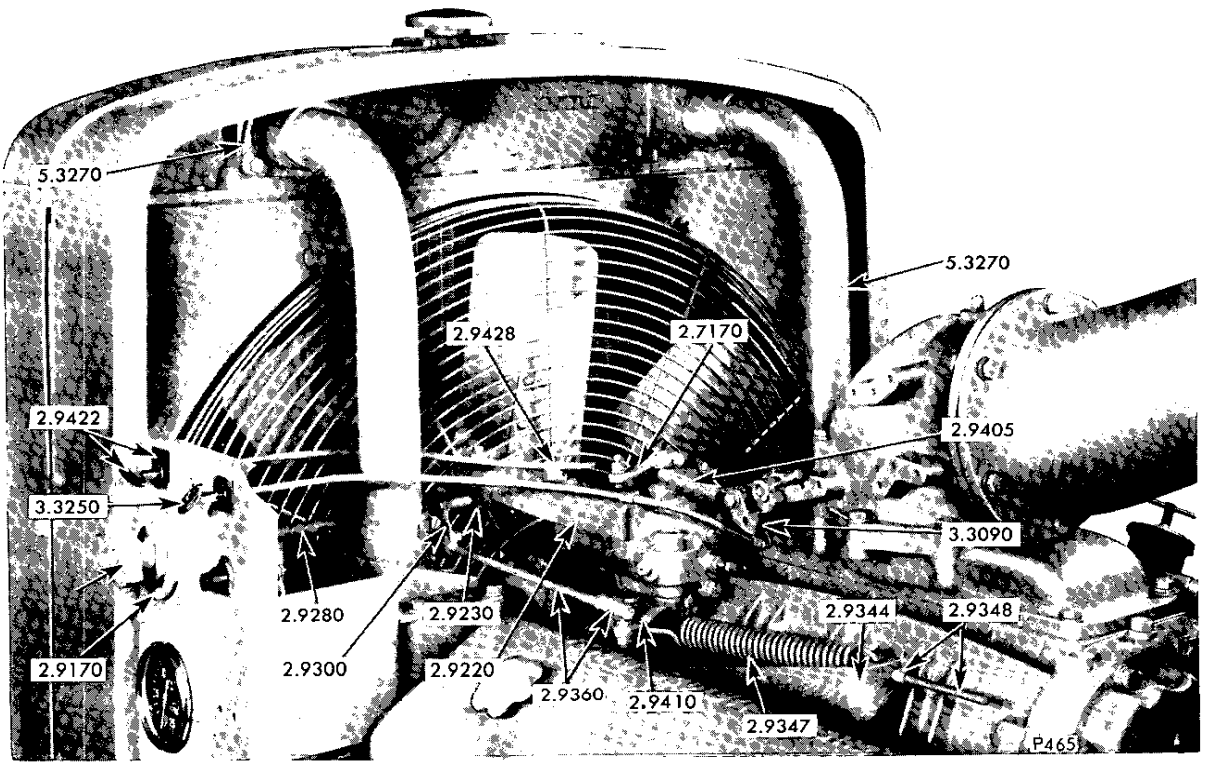

FIG. 8A THROTTLE CONTROLS

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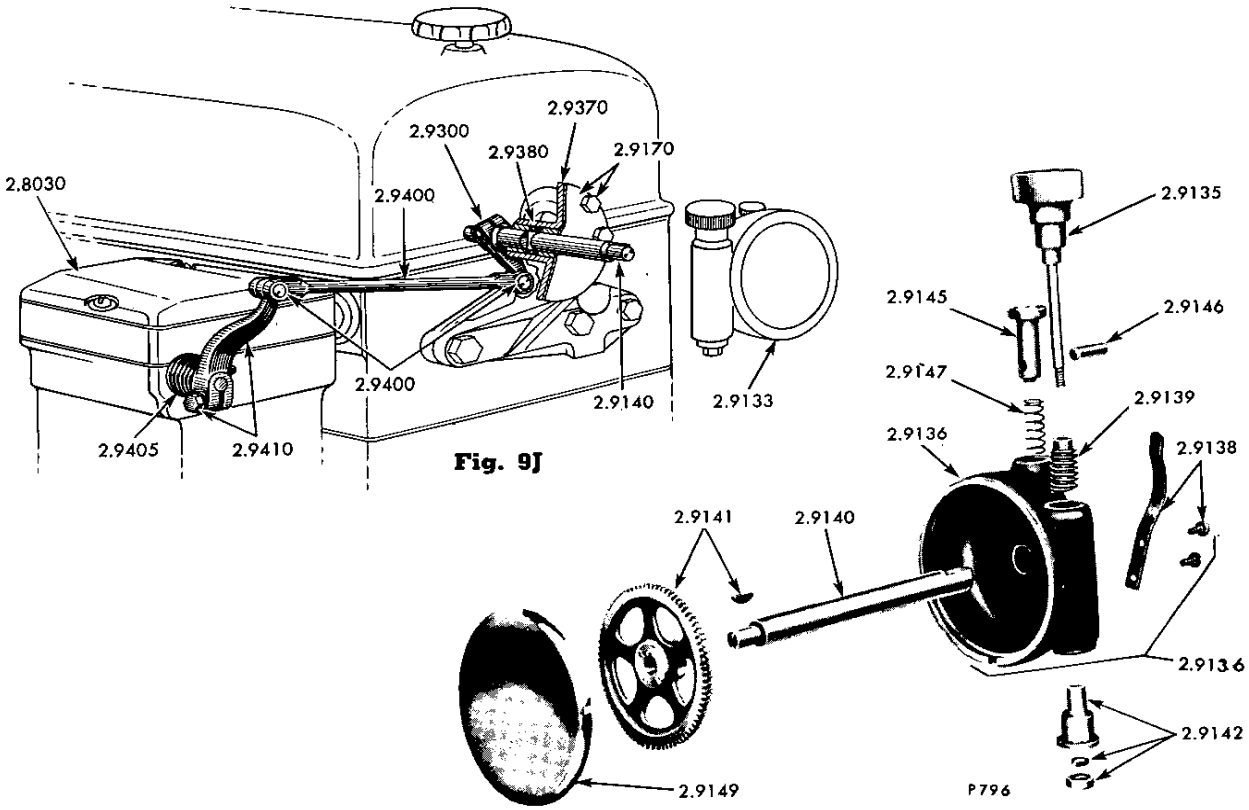

Fig. 9J

FIG. 8B VERNIER THROTTLE CONTROL

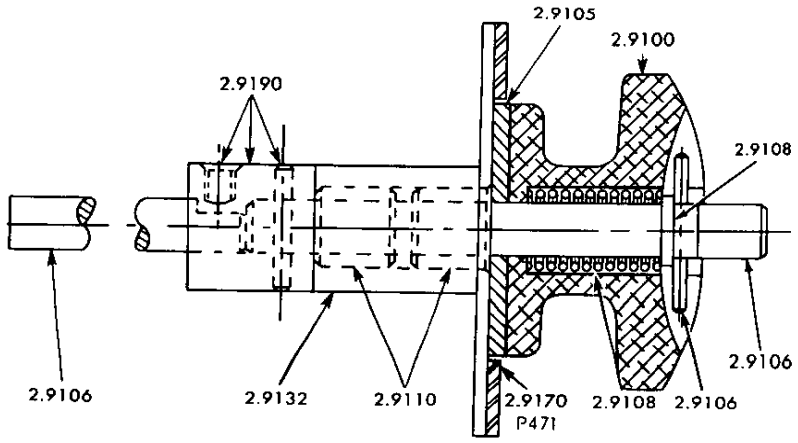

FIG. 8C THROTTLE CONTROL

Figs. 8B & 8C of 2.0000

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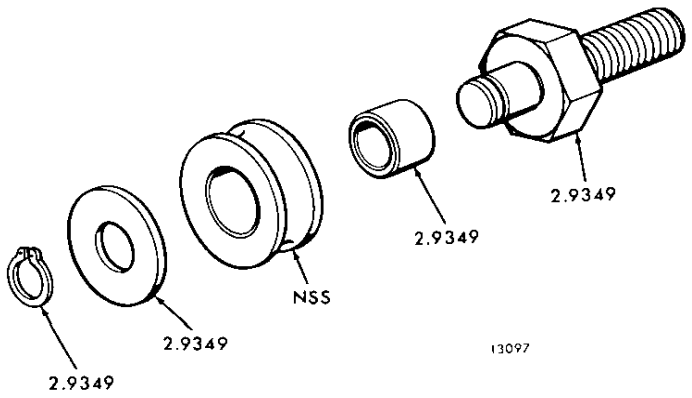

FIG. 8D HANGER ASSY.

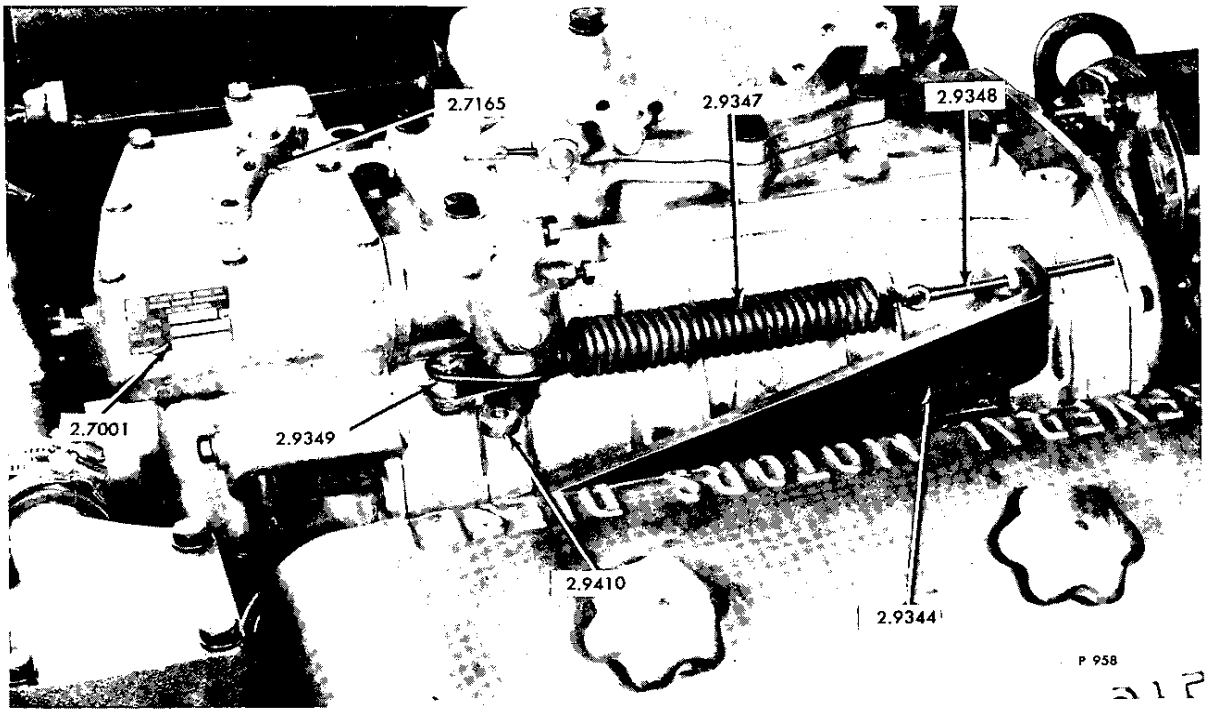

FIG. 8E THROTTLE CONTROLS, VARIABLE SPEED GOVERNOR

Figs. 8D & 8E of 2.0000

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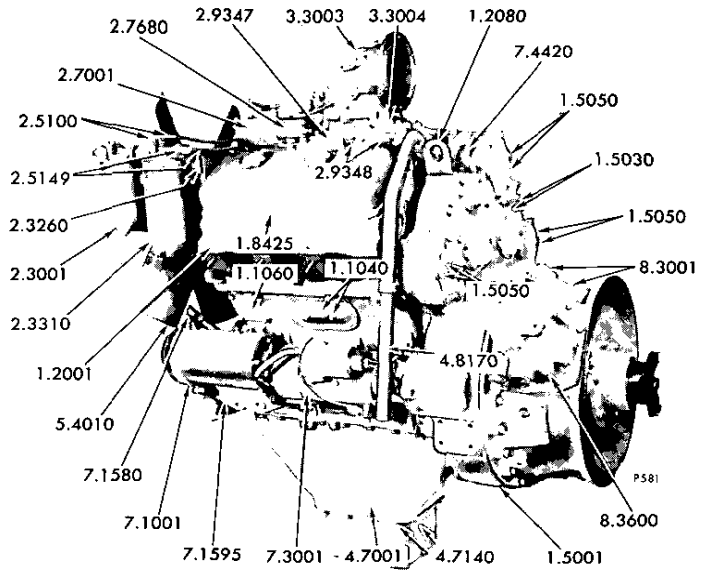

FIG. 10A

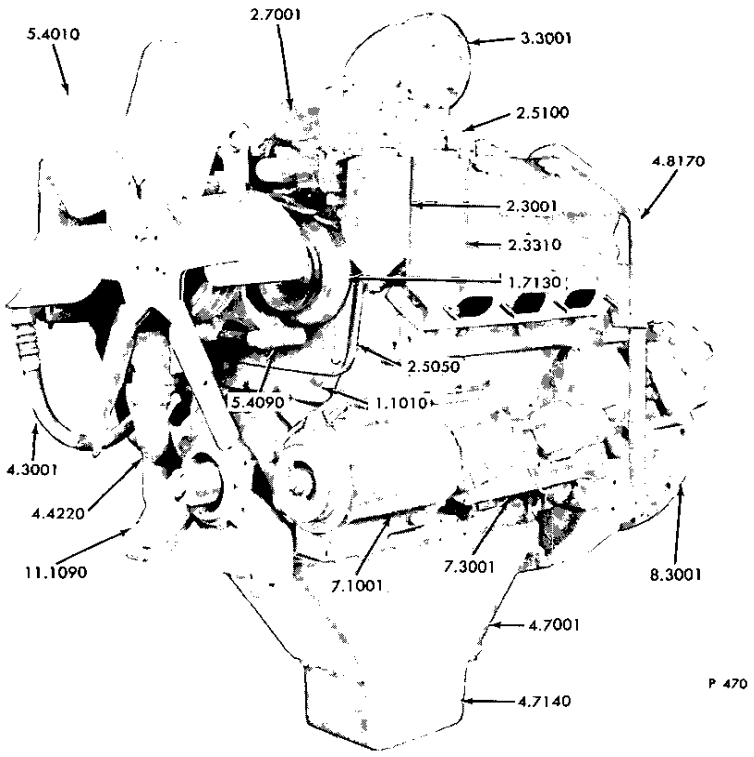

FIG. 10B

Figs. 10A & 10B of 2.0000

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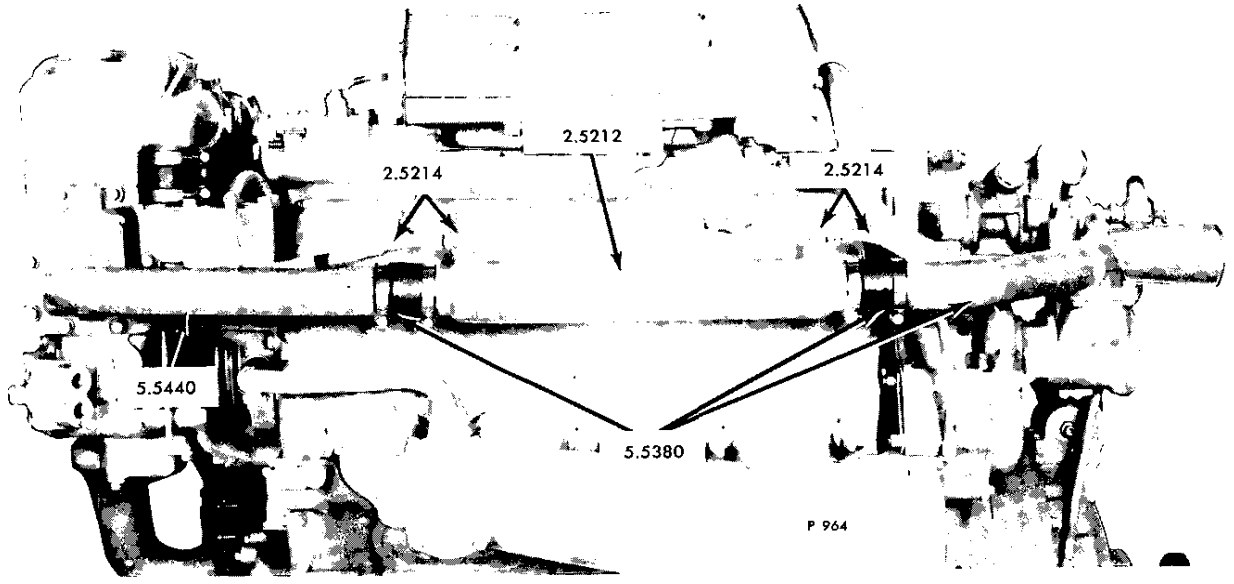

FIG. 10C FUEL COOLER

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 42	44	45	48	50	52	53	56	57	60	61	64
		2.1001 - INJECTOR ASSY.												
		QUANTITIES SHOWN ARE (1) PER CYLINDER. INCLUDES ITEMS IN 2.1020 THRU 2.1265.												
1A	**5228760**	INJECTOR ASSY. (S60)	1											
1A	**5228785**	INJECTOR ASSY. (S55)		1										
1A	**5228770**	INJECTOR ASSY. (S70)			1									
1A	**5228525**	* INJECTOR ASSY. (S90) (OFFSET) (LOW CRAB) (USE TYPE 100)				1								
1A	**5228524**	* INJECTOR ASSY. (S80) (OFFSET) (LOW CRAB) (USE TYPE 82)					1							
1A	**5228580**	+ INJECTOR ASSY. (S45)						1						
1B	**5228610**	* INJECTOR ASSY. (N60) (USE TYPE 78)							1					
1A	**5228550**	INJECTOR ASSY. (S50)								1				
1B	**5228670**	* INJECTOR ASSY. (N70) (USE TYPE 80)									1			
1B	**5228655**	* INJECTOR ASSY. (N55) (USE TYPE 77)										1		
1B	**5228685**	* INJECTOR ASSY. (N65) (USE TYPE 79)											1	
	5228795	@ INJECTOR ASSY. (M95)												1
		* NOT SERVICED AS AN ASSY.; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE TYPE SHOWN.												
		@ INCLUDES ONE FILTER ELEMENT AT FUEL INLET SIDE ONLY.												
		+ NOT SERVICED, COMPONENTS AVAILABLE FOR COMPLETE REPLACEMENT USE 5228783.												
		2.1002 - SERVICE KIT, INJECTOR												
		CONSISTS OF ONE (1) SEAL RING, TWO (2) FILTER CAP GASKETS, TWO (2) FILTER ELEMENTS AND TWO (2) SHIPPING CAPS.												
	5229649	SERVICE KIT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1010 - CONTAINER, INJECTOR SHIPPING												
1A	**5149669**	CONTAINER (12.8050)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1020 - BODY ASSY., INJECTOR												
1A	**5228509**	BODY ASSY. (INCLUDES DOWEL AND PLUGS)	1	1	1	1	1	1		1				
1B	**5228583**	BODY ASSY. (INCLUDES DOWEL AND PLUGS)							1		1	1	1	1
1A,B	**5226416**	DOWEL	1	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 42	44	45	48	50	52	53	56	57	60	61	64
		2.1020 - BODY ASSY., INJECTOR (CONT'D)												
	5226912	PLUG, BODY	2	2	2	2	2	2	2	2	2	2	2	2
1A	5228518	TAG, NUMBER (S60)	1											
1A	5228529	TAG, NUMBER (S55)		1										
1A	5228531	TAG, NUMBER (S70)			1									
	5228533	TAG, NUMBER (S90)				1								
1A	5228532	TAG, NUMBER (S80)					1							
1A	5228557	TAG, NUMBER (S45)						1						
1B	5228779	TAG, NUMBER (N60)							1					
1A	5228559	TAG, NUMBER (S50)								1				
1B	5228782	TAG, NUMBER (N70)									1			
1B	5228776	TAG, NUMBER (N55)										1		
1B	5228781	TAG, NUMBER (N65)											1	
	5229191	TAG, NUMBER (BLANK)	1	1	1	1	1	1	1	1	1	1	1	1
		2.1030 - NUT, INJECTOR VALVE												
1A	5228102	NUT	1	1	1	1	1	1		1				
1B	5228601	NUT							1		1	1	1	1
		2.1040 - RING, INJECTOR SEAL												
1A,B	5229167	RING	1	1	1	1	1	1	1	1	1	1	1	1
		2.1050 - DEFLECTOR, INJECTOR SPILL												
1A,B	5228109	DEFLECTOR	1	1	1	1	1	1	1	1	1	1	1	1
		2.1060 - FOLLOWER, INJECTOR												
1A,B	5228104	FOLLOWER	1	1	1	1	1	1	1	1	1	1	1	1
		2.1080 - *SPRING, INJECTOR PLUNGER*												
1A,B	5228739	SPRING	1	1	1	1	1	1	1	1	1	1	1	1
		2.1100 - PIN, INJECTOR STOP												
1B	5228608	PIN	1	1	1	1	1	1	1	1	1	1	1	1
		2.1110 - ELEMENT, INJECTOR FILTER												
1B	5228587	ELEMENT	2	2	2	2	2	2	2	2	2	2	2	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 42	44	45	48	50	52	53	56	57	60	61	64
		2.1120 - SPRING, INJECTOR FILTER												
1A	5226415	SPRING	2	2	2	2	2	2		2				
		2.1130 - CAP, INJECTOR FILTER												
		KIT INCLUDES (1) EACH 5228587 ELEMENT IN 2.1110, 5228588 CAP IN 2.1130 AND 5226186 GASKET IN 2.1140.												
1A	5226413 *	CAP	2	2	2	2	2	2	2	2	2	2	2	2
1B	5228588	CAP	AR	AR	AR	AR	AR	AR		AR				
	5228882	CONVERSION KIT, FILTER CAP (2.1132)												
		* NOT SERVICED; USE CONVERSION KIT IN 2.1130.												
		2.1140 - GASKET, INJECTOR FILTER CAP												
1A,B	5226186	GASKET	2	2	2	2	2	2	2	2	2	2	2	2
		2.1150 - CAP, INJECTOR SHIPPING												
1B	5226414	CAP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1160 - PLUNGER AND BUSHING ASSY., INJECTOR												
		PLUNGERS AND BUSHINGS ARE NOT SOLD SEPARATELY. AN ASSY. INCLUDES PIN IN 2.1165.												
1A	5228306	PLUNGER AND BUSHING ASSY. (S60, 658)	1											
1A	5228528	PLUNGER AND BUSHING ASSY. (S55, 5S8)		1										
1A	5228304	PLUNGER AND BUSHING ASSY. (S70)			1									
1B	5228549	PLUNGER AND BUSHING ASSY. (S90)				1								
1A	5228101	PLUNGER AND BUSHING ASSY. (S80)					1							
1A	5228495	PLUNGER AND BUSHING ASSY. (S45)						1						
1B	5228656	PLUNGER AND BUSHING ASSY. (N60)							1					
1A	5228126	PLUNGER AND BUSHING ASSY. (S50)								1				
1B	5228682	PLUNGER AND BUSHING ASSY. (N70, HN65)									1			
1B	5228668	PLUNGER AND BUSHING ASSY. (N55)										1		
1B	5228658	PLUNGER AND BUSHING ASSY. (N65, N75)											1	
1B	5228804	PLUNGER AND BUSHING ASSY. (M95)												1
		2.1165 - PIN, BUSHING GUIDE												
	5226393	PIN	1	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 42	44	45	48	50	52	53	56	57	60	61	64
		2.1170 - RACK, INJECTOR												
1A,B	**5226719**	RACK ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
		2.1180 - GEAR, INJECTOR												
1A,B	**5226400**	GEAR	1	1	1	1	1	1	1	1	1	1	1	
1A,B	**5228802**	GEAR												1
		2.1190 - RETAINER, INJECTOR GEAR												
1A	**5226567**	RETAINER	1	1	1		1	1		1				
1B	**5228586**	RETAINER							1		1	1	1	1
		2.1200 - VALVE, INJECTOR CHECK												
1A	**5226411**	VALVE	1	1	1	1	1	1		1				
1B	**5228663** *	VALVE							1		1	1	1	
1B	**5228694**	VALVE												1
		* NOT SERVICED; REPLACE WITH 1-5228694 VALVE AND 1-5228696 CAGE)												
		2.1205 - CAGE, INJECTOR CHECK VALVE												
1B	**5228664** *	CAGE							1		1	1	1	
1B	**5228696**	CAGE												1
		* NOT SERVICED; REPLACE WITH 1-5228694 VALVE AND 1-5228696 CAGE)												
		2.1220 - TIP KIT, INJECTOR SPRAY												
		INCLUDES ITEMS IN 2.1230 THRU 2.1260.												
1A	**5228491**	TIP KIT	1	1				1		1				
1A	**5228312**	TIP KIT			1	1	1							
		2.1230 - TIP, INJECTOR SPRAY												
1A	**5228473**	TIP (S45, S50, S55, S60, S65)	1	1				1		1				
1A	**5228554**	TIP (S70,S80)			1	1	1							
		2.1235 - TIP ASSY., INJECTOR SPRAY												
		COMPONENTS OF TIP ASSY. ARE NOT SOLD SEPARATELY.												
1B	**5228591** +	TIP ASSY. (N55,N60,N65)							1			1	1	

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 42	44	45	48	50	52	53	56	57	60	61	64
		2.1235 - TIP ASSY., INJECTOR SPRAY (CONT'D)												
1B	5228653	= TIP ASSY. (N70, HN65, N75)									1			
	5229256	TIP ASSY. (HN65, N75, N80, M95)												1
		+ NOT SERVICED; REPLACE WITH 1-5228768 TIP ASSY. AND 1-5228766 SEAT.												
		= NOT SERVICED; REPLACE WITH 1-5229042 TIP ASSY. AND 1-5228766 SEAT.												
		2.1238 - VALVE KIT, INJECTOR												
	5228313	VALVE KIT (INCLUDES ITEMS IN 2.1240 AND 2.1250)	AR	AR	AR	AR	AR	AR		AR				
	5228706	+ VALVE KIT (INCLUDES ITEMS IN 2.1250 AND 2.1255)							AR		AR	AR	AR	
		+ OBSOLETE.												
		2.1240 - VALVE ASSY., INJECTOR												
		INCLUDES ITEMS IN 2.1245 AND 2.1247.												
1A	5228316	VALVE ASSY.	1	1	1	1	1	1		1				
		2.1245 - VALVE, INJECTOR												
1A	5228308	VALVE	1	1	1	1	1	1		1				
		2.1247 - SEAT, INJECTOR VALVE												
1A	5228106	SEAT	1	1	1	1	1	1		1				
		2.1250 - SPRING, INJECTOR VALVE												
1A	5227210	SPRING	1	1	1	1	1	1		1				
1B	5228596	SPRING							1		1	1	1	1
		2.1255 - SEAT, INJECTOR VALVE SPRING												
1B	5228766	SEAT							1		1	1	1	1
		2.1257 - CAGE, INJECTOR VALVE SPRING												
1B	5228594	CAGE							1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 42	44	45	48	50	52	53	56	57	60	61	64
		2.1260 - STOP, INJECTOR VALVE												
1A	5227318	STOP	1	1	1	1	1	1		1				
		2.1265 - CAGE, INJECTOR VALVE												
1A	5228294	CAGE	1	1	1	1	1	1		1				
		2.1270 - CLAMP, INJECTOR												
1A,B	5121259	CLAMP	1	1	1	1	1	1	1	1	1	1	1	1
1A,B	5150250	WASHER	1	1	1	1	1	1	1	1	1	1	1	1
1A,B	179847	BOLT, 3/8"-16X2" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	71	73	77	78	79	80	81	82	83	90	91
		2.1001 - INJECTOR ASSY.												
		QUANTITIES SHOWN ARE (1) PER CYLINDER. INCLUDES ITEMS IN 2.1020 THRU 2.1265												
	5228715	INJECTOR ASSY. (6S8)	1											
1B	5228736	* INJECTOR ASSY. (HN65) (USE TYPE 83)		1										
1B	5228775	* INJECTOR ASSY. (N75) (USE TYPE 81)			1									
1B	5228785	# INJECTOR ASSY. (N55)				1								
1B	5228760	INJECTOR ASSY. (N60)					1							
1B	5228765	* INJECTOR ASSY. (N65) (USE TYPE 97)						1						
1B	5228770	# INJECTOR ASSY. (N70)							1					
1B	5228777	# INJECTOR ASSY. (N75)								1				
1B	5228780	# INJECTOR ASSY. (N80)									1			
1B	5228771	* INJECTOR ASSY. (HN65) (USE TYPE 80)										1		
1A	5228566	INJECTOR ASSY. (S65)											1	
	5228735	@ INJECTOR ASSY. (5S8)												1
		* NOT SERVICED AS AN ASSY.; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE TYPE SHOWN.												
		# INCLUDES ONE FILTER ELEMENT AT FUEL INLET SIDE ONLY.												
		@ NOT SERVICED AS AN ASSY.; COMPONENTS ARE AVAILABLE.												
		2.1002 - SERVICE KIT, INJECTOR												
		CONSISTS OF ONE (1) SEAL RING, TWO (2) FILTER CAP GASKETS, TWO (2) FILTER ELEMENTS AND TWO (2) SHIPPING CAPS.												
	5229649	SERVICE KIT	AR		AR	AR		AR	AR	AR	AR	AR	AR	AR
		2.1010 - CONTAINER, INJECTOR SHIPPING												
1A	5149669	CONTAINER (12.8050)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR
		2.1020 - BODY ASSY., INJECTOR												
1A	5228509	BODY ASSY. (INCLUDES DOWEL AND PLUGS)	1										1	1
1B	5228583	BODY ASSY. (INCLUDES DOWEL AND PLUGS)		1	1	1	1	1	1	1	1	1		
1A,B	5226416	DOWEL	1	1	1	1	1	1	1	1	1	1	1	1
	5226912	PLUG, BODY	2	2	2	2	2	2	2	2	2	2	2	2

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	71	73	77	78	79	80	81	82	83	90	91
		2.1020 - BODY ASSY., INJECTOR (CONT'D)												
1B	5228779	TAG, NUMBER (N60)					1							
1B	5228782	TAG, NUMBER (N70)							1					
1B	5228776	TAG, NUMBER (N55)				1								
1B	5228781	TAG, NUMBER (N65)						1						
	5229191	TAG, NUMBER (BLANK)	1	1	1	1	1	1	1	1	1	1	1	1
1B	5228786	TAG, NUMBER (N75)			1					1				
1B	5228787	TAG, NUMBER (N80)									1			
1A	5228568	TAG, NUMBER (S65)											1	
		2.1030 - NUT, INJECTOR VALVE												
1A	5228102	NUT	1										1	1
1B	5228601	NUT		1	1	1	1	1	1	1	1	1		
		2.1040 - RING, INJECTOR SEAL												
1A,B	5229167	RING	1	1	1	1	1	1	1	1	1	1	1	1
		2.1050 - DEFLECTOR, INJECTOR SPILL												
1A,B	5228109	DEFLECTOR	1	1	1	1	1	1	1	1	1	1	1	1
		2.1060 - FOLLOWER, INJECTOR												
1A,B	5228104	FOLLOWER	1	1	1	1	1	1	1	1	1	1	1	1
		2.1080 - SPRING, INJECTOR PLUNGER												
1A,B	5228739	SPRING	1	1	1	1	1	1	1	1	1	1	1	1
		2.1100 - PIN, INJECTOR STOP												
1B	5228608	PIN	1	1	1	1	1	1	1	1	1	1	1	1
		2.1110 - ELEMENT, INJECTOR FILTER												
1B	5228587	ELEMENT	2	2	2	1	2	2	1	1	1	2	2	2
		2.1120 - SPRING, INJECTOR FILTER												
1A	5226415	SPRING	2										2	2

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	71	73	77	78	79	80	81	82	83	90	91
		2.1130 - CAP, INJECTOR FILTER												
		KIT INCLUDES (1) EACH 5228587 ELEMENT IN 2.1110, 5228588 CAP IN 2.1130 AND 5226186 GASKET IN 2.1140.												
1A	**5226413** *	CAP	1										1	1
1B	**5228588**	CAP		1	1	1	1	1	1	1	1	1		
	5228882	CONVERSION KIT, FILTER CAP (2.1132)	AR										AR	AR
		* NOT SERVICED; USE CONVERSION KIT IN 2.1130.												
		2.1140 - GASKET, INJECTOR FILTER CAP												
1A,B	**5226186**	GASKET	2	2	2	2	2	2	2	2	2	2	2	2
		2.1150 - CAP, INJECTOR SHIPPING												
1B	**5226414**	CAP	AR	AR	AR			AR				AR	AR	AR
		2.1160 - PLUNGER AND BUSHING ASSY., INJECTOR												
		PLUNGERS AND BUSHINGS ARE NOT SOLD SEPARATELY. AN ASSY. INCLUDES PIN IN 2.1165.												
1A	**5228306**	PLUNGER AND BUSHING ASSY. (S60, 658)	1											
1A	**5228528**	PLUNGER AND BUSHING ASSY. (S55, 5S8) (S55, 5S8)												1
1B	**5228656**	PLUNGER AND BUSHING ASSY. (N60)					1							
1B	**5228682**	PLUNGER AND BUSHING ASSY. (N70, HN65)		1					1			1		
1B	**5228668**	PLUNGER AND BUSHING ASSY. (N55)				1								
1B	**5228658**	PLUNGER AND BUSHING ASSY. (N65, N75)			1			1		1				
1B	**5228661**	PLUNGER AND BUSHING ASSY. (N80)									1			
1A	**5228569**	PLUNGER AND BUSHING ASSY. (S65)											1	
		2.1165 - PIN, BUSHING GUIDE												
	5226393	PIN	1	1	1	1	1	1	1	1	1	1	1	1
		2.1170 - RACK, INJECTOR												
1A,B	**5226719**	RACK ASSY.	1	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	71	73	77	78	79	80	81	82	83	90	91
		2.1180 - GEAR, INJECTOR												
1A,B	**5226400**	GEAR	1	1	1	1	1	1	1	1	1	1	1	1
		2.1190 - RETAINER, INJECTOR GEAR												
1A	**5226567**	RETAINER	1										1	1
1B	**5228586**	RETAINER		1	1	1	1	1	1	1	1	1		
		2.1200 - VALVE, INJECTOR CHECK												
1A	**5226411**	VALVE	1										1	1
1B	**5228694**	VALVE		1	1	1	1	1	1	1	1	1		
		2.1205 - CAGE, INJECTOR CHECK VALVE												
1B	**5228696**	CAGE		1	1	1	1	1	1	1	1	1		
		2.1230 - TIP, INJECTOR SPRAY												
1A	**5228473**	TIP (S45, S50, S55, S60, S65)											1	
1A	**5228436**	TIP (6S8, 5S8)	1											1
		2.1235 - TIP ASSY., INJECTOR SPRAY												
		COMPONENTS OF TIP ASSY. ARE NOT SOLD SEPARATELY.												
1B	**5228653**	* TIP ASSY. (N70, HN65, N75)		1	1				1					
	5229026	TIP ASSY. (N55, N60, N65, 71N5)				1	1	1						
	5229192	TIP ASSY. (N75)								1				
	5229256	TIP ASSY. (HN65, N75, N80, M95)									1	1		
		* NOT SERVICED; REPLACE WITH 1-5229192 TIP ASSY. AND 1-5228766 SEAT.												
		2.1238 - VALVE KIT, INJECTOR												
	5228313	VALVE KIT (INCLUDES ITEMS IN 2.1240 AND 2.1250)	AR										AR	AR
	5228769	VALVE KIT (INCLUDES ITEMS IN 2.1250		AR	AR	AR	AR	AR	AR	AR	AR	AR		

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	71	73	77	78	79	80	81	82	83	90	91
		2.1238 - VALVE KIT, INJECTOR (CONT'D)												
		AND 2.1255)												
		2.1240 - VALVE ASSY., INJECTOR												
		INCLUDES ITEMS IN 2.1245 AND 2.1247.												
1A	5228316	VALVE ASSY.	1										1	1
		2.1245 - VALVE, INJECTOR												
1A	5228308	VALVE	1										1	1
		2.1247 - SEAT, INJECTOR VALVE												
1A	5228106	SEAT	1										1	1
		2.1250 - SPRING, INJECTOR VALVE												
1A	5227210	SPRING	1										1	1
1B	5228596	SPRING		1	1	1	1	1	1	1	1	1		
		2.1255 - SEAT, INJECTOR VALVE SPRING												
1B	5228766	SEAT		1	1	1	1	1	1	1	1	1		
		2.1257 - CAGE, INJECTOR VALVE SPRING												
1B	5228594	CAGE		1	1	1	1	1	1	1	1	1		
		2.1260 - STOP, INJECTOR VALVE												
1A	5227318	STOP	1										1	1
		2.1265 - CAGE, INJECTOR VALVE												
1A	5228294	CAGE	1										1	1
		2.1270 - CLAMP, INJECTOR												
1A,B	5121259	CLAMP	1	1	1	1	1	1	1	1	1	1	1	1
1A,B	5150250	WASHER	1	1	1	1	1	1	1	1	1	1	1	1
1A,B	179847	BOLT, 3/8"-16X2" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 92	97	100	115	127	129	175	184	192	197	199
		2.1001 - INJECTOR ASSY.											
		• FOR TYPE 153 USE TYPE 199. ▪ QUANTITIES SHOWN ARE (1) PER CYLINDER. INCLUDES ITEMS IN 2.1020 THRU 2.1265.											
1A	**5228850**	* INJECTOR ASSY. (71N5)	1										
1B	**5228900**	+ * INJECTOR ASSY. (N65)		1									
1B	**5228790**	* INJECTOR ASSY. (N90)			1								
1B	**5229365**	* INJECTOR ASSY. (C65)				1					1		
1B	**5229495**	* INJECTOR ASSY. (140)					1						
1B	**5228824**	* INJECTOR ASSY. (M60)							1				
1B	**5229845**	* INJECTOR ASSY. (9225)								1			
1B	**5229995**	* INJECTOR ASSY. (7N95)										1	
1B	**5229695**	* INJECTOR ASSY. (7C75)											1
1B	**5229560**	* INJECTOR ASSY. (B60)						1					
		+ NOT SERVICED, FOR SERVICE USE 5226440 INJECTOR ASSY. (7N65).											
		* INCLUDES ONE FILTER ELEMENT AT INLET SIDE ONLY.											
		2.1002 - SERVICE KIT, INJECTOR											
		CONSISTS OF ONE (1) SEAL RING, TWO (2) FILTER CAP GASKETS, TWO (2) FILTER ELEMENTS AND TWO (2) SHIPPING CAP S.											
	5229649	SERVICE KIT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1010 - CONTAINER, INJECTOR SHIPPING											
1A	**5149669**	CONTAINER (12.8050)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1020 - BODY ASSY., INJECTOR											
1B	**5228583**	BODY ASSY. (INCLUDES DOWEL PIN AND PLUGS)	1	1	1	1	1	1	1	1	1	1	1
1A,B	**5226416**	DOWEL	1	1	1	1	1	1	1	1	1	1	1
	5226912	PLUG, BODY				1	1	1	1	1	1	1	1
1B	**5228829**	TAG, NUMBER (71N5)	1										
1B	**5228781**	TAG, NUMBER (N65)		1									
1B	**5229089**	TAG, NUMBER (N90)			1								
1B	**5229018**	TAG, NUMBER (140)					1						
1B	**5229849**	TAG, NUMBER (9225)								1			
1B	**5229369**	TAG, NUMBER (C65)				1					1		
1B	**5229703**	TAG, NUMBER (7C75)											1
1B	**5229538**	TAG, NUMBER (B60)						1					
		2.1030 - NUT, INJECTOR VALVE											
1B	**5228601**	NUT	1	1	1	1	1	1	1	1	1	1	1
		2.1040 - RING, INJECTOR SEAL											
1A,B	**5229167**	RING	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 92	97	100	115	127	129	175	184	192	197	199
		2.1050 - DEFLECTOR, INJECTOR SPILL											
1A,B	5228109	DEFLECTOR	1	1	1	1	1	1	1	1	1	1	1
		2.1060 - FOLLOWER, INJECTOR											
1A,B	5228104	FOLLOWER	1	1	1	1	1	1	1	1	1	1	1
		2.1080 - SPRING, INJECTOR PLUNGER											
1A,B	5228739	SPRING	1	1	1	1		1	1		1	1	1
1A,B	5229518	SPRING (ALUMINUM STRIPE)					1			1			
		2.1100 - PIN, INJECTOR STOP											
1B	5228608	PIN	1	1	1	1	1	1	1	1	1	1	1
		2.1110 - ELEMENT, INJECTOR FILTER											
1B	5229778	ELEMENT (NYLON-FIBERGLASS; CONE TYPE)	1	1	1	1	1	1	1	1	1	1	1
		2.1130 - CAP, INJECTOR FILTER											
1B	5228588	CAP	2	2	2	2	2	2	2	2	2	2	2
		2.1140 - GASKET, INJECTOR FILTER CAP											
1A,B	5226186	GASKET	2	2	2	2	2	2	2	2	2	2	2
		2.1160 - PLUNGER AND BUSHING ASSY., INJECTOR											
		PLUNGERS AND BUSHINGS ARE NOT SOLD SEPARATELY. AN ASSY. INCLUDES PIN IN 2.1165.											
	5228749	PLUNGER AND BUSHING ASSY. (71NS)	1						1				
1B	5228928	PLUNGER AND BUSHING ASSY. (N65)		1									
1B	5228878	PLUNGER AND BUSHING ASSY. (N90)			1								
1B	5229657	PLUNGER AND BUSHING ASSY. (9225)								1			
1B	5229366	PLUNGER AND BUSHING ASSY. (C65)				1					1		
1B	5229513	PLUNGER AND BUSHING ASSY. (140)					1						
1B	5228658	PLUNGER AND BUSHING ASSY. (7C75)											1
1B	5229298	PLUNGER AND BUSHING ASSY. (7N95)										1	
1A	5229354	PLUNGER AND BUSHING ASSY. (B60)						1					
		2.1165 - PIN, BUSHING GUIDE											
	5226393	PIN	1	1	1	1	1	1	1	1	1	1	1
		2.1170 - RACK ASSY., INJECTOR											
1A,B	5226719	RACK ASSY.	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 92	97	100	115	127	129	175	184	192	197	199
		2.1180 - GEAR, INJECTOR											
1A,B	**5226400**	GEAR	1	1		1		1	1		1	1	1
1A,B	**5228802**	GEAR			1		1			1			
		2.1190 - RETAINER, INJECTOR GEAR											
1B	**5228586**	RETAINER	1	1	1	1	1	1	1	1	1	1	1
		2.1200 - VALVE, INJECTOR CHECK											
1B	**5228694**	VALVE	1	1	1	1	1	1	1	1	1	1	1
		2.1205 - CAGE, INJECTOR CHECK VALVE											
1B	**5228696**	CAGE	1	1	1	1	1	1	1	1	1	1	1
		2.1235 - TIP ASSY., INJECTOR SPRAY											
		COMPONENTS OF TIP ASSY. ARE NOT SOLD SEPARATELY.											
1B	**5229026**	TIP ASSY. (71N5)	1										
1B	**5229030**	TIP ASSY. (N65) (7N95)		1								1	
1B	**5229256**	TIP ASSY. (N90)			1								
1B	**5229192**	TIP ASSY. (C65) (7N65)				1			1		1		
1B	**5229516**	TIP ASSY. (140) (9225)					1			1			
1B	**5229636**	TIP ASSY. (7C75) (7G65)											1
	5229532	TIP ASSY. (B60)						1					
		2.1238 - VALVE KIT, INJECTOR											
	5228769	VALVE KIT (INCLUDES ITEMS IN 2.1250 AND 2.1255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1250 - SPRING, INJECTOR VALVE											
1B	**5228596**	SPRING	1	1	1	1	1	1	1	1	1	1	1
		2.1255 - SEAT, INJECTOR VALVE SPRING											
1B	**5228766**	SEAT	1	1	1	1	1	1	1	1	1	1	1
		2.1257 - CAGE, INJECTOR VALVE SPRING											
1B	**5228594**	CAGE	1	1	1	1	1	1	1	1	1	1	1
		2.1270 - CLAMP, INJECTOR											
1A,B	**5121259**	CLAMP	1	1	1	1	1	1	1	1	1	1	1
1A,B	**179847**	BOLT, 3/8"-16X2" (12.9001)	1	1	1	1	1	1	1	1	1	1	1
1A,B	**5150250**	WASHER	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 215	236	246	247	251	253	276	281
		2.1001 - INJECTOR ASSY.								
		QUANTITIES SHOWN ARE (1) PER CYLINDER. AN ASSY. INCLUDES ITEMS IN 2.1020 THRU 2.1265. • FOR TYPE 242 USE TYPE 247.■								
	5229985	* INJECTOR ASSY. (9210)	1							
	5229995	* INJECTOR ASSY. (7N95)		1						
	5229895	* INJECTOR ASSY. (7G65)			1					
	5226440	* INJECTOR ASSY. (7N65)				1				
	5229820	* INJECTOR ASSY. (7E75)					1			
	5226585	* INJECTOR ASSY. (7A15)						1		
	5226795	* INJECTOR ASSY. (M15)							1	
	5226850	* INJECTOR ASSY. (9225)								1
		* INCLUDES ONE FILTER ELEMENT AT INLET SIDE ONLY.								
		2.1002 - SERVICE KIT, INJECTOR								
		CONSISTS OF ONE (1) SEAL RING, TWO (2) FILTER CAP GASKETS, TWO (2) FILTER ELEMENTS AND TWO (2) SHIPPING CAP S.								
	5229649	SERVICE KIT	AR	AR	AR	AR	AR	AR	AR	AR
		2.1010 - CONTAINER, INJECTOR SHIPPING								
1A	**5149669**	CONTAINER (12.8050)	AR	AR	AR	AR	AR	AR	AR	AR
		2.1020 - BODY ASSY., INJECTOR								
1B	**5228583**	BODY ASSY. (INCLUDES DOWEL PIN AND PLUGS)	1	1	1	1	1	1	1	1
1A,B	**5226416**	DOWEL	1	1	1	1	1	1	1	1
	5226912	PLUG, BODY	1	1	1	1	1	1	1	1
1B	**5229983**	TAG, NUMBER (9210)	1							
1B	**5229959**	TAG, NUMBER (7N95)		1						
1B	**5229926**	TAG, NUMBER (7G65)			1					
1B	**5226241**	TAG, NUMBER (7N65)				1				
1B	**5229811**	TAG, NUMBER (7E75)					1			
1B	**5226596**	TAG, NUMBER (7A15)						1		
	NPN	TAG, NUMBER (M15)							1	
	NPN	TAG, NUMBER (9225)								1
		2.1030 - NUT, INJECTOR								
1B	**5228601**	NUT	1	1	1	1	1	1	1	1
		2.1040 - RING, INJECTOR SEAL								
1B	**5229167**	*RING*	1	1	1	1	1	1	1	1
		2.1050 - DEFLECTOR, INJECTOR SPILL								
1A,B	**5228109**	DEFLECTOR	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 215	236	246	247	251	253	276	281
		2.1060 - FOLLOWER, INJECTOR								
1A,B	**5228104**	FOLLOWER	1	1	1	1	1	1	1	1
		2.1080 - SPRING, INJECTOR PLUNGER								
1A,B	**5228739**	SPRING		1	1	1	1			
1B	**5229518**	SPRING	1					1	1	1
		2.1100 - PIN, INJECTOR STOP								
1B	**5228608**	PIN	1	1	1	1	1	1	1	1
		2.1110 - ELEMENT, INJECTOR FILTER								
1B	**5229778**	ELEMENT (NYLON-FIBERGLASS; CONE TYPE)	1	1	1	1	1	1	1	1
		2.1130 - CAP, INJECTOR FILTER								
1B	**5228588**	CAP	2	2	2	2	2	2	2	2
		2.1140 - GASKET, INJECTOR FILTER CAP								
1A,B	**5226186**	GASKET	2	2	2	2	2	2	2	2
		2.1160 - PLUNGER AND BUSHING ASSY., INJECTOR								
1B	**5229298**	PLUNGER AND BUSHING ASSY. (9210, 7N95)	1	1						
1B	**5229916**	PLUNGER AND BUSHING ASSY. (7G65)			1					
1B	**5226298**	PLUNGER AND BUSHING ASSY. (7N65)				1				
1B	**5229808**	PLUNGER AND BUSHING ASSY. (7E75)					1			
1B	**NPN**	PLUNGER AND BUSHING ASSY. (7A15)						1		
	5228804	PLUNGER AND BUSHING ASSY. (M15)							1	
	NPN	PLUNGER AND BUSHING ASSY. (9225)								1
		2.1165 - PIN, BUSHING GUIDE								
	5226393	PIN	1	1	1	1	1	1	1	1
		2.1170 - RACK ASSY., INJECTOR								
1A,B	**5226719**	RACK ASSY.	1	1	1	1	1	1	1	1
		2.1180 - GEAR, INJECTOR								
1A,B	**5226400**	GEAR			1	1	1			
1B	**5228802**	GEAR	1	1				1	1	
	NPN	GEAR								1
		2.1190 - RETAINER, INJECTOR GEAR								
1B	**5228586**	RETAINER	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 215	236	246	247	251	253	276	281
		2.1200 - VALVE, INJECTOR CHECK								
1B	**5228694**	VALVE	1	1	1	1	1	1	1	1
		2.1205 - CAGE, INJECTOR CHECK VALVE								
1B	**5228696**	CAGE	1	1	1	1	1	1	1	1
		2.1235 - TIP ASSY., INJECTOR SPRAY								
		COMPONENTS OF TIP ASSY. ARE NOT SERVICED SEPARATELY.								
1B	**5229516**	TIP ASSY. (9210, M15)	1						1	
1B	**5229256**	TIP ASSY. (7N95)		1						
	5229636	TIP ASSY. (7G65)			1					
1B	**5229192**	TIP ASSY. (7N65)				1				
1B	**5229642**	TIP ASSY. (7E75)					1			
1B	**NPN**	TIP ASSY. (7A15)						1		
	NPN	TIP ASSY. (9225)								1
		2.1238 - VALVE KIT, INJECTOR								
	5228769	VALVE KIT (INCLUDES ITEMS IN 2.1250 AND 2.1255)	AR	AR	AR	AR				
		2.1250 - SPRING, INJECTOR VALVE								
1B	**5228596**	SPRING	1	1	1	1	1			
1B	**5226359**	SPRING (HIGH OUTPUT)						1	1	
	NPN	SPRING								1
		2.1255 - SEAT, INJECTOR VALVE SPRING								
1B	**5228766**	SEAT	1	1	1	1	1			
1B	**5226246**	SEAT (HIGH OUTPUT)						1	1	
	NPN	SEAT								1
		2.1257 - CAGE, INJECTOR VALVE SPRING								
	5228594	CAGE	1	1	1	1	1	1	1	1
		2.1270 - CLAMP, INJECTOR								
1A	**5121259**	CLAMP	1	1	1	1	1	1	1	1
1A	**179847**	BOLT, 3/8"-16X2" (12.9001)	1	1	1	1	1	1	1	1
1A	**5150250**	WASHER	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 92	97	100	115	127	175	192	197	199	242	246	247	253
		2.1170 - RACK ASSY., INJECTOR													
1A,8	**5226719**	RACK ASSY.	1	1	1	1	1	1	1	1	1		1		
		2.1180 - GEAR, INJECTOR													
1A,B	**5226400**	GEAR	1	1		1		1	1	1	1		1		
1A,B	**5228802**	GEAR			1		1								
		2.1190 - RETAINER, INJECTOR GEAR													
1B	**5228586**	RETAINER	1	1	1	1	1	1	1	1	1		1		
		2.1200 - VALVE, INJECTOR CHECK													
1B	**5228694**	VALVE	1	1	1	1	1	1	1	1	1		1		
		2.1205 - CAGE, INJECTOR CHECK VALVE													
1B	**5228696**	CAGE	1	1	1	1	1	1	1	1	1		1		
		2.1235 - TIP ASSY., INJECTOR SPRAY													
		COMPONENTS OF TIP ASSY. ARE NOT SOLD SEPARATELY.													
1B	**5229026**	TIP ASSY. (71N5)	1												
1B	**5229030**	TIP ASSY. (N65)		1						1					
1B	**5229256**	TIP ASSY. (N90)			1										
1B	**5229192**	TIP ASSY. (C65)				1		1	1						
1B	**5229516**	TIP ASSY. (140)					1								
1B	**5229636**	TIP ASSY. (7C75) (7G65)									1		1		
		2.1238 - VALVE KIT, INJECTOR													
	5228769	VALVE KIT (INCLUDES ITEMS IN 2.1250 AND 2.1255)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR		
		2.1250 - SPRING, INJECTOR VALVE													
1B	**5228596**	SPRING	1	1	1	1	1	1	1	1	1		1		
		2.1255 - SEAT, INJECTOR VALVE SPRING													
1B	**5228766**	SEAT	1	1	1	1	1	1	1	1	1		1		

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 92	97	100	115	127	175	192	197	199	242	246	247	253
		2.1257 - CAGE, INJECTOR VALVE SPRING													
1B	**5228594**	CAGE	1	1	1	1	1	1	1	1	1		1		
		2.1270 - CLAMP, INJECTOR													
1A,B	**5121259**	CLAMP	1	1	1	1	1	1	1	1	1	1	1	1	1
1A,B	**179847**	BOLT, 3/8"-16X2" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1
1A,B	**5150250**	WASHER	1	1	1	1	1	1	1	1	1	1	1	1	1

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8	28	44	45	49	51	53	56	61	63	71	88
	2.2001	**- PUMP ASSY., FUEL**												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. A FUEL PUMP KIT INCLUDES A 3/8" INLET PUMP, GASKET IN 2.2007 AND REDUCING BUSHING IN 2.2030.												
2A	**5184531**	# PUMP ASSY. (A, B ENG.) GEAR TYPE (1/4" INLET) (PAGE A1)	1											
2A	**5134705**	# PUMP ASSY. (A, B ENG.) GEAR TYPE (3/8" INLET) (PAGE A1)											1	
2A	**5199560**	PUMP KIT, FUEL (A, B ENG.) (PAGE A1)	1										1	
2A	**5111366**	□ + PUMP ASSY. (A, B ENG.) GEAR TYPE (1/4" INLET) (PAGE A1) (5199560)			1									
2A	**5134715**	□ + PUMP ASSY. (A, B ENG.) GEAR TYPE (3/8" INLET) (PAGE A1) (5199560)												1
2A	**5199562**	□ PUMP KIT, FUEL (A, B ENG.) (PAGE A1) (5199560)			1									1
	5172926	@ PUMP ASSY. (AUX.) (TUTHILL #00L1) (CCW)		1										
2A	**5128213**	& PUMP ASSY. (L.H.) (3/8" INLET) HIGH CAPACITY (PAGE A1)				1								
	5108900	@ = PUMP ASSY. (AUX.) (TUTHILL #9L90 GPH) (CCW) (5101373)					1							
	5172938	@ PUMP ASSY. (PRIMER) (DEMING #DR-3801 1/2)		1			1		1			1		
	5146703	□ PUMP ASSY. (L.H.) (3/8" INLET) HIGH CAPACITY (PAGE B1) (5199735)								1				
	5199733	% PUMP KIT, FUEL (PAGE B1)								1				
2A	**5100305**	# PUMP ASSY. (L.H.) (3/8" INLET) HIGH CAPACITY (PAGE A1)						1						
	5199735	PUMP KIT, FUEL (PAGE B1)						1						
2A	**5110760**	PUMP ASSY. (PRIMER) (PAGE A1) (12.6655)									1			
	5174731	= PUMP ASSY. (AUX.) (TUTHILL #00L1) (CW) (5101092)										1		
	5145014	PLUG, 3/8" PIPE (12.9550)				1				1				
	5136240	PLUG,	2		2								2	2
	5136241	PLUG,	1		1								1	1
	5146393	BUSHING, 3/8"X1/2" RED.					2							
	189060	BUSHING, 3/4X1/4" RED. PIPE (12.9570)					2		2					
	190367	ELBOW, 1/4" STREET (12.9590)					1		1					
	5128927	ELBOW, 5/16" RESTRICTED (.080") (2.4001)					1		1					
	9432249	ELBOW, 3/8" INV. FL. TUBE (12.9480)					2		2					
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)					4		4					
	105405	NIPPLE, 1/4"X7/8" (12.9560)					2		3					
	178661	TEE, 3/8" FL. TUBE (12.9496)					1		2					
	442348	TEE, 3/8" INV. FL. TUBE (12.9490)					1		1					
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)					1		1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					2		2					
	5145009	PLUG, 1/8" PIPE (12.9550)						1		1				
	5131685	BOLT, 5/16"-18 X 7/8" (5.1031)	3		3	3		3		3			3	3
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)					2		2					
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)			2		2		2			2		
	103321	LOCKWASHER, 3/8" (12.9200)					AR		AR					
	103322	LOCKWASHER, 7/16" (12.9200)		AR			AR		AR			AR		
	137399	NUT, 3/8" INV. FL. TUBE (12.9460)					1		1					
	117049	NUT, 3/8"-24 (12.9120)					2		2					

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8	28	44	45	49	51	53	56	61	63	71	88
		2.2001 - PUMP ASSY., FUEL (CONT'D)												
		# NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PUMP KIT SHOWN IN SAME TYPE.												
		@ SERVICED AS COMPLETE ASSY. ONLY. FOR REPLACEMENT PARTS CONTACT TUTHILL PUMP CO., CHICAGO, ILLINOIS OR THE DEMING PUMP COMPANY, SALEM, OHIO, FURNISHING THEIR NUMBER SHOWN IN PARENTHESES.												
		& NOT SERVICED AS AN ASSY., COMPONENTS ARE AVAILABLE. FOR REPLACEMENT USE 5146343.												
		= NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES PLUS (2) 5146393.												
		+ USE WHEN FUEL TANK IS MOUNTED HIGHER THAN FUEL PUMP.												
		% NOT SERVICED; USE 5199735.												
		□ NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES.												
		2.2004 - OVERHAUL KIT, FUEL PUMP												
	5195078	# OVERHAUL KIT	AR		AR								AR	AR
	5149599	# OVERHAUL KIT						AR		AR				
		# INCLUDES PLUGS IN 2.2001 PLUS ITEMS IN 2.2007, 2.2070, 2.2087, 2.2089, 2.2093, 2.2130, 2.2160 AND 2.2180.												
		2.2007 - GASKET, FUEL PUMP TO ENGINE												
2A	**5150193**	GASKET (5.1010)	1		1	1		1		1			1	1
	5172915	GASKET		1			1		1			1		
		2.2015 - BRACKET, FUEL PUMP-HIGH LIFT												
	5132009	BRACKET (12.6658)									1			
		2.2220 - FORK, FUEL PUMP COUPLING												
2A	**5102257**	FORK	1		1	1		1		1	1		1	1
		2.2228 - DISC, FUEL PUMP DRIVE												
	5131627	* DISC (21 TEETH) (1.7630)		1			1		1			1		
	5153449	# DISC (23 TEETH) (1.7630)		1			1		1			1		
	5177026	SPACER (1.7630)		1			1		1			1		
	5176474	BOLT, 3/8"-24X1 1/8" (1.7630)		4			4		4			4		
		* EFFECTIVE WITH 8VA-20436, 12VA-5673, 16VA-1186.												
		# THRU 8VA-20435, 12VA-5672, 16VA-1185.												

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8	28	44	45	49	51	53	56	61	63	71	88
		2.2230 - COUPLING, FUEL PUMP DRIVE												
	5143616	* COUPLING (21 EXTERNAL TEETH) (1.7635)		1			1					1		
	3292492	# COUPLING (23 EXTERNAL TEETH) (1.7635)		1			1					1		
		* EFFECTIVE WITH 8VA-20436, 12VA-5673, 16VA-1186.												
		# THRU 8VA-20435, 12VA-5672, 16VA-1185.												
		2.2260 - ADAPTOR, FUEL PUMP DRIVE												
	5125179	ADAPTOR		1			1		1			1		
	179858	BOLT, 7/16"-14X1" (12.9001)		1			1		1			1		
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		4			4		4			4		
		2.2290 - GEAR, FUEL PUMP DRIVE												
	5172916	GEAR (DRIVEN)		1			1		1			1		
	106958	KEY, 1/16"X1/2" WOODRUFF (12.9350)		1			1		1			1		
	140881	SCREW, #10-32X5/16" SET (12.9076)		1			1		1			1		

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 93	95	97	100	106	108	110	120	121	122	123
	2.2001	- *PUMP ASSY., FUEL*											
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. A FUEL PUMP KIT INCLUDES A 3/8" INLET PUMP, GASKET IN 2.2007 AND REDUCING BUSHING IN 2.2030.											
	5172926	* PUMP ASSY. (AUX.) (TUTHILL #00L1) (CCW)								1			
	5108900	* = PUMP ASSY. (AUX.) (TUTHILL #9L90 GPH) (CCW) (5101373)	1									1	
	5119881	* PUMP ASSY. (AUX.) (TUTHILL #0L90 GPH) (CW)		1									1
	5172938	* PUMP ASSY. (PRIMER) (DEMING #DR-3801 1/2)	1	1								1	
	5199735	PUMP KIT, FUEL (PAGE B1)							1				
2A	**5110760**	*PUMP ASSY. (PRIMER) (PAGE A1)* (12.6655)				1		1	1				
	5174731	= PUMP ASSY. (AUX.) (TUTHILL #00L1) (CW) (5101092)									1		
2A	**5146700**	@ PUMP ASSY. (L.H.) (3/8" INLET) HIGH CAPACITY (PAGE B1) (5107676)			1								
2A	**5108065**	PUMP ASSY. (L.H.) (3/8" INLET) HIGH CAPACITY (PAGE A1)					1						
2A	**5146699**	@ PUMP ASSY. (L.H.) (3/8" INLET) HIGH CAPACITY (PAGE B1) (5108065)					1						
	5145014	PLUG, 3/8" PIPE (12.9550)			1								
	5136240	PLUG,			2								
	5136241	PLUG,			1								
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)							1				
	5146393	BUSHING, 3/8"X1/2" RED.	2								2	2	
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)							1				
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)							1				
	5131685	BOLT, 5/16"-18 X 7/8" (5.1031)			3		3						
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	2	2						2	2	2	2
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR						AR	AR	AR	AR
		* SERVICED AS COMPLETE ASSY. ONLY. *FOR REPLACEMENT PARTS CONTACT* TUTHILL PUMP CO., CHICAGO, ILLINOIS OR THE DEMING PUMP COMPANY, SALEM, OHIO, FURNISHING THEIR NUMBERS SHOWN IN PARENTHESES.											
		= NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES PLUS (2) 5146393.											
		@ NOT SERVICED; COMPONENTS ARE AVAILABLE FOR COMPLETE REPLACEMENT USE NUMBER IN PARENTHESES.											
	2.2004	- **OVERHAUL KIT, FUEL PUMP**											
	5149599	# OVERHAUL KIT			AR								
		# INCLUDES PLUGS IN 2.2001 PLUS ITEMS IN 2.2007, 2.2070, 2.2087, 2.2089, 2.2093, 2.2130, 2.2160 AND 2.2180.											

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 93	95	97	100	106	108	110	120	121	122	123
		2.2007 - GASKET, FUEL PUMP TO ENGINE											
2A	5150193	GASKET (5.1010)			1		1						
	5172915	GASKET	1	1						1	1	1	1
		2.2015 - BRACKET, FUEL PUMP-HIGH LIFT											
	5140237	BRACKET (12.6658)				1							
	5143101	BRACKET						1					
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)						2					
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)						2					
		2.2220 - FORK, FUEL PUMP COUPLING											
2A	5102257	FORK			1		1						
		2.2228 - DISC, FUEL PUMP DRIVE											
	5131627	@ DISC (21 TEETH) (1.7630)	1	1									
	5177026	SPACER (1.7630)	1	1									
	5170450	PLATE (METAL) (1.7630)								1	1	1	1
	5145092	BOLT, 3/8"-24X1.20"								4	4	4	4
	5176474	BOLT, 3/8"-24X1 1/8" (1.7630)	4	4									
		* FIG. 10A OF 1.0000.											
		@ EFFECTIVE WITH 8VA-20436, 12VA-5673, 16VA-1186.											
		2.2230 - COUPLING, FUEL PUMP DRIVE											
	5143616	@ COUPLING (21 EXTERNAL TEETH) (1.7635)	1	1						1	1	1	1
		@ EFFECTIVE WITH 8VA-20436, 12VA-5673, 16VA-1186.											
		2.2260 - ADAPTOR, FUEL PUMP DRIVE											
	5125179	ADAPTOR	1	1						1	1	1	1
	179858	BOLT, 7/16"-14X1" (12.9001)	1	1						1	1	1	1
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4	4						4	4	4	4
		2.2290 - GEAR, FUEL PUMP DRIVE											
	5172916	GEAR (DRIVEN)	1	1						1	1	1	1
	106958	KEY, 1/16"X1/2" WOODRUFF (12.9350)	1	1						1	1	1	1
	140881	SCREW, #10-32X5/16" SET (12.9076)	1	1						1	1	1	1

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 126	146	150	153	154	157	174	175	176	177
		2.2001 - PUMP ASSY., FUEL										
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. A FUEL PUMP KIT INCLUDES A 3/8" INLET PUMP, GASKET IN 2.2007 AND REDUCING BUSHING IN 2.2030.										
2A	**5146343**	# PUMP ASSY. (L.H.) 3/8" INLET HIGH CAPACITY (PAGE B1)		1								
2A	**5146703**	+ # PUMP ASSY. (L.H.) 3/8" HIGH CAPACITY (PAGE B1) (5199735)				1						
2A	**5146700**	+ PUMP ASSY. (L.H.) 3/8" INLET HIGH CAPACITY (5107676) (PAGE B1)					1					
2A	**5146699**	* PUMP ASSY. (L.H.) CAPACITY (PAGE B1)						1				
2A	**5107676**	PUMP ASSY. (L.H.)								1		
2A	**5108065**	PUMP ASSY. (L.H.)									1	
	5199560	PUMP KIT, FUEL (PAGE A1)	1						1			
	5199735	PUMP KIT, FUEL (PAGE B1)		1		1						1
	5199562	+ PUMP KIT, FUEL (PAGE A1) (5199560)			1							
	5199733	@ PUMP KIT, FUEL (PAGE B1)				1						
	5145009	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2	1		2	1	2
	444687	PLUG, 1/8" PIPE (12.9550)							2			
	5145014	PLUG, 3/8" PIPE (12.9550)		1	1	1	1			1		1
	5131685	BOLT (WITH SEAL WASHER) (5.1031)	3	3	3	3	3	3	3	3	3	3
		# NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PUMP KIT SHOWN IN SAME TYPE.										
		* NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE 5108065.										
		@ NOT SERVICED, USE 5199735.										
		+ NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.										
		2.2004 - OVERHAUL KIT, FUEL PUMP										
	5195078	@ OVERHAUL KIT	1		1							
	5149599	@ OVERHAUL KIT		1		1	1	1	1	1	1	1
		@ INCLUDES PLUGS IN 2.2001 PLUS ITEMS 2.2007, 2.2070, 2.2087, 2.2089, 2.2093, 2.2130, 2.2160 AND 2.2180.										
		2.2007 - GASKET, FUEL PUMP TO ENGINE										
2A	**5150193**	GASKET (5.1010)	1	1	1	1	1	1	1	1	1	1
		2.2220 - FORK, FUEL PUMP COUPLING										
2A	**5102257**	FORK	1	1	1	1	1	1	1	1	1	1

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 93	95	97	100	106	108	110	120	121	122	123
		2.2001 - PUMP ASSY., FUEL											
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. A FUEL PUMP KIT INCLUDES A 3/8" INLET PUMP, GASKET IN 2.2007 AND REDUCING BUSHING IN 2.2030.											
	5172926	* PUMP ASSY. (AUX.) (TUTHILL #00L1) (CCW)								1			
	5108900	* = PUMP ASSY. (AUX.) (TUTHILL #9L90 GPH) (CCW) (5101373)	1									1	
	5119881	* PUMP ASSY. (AUX.) (TUTHILL #0L90 GPH) (CW)		1									1
	5172938	* PUMP ASSY. (PRIMER) (DEMING #DR-3801 1/2)	1	1								1	
	5199735	PUMP KIT, FUEL (PAGE B1)							1				
2A	5110760	PUMP ASSY. (PRIMER) (PAGE A1) (12.6655)				1		1	1				
	5174731	= PUMP ASSY. (AUX.) (TUTHILL #00L1) (CW) (5101092)									1		
2A	5146700	@ PUMP ASSY. (L.H.) (3/8" INLET) HIGH CAPACITY (PAGE B1) (5107676)			1								
2A	5108065	PUMP ASSY. (L.H.) (3/8" INLET) HIGH CAPACITY (PAGE A1)					1						
2A	5146699	@ PUMP ASSY. (L.H.) (3/8" INLET) HIGH CAPACITY (PAGE B1) (5108065)					1						
	5145014	PLUG, 3/8" PIPE (12.9550)			1								
	5136240	PLUG			2								
	5136241	PLUG			1								
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)							1				
	5146393	BUSHING, 3/8"X1/2" RED.	2								2	2	
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)							1				
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)							1				
	5131685	BOLT, 5/16"-18 X 7/8" (5.1031)			3		3						
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	2	2						2	2	2	2
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR						AR	AR	AR	AR

* SERVICED AS COMPLETE ASSY. ONLY. FOR REPLACEMENT PARTS CONTACT TUTHILL PUMP CO., CHICAGO, ILLINOIS OR THE DEMING PUMP COMPANY, SALEM, OHIO, FURNISHING THEIR NUMBERS SHOWN IN PARENTHESES.

= NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES PLUS (2) 5146393.

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 93	95	97	100	106	108	110	120	121	122	123
		2.2001 - PUMP ASSY., FUEL (CONT'D)											
		USE PUMP KIT SHOWN IN SAME TYPE.											
		@ NOT SERVICED; COMPONENTS ARE AVAILABLE FOR COMPLETE REPLACEMENT USE NUMBER IN PARENTHESES.											
		2.2004 - OVERHAUL KIT, FUEL PUMP											
	5149599	# OVERHAUL KIT			AR								
		# INCLUDES PLUGS IN 2.2001 PLUS ITEMS IN 2.2007, 2.2070, 2.2087, 2.2089, 2.2093, 2.2130, 2.2160 AND 2.2180.											
		2.2007 - GASKET, FUEL PUMP TO ENGINE											
2A	**5150193**	GASKET (5.1010)			1		1						
	5172915	GASKET	1	1						1	1	1	1
		2.2015 - BRACKET, FUEL PUMP											
	5140237	BRACKET (12.6658)				1							
	5143101	BRACKET						1					
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)						2					
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)						2					
		2.2220 - FORK, FUEL PUMP COUPLING											
2A	**5102257**	FORK			1		1						
		2.2228 - DISC, FUEL PUMP DRIVE											
	5131627	@ DISC (21 TEETH) (1.7630)	1	1									
	5177026	SPACER (1.7630)	1	1									
	5170450	PLATE (METAL) (1.7630)								1	1	1	1
	5145092	BOLT, 3/8"-24X1.20"								4	4	4	4
	5176474	BOLT, 3/8"-24X1 1/8" (1.7630)	4	4									
		* *FIG. 10A OF 1.0000.*											
		@ EFFECTIVE WITH 8VA-20436, 12VA-5673, 16VA-1186.											
		2.2230 - COUPLING, FUEL PUMP DRIVE											
	5143616	@ COUPLING (21 EXTERNAL TEETH) (1.7635)	1	1						1	1	1	1
		@ EFFECTIVE WITH 8VA-20436,											

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 93	95	97	100	106	108	110	120	121	122	123
		2.2230 - COUPLING, FUEL PUMP DRIVE (CONT'D)											
		12VA-5673, 16VA-1186.											
		2.2260 - ADAPTOR ASSY., FUEL PUMP DRIVE											
	5125179	ADAPTOR	1	1						1	1	1	1
	179858	BOLT, 7/16"-14X1" (12.9001)	1	1						1	1	1	1
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4	4						4	4	4	4
		2.2290 - GEAR, FUEL PUMP DRIVE											
	5172916	GEAR (DRIVEN)	1	1						1	1	1	1
	106958	KEY, 1/16"X1/2" WOODRUFF (12.9350)	1	1						1	1	1	1
	140881	SCREW, #10-32X5/16" SET (12.9076)	1	1						1	1	1	1

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 126	146	150	153	154	157	174	175	176	177
	2.2001	**- PUMP ASSY., FUEL**										
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. A FUEL PUMP KIT INCLUDES A 3/8" INLET PUMP, GASKET IN 2.2007 AND REDUCING BUSHING IN 2.2030.										
2A	**5146343**	# PUMP ASSY. (L.H.) 3/8" INLET HIGH CAPACITY (PAGE B1)		1								
2A	**5146703**	+ # PUMP ASSY. (L.H.) 3/8" HIGH CAPACITY (PAGE B1) (5199735)				1						
2A	**5146700**	+ PUMP ASSY. (L.H.) 3/8" INLET HIGH CAPACITY (5107676) (PAGE B1)					1					
2A	**5146699**	* PUMP ASSY. (L.H.) CAPACITY (PAGE B1)						1				
2A	**5107676**	PUMP ASSY. (L.H.)								1		
2A	**5108065**	PUMP ASSY. (L.H.)									1	
	5199560	PUMP KIT, FUEL (PAGE A1)	1						1			
	5199735	PUMP KIT, FUEL (PAGE B1)		1		1						1
	5199562	+ PUMP KIT, FUEL (PAGE A1) (5199560)			1							
	5199733	@ PUMP KIT, FUEL (PAGE B1)				1						
	5145009	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2	1		2	1	2
	444687	PLUG, 1/8" PIPE (12.9550)							2			
	5145014	PLUG, 3/8" PIPE (12.9550)		1	1	1	1			1		1
	5131685	BOLT (WITH SEAL WASHER) (5.1031)	3	3	3	3	3	3	3	3	3	3
		# NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PUMP KIT SHOWN IN SAME TYPE.										
		* NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE 5108065.										
		@ NOT SERVICED, USE 5199735.										
		+ NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.										
	2.2004	**- OVERHAUL KIT, FUEL PUMP**										
	5195078	@ OVERHAUL KIT	1		1							
	5149599	@ OVERHAUL KIT		1		1	1	1	1	1	1	1
		@ INCLUDES PLUGS IN 2.2001 PLUS ITEMS IN 2.2007, 2.2070, 2.2087, 2.2089, 2.2093, 2.2130, 2.2160 AND 2.2180.										
	2.2007	**- GASKET, FUEL PUMP TO ENGINE**										
2A	**5150193**	GASKET (5.1010)	1	1	1	1	1	1	1	1	1	1
	2.2220	**- FORK, FUEL PUMP COUPLING**										
2A	**5102257**	FORK	1	1	1	1	1	1	1	1	1	1

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2001 - PUMP ASSY., FUEL														
		A FUEL PUMP KIT INCLUDES A 3/8" INLET PUMP IN 2.2001, GASKET IN 2.2007 PLUS REDUCING BUSHING IN 2.2030.														
2A	**5199560**	PUMP KIT (A, B ENG.)		1												
2A	**5184531**	# PUMP ASSY. (A,B ENG.) GEAR TYPE (5199560)	1													
2A	**5134705**	# PUMP ASSY. (A,B ENG.) GEAR TYPE (5199560)		1												
2A	**5199562**	# PUMP KIT, FUEL (A, B ENG.) (5199560)				1										
2A	**5111366**	# PUMP ASSY. (A, B ENG.) GEAR TYPE (5199560)			1											
2A	**5134715**	# PUMP ASSY. (A, B ENG.) GEAR TYPE (5199560)				1										
2A	**5128213**	& PUMP ASSY. (L.H.) HIGH CAPACITY (5146343)					1									
	5100307	# PUMP ASSY. (L.H.) HIGH CAPACITY (5199735)						1								
	5100305	& PUMP ASSY. (L.H.) HIGH CAPACITY (5146343)							1							
2A	**5110760**	PUMP ASSY. (PRIMER) (12.6655)								1						
	5134704	# PUMP ASSY. (L.H.) HIGH CAPACITY (5107676)									1					
2A	**5108065**	PUMP ASSY. (L.H.) HIGH CAPACITY & NOT SERVICED, USE PUMP ASSY. SHOWN IN PARENTHESES PLUG (1) 5145009 PLUG										1				
		2.2007 - GASKET, FUEL PUMP TO ENGINE														
2A	**5150193**	% GASKET (5.1010) % PART OF FUEL PUMP KITS IN 2.2001.		1		1										
		2.2010 - BODY, FUEL PUMP														
2A	**5146337**	BODY	1	1	1	1										
2A	**5135049**	+ BODY (LUBRITED) (5146682)										1				
2A	**5100311**	– BODY (5146339)						1	1		1					
2A	**5128827**	# BODY ASSY. (5199735)					1									
2A	**141195**	PIN, 1/4"X5/8" DOWEL (12.9290) – NOT SERVICED, USE BODY SHOWN IN PARENTHESES AND INCLUDE 1-5145009 PLUG.	1	1	1	1		1	1		1	2				

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2010 - BODY, FUEL PUMP (CONT'D)														
		# ASSEMBLY NOT SERVICED, USE PUMP ASSY. SHOWN IN PARENTHESES.														
		2.2030 - COVER, FUEL PUMP														
2A	**5174962**	= COVER	1		1		1									
2A	**5128219**	# COVER (5146342)						1	1		1					
2A	**5100301**	COVER		1		1						1				
2A	**5134560**	COVER														
2A	**5134708**	COVER														
	5198558	% BUSHING, 3/8"X1/4" RED.	1		1											
	3719219	BOLT, 1/4"-20X3/4" (INCLUDES LOCKWASHER)	8	8	8	8	8	8	8		8	8				
	179803	BOLT, 1/4"-20X1 3/4" (12.9001)					4	4	4							
2A	**120380**	LOCKWASHER, 1/4" (12.9200)					4	4	4							
		= NOT SERVICED, USE 5134560 AND INCLUDE 1-5198558 REDUCING BUSHING IN 2.2030 TO ASSURE INTERCHANGEABILITY.														
		% PART OF FUEL PUMP KITS IN 2.2001.														
		2.2035 - VALVE ASSY., FUEL PUMP CHECK														
	5134673	BALL, 1/4" NYLON (2.2130)										1				
	9417463	PIN (12.9275)										1				
	5134674	PLUG, 3/8" SPECIAL (2.2170)										1				
	5152148	WASHER, 3/8"X9/16" SEAL (2.4050)										1				
		2.2070 - SEAL, FUEL PUMP OIL														
2A	**5230007**	SEAL	2	2	2	2	2	2	2		2	2				
	5199460	* SEAL (RING) (12.6656)								2						
		* NO LONGER AVAILABLE FOR SERVICE.														
		2.2087 - GEAR, FUEL PUMP (DRIVE)														
	5174975	GEAR	1	1	1	1										
	5128217	GEAR					1	1	1		1	1				
	147481	BALL, 1/8" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1	1	1				
		2.2088 - GEAR, FUEL PUMP DRIVEN														
2A	**5124529**	* GEAR					1									
		* NO LONGER AVAILABLE FOR SERVICE.														

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2089 - SHAFT, FUEL PUMP DRIVEN														
		A SHAFT ASSY. INCLUDES GEAR WHICH IS *NOT SOLD SEPARATELY.*														
2A	**5181747**	SHAFT ASSY.	1	1	1	1		1	1		1					
2A	**5100313**	SHAFT ASSY.										1				
	5135040	SHAFT ASSY.														
		2.2093 - SHAFT, FUEL PUMP														
		A SHAFT ASSY. INCLUDES SHAFT IN 2.2093 AND ITEMS IN 2.2087.														
2A	**5178700**	SHAFT (DRIVE)	1	1	1	1										
2A	**5118919** @	SHAFT (DRIVE)					1									
	5108444	SHAFT						1	1		1	1				
2A	**5181746**	SHAFT ASSY. (DRIVE)	1	1	1	1										
2A	**5135039**	SHAFT ASSY. (DRIVE)										1				
2A	**5128216** @	SHAFT ASSY. (DRIVE)					1									
2A	**5100314**	SHAFT ASSY. (DRIVE)						1	1		1					
		@ NOT SERVICED CONVERT TO 5146704 FUEL PUMP FOR R.H. OR 5199735 FUEL PUMP FOR L.H.														
		2.2130 - VALVE, FUEL PUMP														
2A	**5174973**	VALVE	1	1	1	1	1	1	1		1	1				
2A	**103709**	PIN, 5/32"X1" STRAIGHT (12.9300)	1	1	1	1	1	1	1		1	1				
		2.2160 - SPRING, FUEL PUMP VALVE RETAINING														
2A	**5184530**	SPRING	1	1	1	1	1	1	1		1	1				
	9022571 *	SPRING (CHECK VALVE) (12.6662)								1						
	5199459 *	SPRING (PLUNGER) (12.6657)								1						
		* NO LONGER AVAILABLE FOR SERVICE.														
		2.2170 - PLUG, FUEL PUMP VALVE														
2A	**5174971**	PLUG	1	1	1	1	1	1	1		1	1				
		2.2180 - GASKET, FUEL PUMP VALVE PLUG														
2A	**5161003**	GASKET	1	1	1	1	1	1	1		1	1				

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2001 - PUMP ASSY., FUEL														
		A FUEL PUMP KIT INCLUDES A 3/8" INLET PUMP IN 2.2001, A GASKET IN 2.2007 PLUS REDUCING BUSHING IN 2.2030.														
2A	**5146343**	# PUMP ASSY., LH. HIGH CAPACITY (5199735)		1												
2A	**5146703**	# PUMP ASSY., LH. HIGH CAPACITY (5199735)			1											
2A	**5146700**	* PUMP ASSY., LH. HIGH CAPACITY (5107676)				1										
2A	**5146699**	* PUMP ASSY., LH. HIGH CAPACITY (5108065)					1									
2A	**5108065**	PUMP ASSY., LH. HIGH CAPACITY (LUBLITED)						1								
2A	**5107676**	PUMP ASSY., LH. HIGH CAPACITY							1							
2A	**5199735**	PUMP KIT, FUEL		1												
2A	**5199733**	* PUMP KIT, FUEL (5199735)			1											
		# ASSEMBLY NOT SERVICED, USE PUMP KIT SHOWN IN PARENTHESES.														
		* NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PART SHOWN IN PARENTHESES.														
		2.2007 - GASKET, FUEL PUMP TO ENGINE														
2A	**5150193**	@ GASKET		1	1											
		@ PART OF FUEL KITS IN 2.2001.														
		2.2010 - BODY, FUEL PUMP														
2A	**5146339**	BODY		1	1	1			1							
2A	**5146682**	BODY (LUBRITED)					1	1								
2A	**141195**	PIN, 1/4"X5/8" DOWEL (12.9290)		2	2	2	2	2	2							
		2.2030 - COVER, FUEL PUMP														
2A	**5100301**	COVER		1	1											
2A	**5134560**	COVER			1	1			1							
2A	**5134708**	COVER				1	1	1	1							
	5198558	@ BUSHING, 3/8"X1/4" RED.		1	1											
2A	**3719219**	BOLT, 1/4"-20X3/4" (INCLUDES LOCKWASHER) (2.2030)		4	8	8	4	4	8							
2A	**179803**	BOLT, 1/4"-20X1 3/4" (12.9001)		4	4											
	120380	LOCKWASHER, 1/4" (12.9200)		4	4											
		@ PART OF FUEL KITS IN 2.2001.														
		2.2035 - VALVE ASSY., FUEL PUMP CHECK														
	5134673	BALL, 1/4" NYLON (2.2130)					1	1								
	9417463	PIN (12.9275)					1	1								
	5134674	PLUG, 3/8" SPECIAL (2.2170)					1	1								
	5152148	WASHER, 3/8"X9/16" SEAL (2.4050)					1	1								

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2070 - SEAL, FUEL PUMP OIL														
2A	**5107223**	SEAL		2	2	2	2	2	2							
		2.2087 - GEAR, FUEL PUMP (DRIVE)														
	5128217	GEAR		1	1	1	1	1	1							
	147481	BALL, 1/8" DIA. STEEL		1	1	1	1	1	1							
		2.2089 - SHAFT, FUEL PUMP DRIVEN														
		A SHAFT ASSY. INCLUDES GEAR WHICH *IS NOT SOLD SEPARATELY.*														
2A	**5100313**	SHAFT ASSY.		1	1	1			1							
	5135040	SHAFT ASSY.					1	1								
		2.2093 - SHAFT, FUEL PUMP														
		A SHAFT ASSY. INCLUDES SHAFT IN 2.2093 AND ITEMS IN 2.2087.														
2A	**5146705**	SHAFT ASSY. (DRIVE)		1	1	1			1							
2A	**5146706**	SHAFT ASSY. (DRIVE)					1	1								
2A	**5178700**	SHAFT (DRIVE)		1	1	1	1		1							
		2.2130 - *VALVE, FUEL PUMP*														
2A	**5174973**	VALVE		1	1	1	1	1	1							
2A	**103709**	PIN, 5/32"X1" STRAIGHT (12.9300)		1	1	1	1	1	1							
		2.2160 - SPRING, FUEL PUMP VALVE RETAINING														
2A	**5184530**	SPRING		1	1	1	1	1	1							
		2.2170 - PLUG, FUEL PUMP VALVE														
2A	**5174971**	PLUG		1	1	1	1	1	1							
		2.2180 - *GASKET, FUEL PUMP VALVE PLUG*														
2A	**5161003**	GASKET		1	1	1	1	1	1							

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 168	169	171	172	173	178	179	180	187	191	194	195
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
4A,B,	5575570	STRAINER ASSY. (T-66)	1		1		1				1			
4A,B,	5575824	STRAINER ASSY. (T-67)		1				1		1				1
4A,B,	5575568	STRAINER ASSY. (T-60)				1			1			1	1	
4A,B	103647	DRAINCOCK, 1/4" (12.9510)		AR							AR			
	5574921	+ DECAL	1		1		1				1			
	5575062	+ DECAL		1				1		1				1
	5575197	+ DECAL				1			1			1	1	
	5121182	PLUG, 1/4" PIPE (12.9550)						1				1		
4A,B	179839	BOLT, 3/8"-16X1" (12.9001)	2				2							
4A,B	186679	BOLT, 3/8"-16X1 1/4" (12.9001)									2			
4A,B	181370	BOLT, 3/8"-24X1 1/4" (12.9001)							3			2	2	
	103341	WASHER, 3/8" FLAT (12.9190)	4				4				4			
	103321	LOCKWASHER, 3/8" (12.9200)	AR				AR		AR		AR		AR	AR
	102635	NUT, 3/8"-16 HEX. (12.9120)	2				2				2			
	117049	NUT, 3/8"-24 HEX. (12.9120)							2				2	2
		+ OBSOLETE.												
		2.3165 - STRAP, FUEL STRAINER MOUNTING												
	5127156	STRAP	2		2		2				2			
	132430	SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)	2		2		2				2			
	110730	LOCKWASHER, 3/8" (12.9200)	2		2		2				2			
	102635	NUT, 3/8"-16 HEX. (12.9150)	2		2		2				2			
		2.3260 - BRACKET, FUEL STRAINER MTG.												
4A,B,10B	5122693	BRACKET (STRAINER AND FILTER)	1				1				1			
	5126082	BRACKET (STRAINER AND FILTER)							1				1	
4A,B,10B	5124571	BRACKET												1
4A,B	5168435	SPACER, 7/16"L. (FRONT BOLT) (4.8001)												1
4A,B	5165211	SPACER, 9/16"L. (REAR BOLT) (4.8001)												1
4A,B	215386	BOLT, 5/16"-18X6" (12.9001)												2
	180121	BOLT, 3/8"-16X7/8" (12.9001)	3				3							
4A,B	186282	BOLT, 3/8"-16X3 3/4" (12.9001)							4				4	
4A,B	120393	WASHER, 5/16" FLAT (12.9190)												2
4A,B	103320	LOCKWASHER, 5/16" (12.9200)												2
4A,B	103321	LOCKWASHER, 3/8" (12.9200)	3				3		4		AR		4	
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
4A,B	5575569	FILTER ASSY. (T-64)	1		1		1				1			
4A,B	5574533	@ FILTER ASSY. (8") (T-65)		1		1		1	1	1		1	1	1

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 168	169	171	172	173	178	179	180	187	191	194	195
		2.3310 - FILTER ASSY., FUEL (CONT'D)												
2B	**25010778**	CARTRIDGE, FUEL FILTER (SPIN-ON)		1		1		1	1	1		1	1	1
4A	**103647**	DRAINCOCK, 1/4" (12.9510)		AR							AR			
4B	**5148171**	COVER, FUEL FILTER (SPIN-ON)		1		1		1	1	1		1	1	1
10B	**5574516**	+ DECAL		1		1		1	1	1		1	1	1
	25010782	+ DECAL, FUEL FILTER (SPIN-ON)		1		1		1	1	1		1	1	1
	6437952	+ DECAL	1		1		1				1			
4B	**5121182**	PLUG, 1/4" PIPE (12.9550)						1				1		
4A	**179838**	BOLT, 3/8"-16X7/8" (12.9001)			3									
4A	**179839**	BOLT, 3/8"-16X1" (12.9001)	2				2							
4A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)		2	2									2
4A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)									4			
4A	**181370**	BOLT, 3/8"-24X1 1/4" (12.9001)							2				2	
4A	**103341**	WASHER, 3/8" FLAT (12.9190)	2				2				4			
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR		AR		AR		AR	AR
4A	**102635**	NUT, 3/8"-16 HEX. (12.9120)	4		4		4				4			
4A	**117049**	NUT, 3/8"-24 HEX. (12.9120)							2				2	
		+ OBSOLETE												
		2.3503 - STRAP, FUEL FILTER MOUNTING												
4B	**5127156**	STRAP (2.3165)	2		2		2				2			
	132430	SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)	2		2		2				2			
	110730	LOCKWASHER, 3/8" (12.9200)	2		2		2				2			
	102635	NUT, 3/8"-16 HEX. (12.9120)	2		2		2				2			
		2.3530 - BRACKET, FUEL FILTER MTG.												
4A,B	**5122682**	BRACKET			1									
4A,B	**180121**	BOLT, 3/8"-16X7/8" (12.9001)			3									
4A,B	**103321**	LOCKWASHER, 3/8" (12.9200)			3									

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	197	204	206	218	220	225	231	233	234	243
		2.3001 - STRAINER ASSY., FUEL											
		SEE ASSEMBLY BREAKDOWN PAGE A1.											
4A,B,10B	5575570	STRAINER ASSY. (T-66)		1		1		1		1			
4A,B,10B	5575824	STRAINER ASSY. (T-67)	1		1				1		1		1
4A,B,10B	5575568	STRAINER ASSY. (T-60)					1					1	
4A,B,10B	5577342	STRAINER ASSY. (TL-70)				1		1		1			
	5574921	+ DECAL											
	5575062	+ DECAL	1		1				1		1		1
	5575197	+ DECAL					1						
	6438520	+ DECAL		1								1	
	5577249	+ DECAL									2		
	5164789	* SPACER (5.4025)		1									
4B	120322	BUSHING, RED. 1/2X3/8" (12.9570)					1		1		1		1
4B	5121182	PLUG, 1/4" PIPE (12.9550)									2		
4A,B	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							1				
4A,B	454906	BOLT, 3/8"-16X1 1/2" (12.9001)									2		
4A,B	179844	* BOLT, 3/8"-16X1 5/8" (12.9001)				4							
4A	186627	BOLT, 3/8"-24X1" (12.9001)					2						2
4A	181371	BOLT, 3/8"-24X1 3/8" (12.9001)	2		2								
4A	100030	BOLT, 3/8"-24X2" (12.9001)				4							
4A	103341	WASHER, 3/8" FLAT (12.9190)	2		2	4	2		1		4		2
4A	103321	LOCKWASHER, 3/8" (12.9200)	2		2	4	2		2				2
4A	117049	NUT, 3/8"-24 HEX. (12.9120)											
		* USE ONLY WHEN 5128202 COVER IN 4.4060 IS SPECIFIED.											
		+ OBSOLETE.											
		2.3165 - STRAP, FUEL STRAINER MOUNTING											
	5127156	@ STRAP		2		2		2		2			
	132430	@ SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)		2		2		2		2			
	110730	@ LOCKWASHER, 3/8" (12.9200)		2		2		2		2			
	102635	@ NUT, 3/8"-16 HEX. (12.9150)		2		2		2		2			
		@ THRU 12VA-2756 FOR TYPE 197 ONLY.											
		2.3260 - BRACKET, FUEL STRAINER MTG.											
4A,B	5124571	BRACKET	1		1								
4A,B	5128649	BRACKET (STRAINER AND FILTER)				1							
4A,B	5129205	BRACKET					1						
4A,B	5129065	BRACKET (STRAINER AND FILTER)						1					
4A,B	5129066	# BRACKET (STRAINER AND FILTER)						1					
4A,B	5130169	# BRACKET							1				
4A,B	5109308	BRACKET											1
4A,B	5113357	SPACER, 3/4"O.D. (2.9310)	2										
4A,B	215386	BOLT, 5/16"-18X6" (12.9001)	2		2				1				
4A,B	179835	BOLT, 3/8"-16X5/8" (12.9001)											

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	197	204	206	218	220	225	231	233	234	243
		2.3260 - BRACKET, FUEL STRAINER MTG. (CONT'D)											
	180121	BOLT, 3/8"-16X7/8" (12.9001)				3		3					
4A	**179839**	• BOLT, 3/8"-16X1" (12.9001)					2	4					
4A	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)							1				
4A	**181370**	BOLT, 3/8"-24X1 1/4" (12.9001)							1				
4A	**181371**	BOLT, 3/8"-24X1 3/8" (12.9001)						4					
4A	**454933**	BOLT, 7/16"-14X1 1/8" (12.9001)											2
4A	**120393**	WASHER, 5/16" FLAT (12.9190)	2		2								
4A	**103341**	WASHER, 3/8" FLAT (12.9190)						4					
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	2		2								
4A	**103321**	LOCKWASHER, 3/8" (12.9200)			AR	3	2	AR	AR				
4A	**103322**	LOCKWASHER, 7/16" (12.9200)											2
4A	**103026**	NUT, 3/8"-24 HEX. (12.9120)						4					
		# OBSOLETE.											
		2.3310 - FILTER ASSY., FUEL											
		SEE ASSEMBLY BREAKDOWN PAGE B1.											
4A,B	**5575569**	FILTER ASSY. (T-64)				1		1		1			
10B	**5574533**	FILTER ASSY. (8") (T-65)	1		1		1		1		1		1
4A,B	**6436957**	FILTER ASSY. (T-75)		1									
4A,B	**5193814**	# FILTER										1	
2B	**25010778**	CARTRIDGE, FUEL FILTER (SPIN-ON)	1		1		1		1		1		1
	5148171	COVER, FUEL FILTER (SPIN-ON)	1		1		1		1		1		1
10B	**5574516**	+ DECAL	1		1		1		1		1		1
	6436432	+ DECAL		1									
	5577249	+ DECAL										1	
	25010782	+ DECAL, FUEL FILTER (SPIN-ON)	1		1		1		1		1		1
	6437952	+ DECAL				1		1		1			
	5121182	PLUG, 1/4" PIPE (12.9550)					1						1
4A,B	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)	2		2						2	2	
4A,B	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)							2				
4A,B	**186627**	BOLT, 3/8"-24X1" (12.9001)				4							
4A,B	**181370**	BOLT, 3/8"-24X1 1/4" (12.9001)							2				
4A,B	**181371**	BOLT, 3/8"-24X1 3/8" (12.9001)					2						2
4A,B	**103341**	WASHER, 3/8" FLAT (12.9190)				4							
4A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	2		2	AR	AR		AR		2	2	AR
4A,B	**117049**	NUT, 3/8"-24 HEX. (12.9120)				4	2		2				2
		# NOT SERVICED; COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE 5574533 FILTER ASSY.											
		+ OBSOLETE.											

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	197	204	206	218	220	225	231	233	234	243
		2.3503 - STRAP, FUEL FILTER MOUNTING											
	5127156	* STRAP (2.3165)		2		2		2		2			
	132430	* SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)		2		2		2		2			
	110730	* LOCKWASHER, 3/8" (12.9200)		2		2		2		2			
	102635	* NUT, 3/8"-16 HEX. (12.9120)		2		2		2		2			
		* THRU 12VA-2756 FOR TYPE 197 ONLY.											
		2.3530 - BRACKET, FUEL FILTER MTG.											
4A,B	**5129206**	BRACKET					1						
4A,B	**5130169**	BRACKET							1				
4A,B	**5100109**	BRACKET								1			
4A,B	**5109307**	BRACKET											1
4A,B	**180121**	BOLT, 3/8"-16X7/8" (12.9001)							1				
4A,B	**179839**	BOLT, 3/8"-16X1" (12.9001)					2						
4A,B	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)											2
4A,B	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)							1				
4A,B	**114926**	BOLT, 3/8"-16X4 1/4" (12.9001)								4			
4A	**186627**	BOLT, 3/8"-24X1" (12.9001)								4			
4A	**181370**	BOLT, 3/8"-24X1 1/4" (12.9001)							1				
4A	**103341**	WASHER, 3/8" FLAT (12.9190)								4			
4A	**103321**	LOCKWASHER, 3/8" (12.9200)					2		3	4			2
4A	**117049**	NUT, 3/8"-24 HEX. (12.9120)							1	4			

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 249	251	261	263	266	269	270	277	278	282	283	285
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
4A,B,10B	5575570	STRAINER ASSY. (T-66)	1			1							1	1
4A,B,10B	5575824	STRAINER ASSY. (T-67)		1			1				1			
4A,B	5570915	STRAINER ASSY. (TDL-2)			1									
4A,B,10B	5575824	STRAINER ASSY. (T-67)						2						
4A,B,10B	5575568	STRAINER ASSY. (T-60)							1	1				
4A,B,10B	5577342	STRAINER ASSY. (TL-70)										1		
4A,B	103647	DRAINCOCK, 1/4" (12.9510)											1	
	5574921	* DECAL	1			1							1	1
	5575062	* DECAL		1			1	2			1			
	5571124	* DECAL			2									
	5575197	* DECAL							1	1				
	5577249	* DECAL										1		
	5121182	PLUG, 1/4" PIPE (12.9550)					2							
4A,B	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				2		2		2				2
4A,B	5157244	BOLT, 3/8"-16X1 3/8" (4.4190)		1										
4A,B	454906	BOLT, 3/8"-16X1 1/2" (12.9001)		1										
4A,B	181370	BOLT, 3/8"-24X1 1/4" (12.9001)									2			
4A,B	181371	BOLT, 3/8"-24X1 3/8" (12.9001)							2					
4A,B	181377	BOLT, 3/8"-24X1 3/4" (12.9001)					2							
4A,B	103341	WASHER, 3/8" FLAT (12.9190)				4								
4A,B	103321	LOCKWASHER, 3/8" (12.9200)		2		2	2	2	2	2	2			
4A,B	102635	NUT, 3/8"-16 HEX. (12.9120)		2		2				2				
4A,B	117049	NUT, 3/8"-24 HEX. (12.9120)					2		2		2			
		* OBSOLETE.												
		2.3165 - STRAP, FUEL STRAINER MOUNTING												
	5127156	STRAP	2			2							2	2
	132430	SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)	2			2							2	2
	120382	LOCKWASHER, 3/8" (12.9200)	2			2							2	2
	120374	NUT, 3/8"-16 SQ. (12.9150)	2											
	102635	NUT, 3/8"-16 HEX. (12.9120)				2							2	2
		2.3260 - BRACKET, FUEL STRAINER MTG.												
4A,B	5109511	BRACKET (2.3160)	1											
4A,B	5108349	BRACKET (STRAINER AND FILTER) (2.3530)		1										
4A,B	5130519	BRACKET (STRAINER AND FILTER)				1								
4A,B	5131455	BRACKET					1							
4A,B	5126082	BRACKET (STRAINER AND FILTER)							1					
4A,B	5162903	BRACKET (STRAINER AND FILTER)								1				
4A,B	5131467	BRACKET (STRAINER AND FILTER)									1			
4A,B	5108786	SPACER					1							

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 249	251	261	263	266	269	270	277	278	282	283	285
		2.3260 - BRACKET, FUEL STRAINER MTG. (CONT'D)												
4A	**179816**	BOLT, 5/16"-18X3/4" (12.9001)								2				
4A	**180121**	BOLT, 3/8"-16X7/8" (12.9001)				3					4			
4A	**179839**	BOLT, 3/8"-16X1" (12.9001)	4											
4A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)		1										
4A	**191249**	BOLT, 3/8"-16X3 3/4" (12.9001)							3					
4A	**186627**	BOLT, 3/8"-24X1" (12.9001)	4											
4A	**454900**	BOLT, 1/2"-13X1 1/8" (12.9001)					2							
4A	**271568**	BOLT, 5/8"-11X3 1/2" (12.9001)					1							
4A	**103341**	WASHER, 3/8" FLAT (12.9190)	4											
4A	**103320**	LOCKWASHER, 5/16" (12.9200)								2				
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	4	1		3			3		4			
4A	**103323**	LOCKWASHER, 1/2" (12.9200)					2							
4A	**103325**	LOCKWASHER, 5/8" (12.9200)					1							
4A	**117049**	NUT, 3/8"-24 HEX. (12.9120)	4											
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
4A,B	**5575569**	FILTER ASSY. (T-64)	1			1							1	1
4A,B	**5574533**	FILTER ASSY. (8") (T-65)		1	1		1	1	1	1	1	1		
2B	**25010778**	CARTRIDGE, FUEL FILTER (SPIN-ON)		1	1		1	1	1	1	1	1		
4A,B	**103647**	DRAINCOCK, 1/4" (12.9510)												1
2B	**5148171**	COVER, FUEL FILTER (SPIN-ON)		1	1			1	1	1	1	1		
	6437952	+ DECAL	1			1							1	1
	5574516	+ DECAL		1	1		1	1	1	1	1	1		
	25010782	+ DECAL, FUEL FILTER (SPIN-ON)		1	1			1	1	1	1	1		
	5121182	PLUG, 1/4" PIPE (12.9550)					2							
4A,B	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)		2				2	2	2		2		
4A,B	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)				4								
4A,B	**181370**	BOLT, 3/8"-24X1 1/4" (12.9001)									2			4
4A,B	**181371**	BOLT, 3/8"-24X1 3/8" (12.9001)					2							
4A,B	**103341**	WASHER, 3/8" FLAT (12.9200)				4								4
4A,B	**103321**	LOCKWASHER, 3/8" (12.9200)		2		4	2	2	2	2	2	2		4
4A,B	**102635**	NUT, 3/8"-16 HEX. (12.9120)				4								
4A,B	**117049**	NUT, 3/8"-24 HEX. (12.9120)					2				2			4
		+ OBSOLETE												
		2.3503 - STRAP, FUEL FILTER MOUNTING												
	5127156	STRAP (2.3165)	2			2							2	2
	132430	SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)	2			2							2	2

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 249	251	261	263	266	269	270	277	278	282	283	285
		2.3503 - STRAP, FUEL FILTER MOUNTING (CONT'D)												
	120382	LOCKWASHER, 3/8" (12.9200)	2			2							2	2
	123221	NUT, 3/8"-16 SQ. (12.9150)	2											
	102635	NUT, 3/8"-16 HEX. (12.9120) # FIG. 10B OF 5.0000.				2							2	2
		2.3530 - BRACKET, FUEL FILTER MTG.												
4A,B	5122682	BRACKET	1											
4A,B	5130495	BRACKET					1							
4A,B	5133083	BRACKET							1					
4A,B	5131986	BRACKET											1	
4A,B	5143709	BRACKET												1
4A,B	180121	BOLT, 3/8"-16X7/8" (12.9001)	1											
4A,B	179839	BOLT, 3/8"-16X1" (12.9001)					2							
4A,B	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4											
4A,B	114926	BOLT, 3/8"-16X4 1/4" (12.9001)											4	4
4A,B	186627	BOLT, 3/8"-24X1" (12.9001)							2				4	
4A	103341	WASHER, 3/8" FLAT (12.9190)	4										4	
4A	103321	LOCKWASHER, 3/8" (12.9200)	AR				AR		AR				AR	AR
4A	102635	NUT, 3/8"-16 HEX. (12.9120)	2											
4A	117049	NUT, 3/8"-24 HEX. (12.9120)							2				4	

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 288	290	298	314	338	343	344	348	356	360	363	365
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
4A,B	5575570	STRAINER ASSY. (T-66)	1	1										
4A,B	5575824	STRAINER ASSY. (T-67)			1	1			1					
4A,B	6436075	STRAINER ASSY. (T-74) (T-815) (ELEMENT)					1	1		1	1	1	1	1
2B	25010776	= CARTRIDGE, FUEL STRAINER (SPIN-ON) (8") (T-915)					1	1		1	1	1	1	1
2B	5148023	= COVER, FUEL STRAINER (SPIN-ON)					1	1		1	1	1	1	1
	5164789	* SPACER (5.4025)												2
	5121182	PLUG, 1/4" PIPE HEX. SKT. (2.4015)						3						
4A,B	103647	DRAINCOCK, 1/4" (12.9510)	1											
	5574921	+ DECAL	1	1	1									
	5575062	+ DECAL			1	1			1					
	6436060	+ DECAL					1	1		1	1	1	1	1
	25010781	+ = DECAL, FUEL STRAINER (SPIN-ON)					1	1		1	1	1	1	1
	5145014	PLUG, 3/8" (12.9550)					2							
4A	180121	BOLT, 3/8"-16X7/8" (12.9001)				1								
4A	186679	BOLT, 3/8"-16X1 1/4" (12.9001)									2	2		2
4A	454906	BOLT, 3/8"-16X1 1/2" (12.9001)				1								
4A	179844	BOLT, 3/8"-16X1 5/8" (12.9001)												2
4A	181370	BOLT, 3/8"-24X1 1/4" (12.9001)							2				2	
4A	103321	LOCKWASHER, 3/8" (12.9200)	AR						2		2	2	2	4
4A	102635	NUT, 3/8"-16 HEX. (12.9120)	2								2	2		
4A	117049	NUT, 3/8"-24 HEX. (12.9120)							2				2	
		* USE ONLY WHEN 5128202 COVER IN 4.4060 IS SPECIFIED.												
		= EFF. WITH 6VA-67343, 8VA-202808, 12VA-30150.												
		+ OBSOLETE.												
		2.3165 - STRAP, FUEL STRAINER MOUNTING												
	5127156	STRAP	4	4										
	132430	SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)	4	4										
	120382	LOCKWASHER, 3/8" (12.9200)	2	4										
	102635	NUT, 3/8"-16 HEX. (12.9120)	2	4										
		2.3260 - BRACKET, FUEL STRAINER MTG.												
4B	5162903	BRACKET (STRAINER AND FILTER)									1			
4B	5122693	BRACKET (STRAINER AND FILTER)	1											
4B	5129065	BRACKET (FUEL FILTER)		1										
4B	5129066	* BRACKET (FUEL FILTER)		1										
4B	5133288	BRACKET (2.3530)			1									
4B	5130169	* BRACKET				1								
4B	5135326	BRACKET							1				1	
	3292558	SPACER (5.4600)											3	

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 288	290	298	314	338	343	344	348	356	360	363	365
		2.3260 - BRACKET, FUEL STRAINER MTG. (CONT'D)												
	5170765	SPACER, 11/32"X21/32" (7.1581)							3					
	5183914	SPACER, 11/32"X1 11/32" (1.7625)											3	
4A,B	**179816**	BOLT, 5/16"-18X3/4" (12.9001)									2			
4A,B	**215404**	BOLT, 5/16"-18X5 3/4" (12.9001)							3					
4A,B	**446597**	BOLT, 5/16"-18X6 1/2" (12.9001)											3	
4A,B	**180121**	BOLT, 3/8"-16X7/8" (12.9001)	4											
4A,B	**179839**	BOLT, 3/8"-16X1" (12.9001)		4										
4A,B	**181370**	BOLT, 3/8"-24X1 1/4" (12.9001)			2	1								
4A,B	**181374**	BOLT, 3/8"-24X1 1/2" (12.9001)		4										
4A,B	**103341**	WASHER, 3/8" FLAT (12.9190)		4										
4A,B	**103320**	LOCKWASHER, 5/16" (12.9200)									2			
4A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	4	4	2	1								
		# FIG. 10B OF 5.0000.												
		* OBSOLETE.												
4A,B	**117049**	NUT, 3/8"-24 HEX. (12.9120)		4	2	1								
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
4A,B	**5575569**	FILTER ASSY. (T-64)	1	1										
4A,B	**5574533**	FILTER ASSY. (8") (T-65)			1	1	1	1	1	1	1	1	1	1
2B	**25010778**	CARTRIDGE, FUEL FILTER (SPIN-ON)			1	1		1	1	1	1	1	1	1
	103647	DRAINCOCK, 1/4" (12.9510)	1											
2B	**5148171**	COVER, FUEL FILTER (SPIN-ON)			1	1		1	1	1	1	1	1	1
	6437952	+ DECAL	1	1										
	5574516	+ DECAL			1	1	1	1	1	1	1	1	1	1
	25010782	+ DECAL, FUEL FILTER (SPIN-ON)			1	1		1	1	1	1	1	1	1
	3292558	SPACER (5.4600)			4									
4A,B	**446597**	BOLT, 5/16"-18X6 1/2" (12.9001)			4									
4A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)			2		2		2		2		2	2
4A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	4									2		
4A	**181370**	BOLT, 3/8"-24X1 1/4" (12.9001)				2								
4A	**103341**	WASHER, 3/8" FLAT (12.9200)	4											
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	4		2	2	2		2		2	2	2	2
4A	**102635**	NUT, 3/8"-16 HEX. (12.9120)	4									2		
4A	**117049**	NUT, 3/8"-24 HEX. (12.9120)				2								
		+ OBSOLETE.												
		2.3503 - STRAP, FUEL FILTER MOUNTING												
#	**5127156**	STRAP (2.3165)	2											
	132430	SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)	2											

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 288	290	298	314	338	343	344	348	356	360	363	365
		2.3503 - STRAP, FUEL FILTER MOUNTING (CONT'D)												
	120382	LOCKWASHER, 3/8" (12.9200)	2											
	102635	NUT, 3/8"-16 HEX. (12.9120)	2											
		# FIG. 10B OF 5.0000.												
		2.3530 - BRACKET, FUEL FILTER MTG.												
4A,B	**5144236**	BRACKET					1							
4A,B	**5134263**	BRACKET				1								
4A,B	**5136779**	BRACKET										1		
4A,B	**179844**	BOLT, 3/8"-16X1 5/8" (12.9001)										2		
4A,B	**180147**	BOLT, 7/16"-14X1 1/4" (12.9001)										1		

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2.3000A FUEL FILTER

FIG	PART NUMBER		NAME AND DESCRIPTION	TYPES 370	373	375	384	392	394	396	417	432	433	435	437
			2.3001 - STRAINER ASSY., FUEL												
			SEE ASSEMBLY BREAKDOWN PAGE A1.												
4A,B	**6436075**		STRAINER ASSY. (T-74)	1	1	1	1	1	1				1	1	
4A,B	**5575570**		STRAINER ASSY. (T-66)									1			
2B	**25010776**		CARTRIDGE, FUEL STRAINER (SPIN-ON)	1	1	1	1	1	1				1	1	
2B	**5148023**		COVER, FUEL STRAINER (SPIN-ON)	1	1	1	1	1	1				1	1	
	25010781	+	DECAL, FUEL STRAINER (SPIN-ON)	1	1	1	1	1	1				1	1	
	6436060	+	DECAL	1	1	1	1	1	1				1	1	
	5574921	+	DECAL									1			
4A,B	**5121182**		PLUG, 1/4" PIPE (12.9550)		1	1							1		
4A,B	**186612**		BOLT, 3/8"-16X1 3/8" (12.9001)	2											
4A,B	**454906**		BOLT, 3/8"-16X1 1/2" (12.9001)			2									
4A,B	**181370**		BOLT, 3/8"-24X1 1/4" (12.9001)				2	2							
4A,B	**100030**		BOLT, 3/8"-24X2" (12.9001)		2										
4A,B	**103341**		WASHER, 3/8" FLAT (12.9190)	2		4									
4A,B	**103321**		LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2					AR		
4A,B	**102635**		NUT, 3/8"-16 HEX. (12.9120)	2		2									
4A,B	**117049**		NUT, 3/8"-24 HEX. (12.9120)		2		2	2							
			+ OBSOLETE.												
			2.3165 - STRAP, FUEL STRAINER MOUNTING												
	5127156		STRAP									2			
	132430		SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)									2			
	120382		LOCKWASHER, 3/8" (12.9200)									2			
	123221		NUT, 3/8"-16 HEX. (12.9120)									2			
			2.3260 - BRACKET, FUEL STRAINER MOUNTING												
4A,B	**5136321**		BRACKET	1											
4A,B	**5137045**		BRACKET (STRAINER AND FILTER)		1										
4A,B	**5137770**		BRACKET					1							
	5130169	*	BRACKET										1		
4A,B	**180121**		BOLT, 3/8"-16X7/8" (12.9001)	4											
4A,B	**179839**		BOLT, 3/8"-16X1" (12.9001)					2							
	181370		BOLT, 3/8"-24X1 1/4" (12.9001)										1		
4A,B	**427564**		BOLT, 7/16"-14X1 3/8" (12.9001)		2										
4A,B	**103321**		LOCKWASHER, 3/8" (12.9200)	4				2							
			* OBSOLETE.												
			2.3310 - FILTER ASSY., FUEL												
			SEE ASSEMBLY BREAKDOWN PAGE B1.												
4A,B	**5574533**	@	FILTER ASSY. (8") (T-65)	1	1	1	1	1	1				1	1	
4A,B	**5575569**		FILTER ASSY. (8") (T-64)								1	1			

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3701	3733	3755	3834	3922	3944	3966	4117	4312	4333	4335	4337
		2.3310 - FILTER ASSY., FUEL (CONT'D)												
2B	**25010778**	CARTRIDGE, FUEL FILTER (SPIN-ON)	1	1	1	1	1	1				1	1	
2B	**5148171**	COVER, FUEL FILTER (SPIN-ON)	1	1	1	1	1	1				1	1	
	25010782	+ DECAL, FUEL FILTER (SPIN-ON)	1	1	1	1	1	1				1	1	
	5574516	+ DECAL	1	1	1	1	1	1				1	1	
	6437952	+ DECAL								1	1			
4A,B	**179839**	BOLT, 3/8"-16X1" (12.9001)								4				
4A,B	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)			2	2	2						2	2
4A,B	**106286**	BOLT, 3/8"-24X1 1/8" (12.9001)						2						
4A,B	**181370**	BOLT, 3/8"-24X1 1/4" (12.9001)										2		
4A,B	**103341**	WASHER, 3/8" (12.9190)		4						4				
4A,B	**103321**	LOCKWASHER, 3/8" (12.9200)			2	2	2	2		4		2	2	2
4A,B	**117049**	NUT, 3/8"-24 HEX. (12.9120)						2				2		
		+ OBSOLETE.												
		2.3503 - STRAP, FUEL FILTER MOUNTING												
	5127156	STRAP (2.3165)								2	2			
	132430	SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)								2	2			
	120382	LOCKWASHER, 3/8" (12.9200)								2	2			
	123221	NUT, 3/8"-16 HEX. (12.9120)								2	2			
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
4A,B	**5136321**	BRACKET	1											
4A,B	**5108349**	BRACKET			1									
4A,B	**5133288**	BRACKET				1								
4A,B	**5137776**	BRACKET						1						
4A,B	**5122682**	BRACKET								1				
4A,B	**5134263**	BRACKET										1		
4A,B	**5126082**	BRACKET												1
4A,B	**5133083**	BRACKET												1
	5183914	SPACER (1.7625)				4								
4A,B	**3292558**	SPACER (5.4600)				4								
	5137777	* SPACER						1						
4A,B	**446597**	BOLT, 5/16"-18X6 1/2" (12.9001)				4								
4A,B	**180121**	BOLT, 3/8"-16X7/8" (12.9001)	4					2		1				
4A,B	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)			1									2
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)												1
4A,B	**187433**	BOLT, 7/16"-14X5 1/2" (12.9001)						1						
4A,B	**103341**	WASHER, 3/8" FLAT (12.9190)								1				
4A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	AR		AR			AR		AR				AR
	117049	NUT, 3/8"-24 HEX. (12.9120)												2
		* OBSOLETE.												

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 370	373	375	384	392	394	396	417	432	433	435	437
	2.3590	**- SEPARATOR, FUEL - WATER**												
	6436909	SEPARATOR							1					

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4390	4404	4552	4559	4663	4665	4668	4722	4903	4955	4966	5033
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
4A,B	**6436075**	STRAINER ASSY. (T-74)		1	1	1	1	1	1			1		1
4A,B	**5575570**	STRAINER ASSY. (T-66)									1			
4A,B	**6438799**	STRAINER ASSY. (T-80)	1										1	
2B	**25010776**	CARTRIDGE, FUEL STRAINER (SPIN-ON)		1	1	1	1	1				1	1	
2B	**5148023**	COVER, FUEL STRAINER (SPIN-ON)		1	1	1	1	1				1	1	
	25010781	+ DECAL, FUEL STRAINER (SPIN-ON)		1	1	1	1	1				1	1	
	6436060	+ DECAL		1	1	1	1	1	1			1		1
	5574921	+ DECAL									1			
	6438520	+ DECAL	1										1	
4A,B	**103647**	DRAINCOCK, 1/4" (12.9510)											1	
	5145014	PLUG, 3/8" PIPE (12.9550)	3									3		2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)												2
	186679	BOLT, 3/8"-16X1 (12.9001)									2			
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)						2						
4A	**181370**	BOLT, 3/8"-24X1 1/4" (12.9001)							2					
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)	8	2								8		
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			2									
4A	**100030**	BOLT, 3/8"-24X2" (12.9001)					2							
4A	**103341**	WASHER, 3/8" FLAT (12.9190)					2				2			
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	8	2	2		2	2	2		2	8		2
4A	**102635**	NUT, 3/8"-16 HEX. (12.9120)						2			2			2
4A	**117049**	NUT, 3/8"-24 HEX. (12.9120)	8	2	2		2		2			8		
		+ OBSOLETE.												
		2.3165 - STRAP, FUEL STRAINER MOUNTING												
	5127156	STRAP									2			
	132430	SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)									2			
	120382	LOCKWASHER, 3/8" (12.9200)									2			
	123221	NUT, 3/8"-16 HEX. (12.9120)									2			
		2.3260 - BRACKET, FUEL STRAINER MOUNTING												
4A,B	**5137770**	BRACKET			1									
4A,B	**5138128**	BRACKET (STRAINER AND FILTER)	1											
4A,B	**5126082**	BRACKET		1										
4A,B	**5139816**	BRACKET				1								
4A,B	**5140499**	BRACKET (STRAINER AND FILTER) (2.3530)						1						
4A,B	**5134263**	BRACKET							1					
4A,B	**5142243**	BRACKET (2.3530)									1			

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4399	4404	4552	4559	4663	4665	4668	4672	4993	4995	4996	5003
		2.3260 - BRACKET, FUEL STRAINER MOUNTING (CONT'D)												
4A,B	5109308	BRACKET										1		
	191249	BOLT, 3/8"-16X3/4" (12.9001)		3										
	180121	BOLT, 3/8"-16X7/8" (12.9001)									4			
4A,B	179839	BOLT, 3/8"-16X1" (12.9001)			2									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						1						
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				2								
	191249	BOLT, 3/8"-16X3 1/2" (12.9001)				2								
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)										2		
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	8											
	103342	WASHER, 7/16" (12.9190)	8											
4A,B	103321	LOCKWASHER, 3/8" (12.9200)	AR		2	4		1	AR		4			
	103322	LOCKWASHER, 7/16" (12.9200)	8									2		
	102635	NUT, 3/8"-16 HEX. (12.9120)				2								
	117049	NUT, 3/8"-24 HEX. (12.9120)										1		
	271500	NUT, 7/16"-14 HEX. (12.9120)	8											
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
4A,B	5574533	FILTER ASSY. (8") (T-65)		1	1	1	1	1	1	1		1		1
4A,B	5575569	FILTER ASSY. (8") (T-64)									1			
	6436957	FILTER ASSY. (T-75)	1										1	
2B	25010778	CARTRIDGE, FUEL FILTER (SPIN-ON)		1	1	1	1	1	1	1		1		1
2B	5148171	COVER, FUEL FILTER (SPIN-ON)		1	1	1	1	1	1	1		1		1
	25010782	+ DECAL, FUEL FILTER (SPIN-ON)		1	1	1	1	1	1	1		1		1
	5574516	+ DECAL		1	1	1	1	1	1	1		1		1
	6437952	+ DECAL									1			
	6436432	+ DECAL	1										1	
4A,B	103647	DRAINCOCK, 1/4" (12.9510)											1	
4A,B	5121182	PLUG, 1/4" PIPE (12.9550)				2						2		2
	5115214	PLUG, 3/8" PIPE (12.9550)	2											
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)												2
4A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2	2	2		2	2	2		2		2
	103341	WASHER, 3/8" (12.9190)			4			4						
4A	103321	LOCKWASHER, 3/8" (12.9200)		2	2	2		2	2	2		2		2
		+ OBSOLETE.												
		2.3503 - STRAP, FUEL FILTER MOUNTING												
	132430	SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)									2			
	120382	LOCKWASHER, 3/8" (12.9200)									2			
	123221	NUT, 3/8"-16 HEX. (12.9120)									2			

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 439	444	452	459	463	465	468	472	493	495	496	503
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
4A,B	**5133083**	BRACKET		1										
4A,B	**5188969**	BRACKET				1								
4A,B	**5129065**	BRACKET					1							
4A,B	**5129066**	BRACKET					1							
4A,B	**5142684**	BRACKET												1
4A,B	**5159347**	SPACER, 13/32"X3/4"X1/2" (7.1581)												2
4A,B	**5175705**	SPACER, 13/32"X7/8"X1" (8.3826)												1
4A,B	**446597**	BOLT, 5/16"-18X6 1/2" (12.9001)												1
	179839	BOLT, 3/8"-16X1" (12.9001)					4							
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)												2
	181361	BOLT, 3/8"-24X7/8" (12.9001)					2							
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)		2										
	5121403	WASHER, 21/64"X1"X3/16" (3.4080)												1
4A	**103321**	LOCKWASHER, 3/8" (12.9200)		AR			AR							AR
	117049	NUT, 3/8"-24 HEX. (12.9120)		2			2							

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	511	519	521	524	531	534	535	536	539	545	550
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
4A,B	**5113928**	STRAINER ASSY.	1											
4A,B	**6436075**	STRAINER ASSY. (T-74)		1		1						1		
4A,B	**5577342**	STRAINER ASSY. (TL-70)			1									
4A,B	**6438799**	STRAINER ASSY. (T-80)					1		1	1	1		1	
4A,B	**5111605**	STRAINER ASSY.						1						
2B	**25010776**	CARTRIDGE, FUEL STRAINER (SPIN-ON)		1		1								
2B	**5148023**	COVER, FUEL STRAINER (SPIN-ON)		1		1								
	6436060	+ DECAL		1		1								
	25010781	+ DECAL, FUEL STRAINER (SPIN-ON)		1		1						1		
	5577249	+ DECAL			1									
	6438520	+ DECAL							1				1	
	118536	DRAINCOCK, 3/8" (12.9510)					5							
	5121182	PLUG, 1/4" PIPE (12.9550)			1									
	5145014	PLUG, 3/8" PIPE (12.9550)		3		2		2	3		1	2		
	5145012	PLUG, 1/2" PIPE (12.9550)							1	1	1			
4A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)				2								
4A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)										2		
4A	**186628**	BOLT, 3/8"-16X1 1/2" (12.9001)					4							
4A	**180130**	BOLT, 3/8"-16X2" (12.9001)							2		2			
4A	**181371**	BOLT, 3/8"-24X1 3/8" (12.9001)		2										
	103341	WASHER, 3/8" FLAT (12.9190)					4		2		2			
4A	**103321**	LOCKWASHER, 3/8" (12.9200)		2		2	4		2		2	2		
	102635	NUT, 3/8"-16 HEX. (12.9120)					4		2		2			
	117049	NUT, 3/8"-24 HEX. (12.9120)		2										
		+ OBSOLETE.												
		2.3010 - ELEMENT, FUEL STRAINER (PRIMARY)												
3A	**5575032**	ELEMENT (8" SOCK TYPE) (A.C. TYPE T-552)												1
		2.3260 - BRACKET, FUEL STRAINER MOUNTING												
4A,B	**5138163**	BRACKET					1							
4A,B	**5138164**	BRACKET					1							
4A,B	**179839**	BOLT, 3/8"-16X1" (12.9001)					3							
4A,B	**103321**	LOCKWASHER, 3/8" (12.9200)					3							
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
4A,B	**5575569**	FILTER ASSY. (T-64)	1											
4A,B	**5574533**	FILTER ASSY. (8") (T-65)		1	1	1		1				1		

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	511	519	521	524	531	534	535	536	539	545	550
		2.3310 - FILTER ASSY., FUEL (CONT'D)												
4A	6436957	FILTER ASSY. (T-75)					1		1	1	1		1	
2B	25010778	CARTRIDGE, FUEL FILTER (SPIN-ON)		1	1	1		1						
2B	5148171	COVER, FUEL FILTER (SPIN-ON)		1	1	1		1						
	6436432	+ DECAL					1		1	1	1		1	
	6437952	+ DECAL	1											
	25010782	+ DECAL, FUEL FILTER (SPIN-ON)		1	1	1		1						
	5584517	DECAL		1	1	1		1				1		
	5121182	PLUG, 1/4" PIPE (12.9550)		2	1	2		1				1		
	5145014	PLUG, 3/8" PIPE (12.9550)					2		3	3	3			
4A	179839	BOLT, 3/8"-16X1" (12.9001)	2											
4A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2			2				2		
4A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)								4				
4A	179844	BOLT, 3/8"-16X1 5/8" (12.9001)					4							
4A	179847	BOLT, 3/8"-16X2" (12.9001)							2		2			
4A	132430	BOLT, 3/8"-16X2 1/2" FIL. HD. (12.9010)											4	
4A	181370	BOLT, 3/8"-24X1 1/4" (12.9001)				2								
4A	181371	BOLT, 3/8"-24X1 3/8" (12.9001)		2										
	103341	WASHER, 3/8" FLAT (12.9190)	AR				AR		AR	AR	AR			
4A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		
4A	120382	LOCKWASHER, 3/8" (12.9200)											4	
4A	102635	NUT, 3/8"-16 HEX. (12.9120)	2				4		2	4	2			
4A	123221	NUT, 3/8"-16 HEX. (12.9120)											4	
4A	117049	NUT, 3/8"-24 HEX. (12.9120)		2		2								
		+ OBSOLETE.												
		2.3320 - ELEMENT, FUEL FILTER												
3C	5574508	ELEMENT (8" PAPER) (T.P.-540) (VERTICAL PLEAT)												1
		2.3503 - STRAP, FUEL FILTER MOUNTING												
4A,B	5127156	STRAP (2.3165)	2											
	132430	SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)	2											
	120382	LOCKWASHER, 3/8" (12.9200)	2											
	123221	NUT, 3/8"-16 SQ. (12.9510)	2											
		# FIG. 10B OF 5.0000.												
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
4A,B	5122682	BRACKET	1											
4A,B	5126082	BRACKET (STRAINER AND FILTER) (2.3260)		1										

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	511	519	521	524	531	534	535	536	539	545	550
		2.3530 - BRACKET, FUEL FILTER MOUNTING (CONT'D)												
4A,B	**5134263**	BRACKET				1								
4A,B	**5138075**	BRACKET					1						1	
	5143709	BRACKET (STRAINER AND FILTER)							1	1	1			
4A,B	**179838**	BOLT, 3/8"-16X7/8" (12.9001)	1											
4A,B	**179839**	BOLT, 3/8"-16X1" (12.9001)	2				3						3	
4A,B	**186283**	BOLT, 3/8"-16X3 1/2" (12.9001)		3										
4A,B	**455537**	BOLT, 3/8"-16X4" (12.9001)							4	4	4			
	103341	WASHER, 3/8" FLAT (12.9190)	AR											
4A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR			AR							

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 571	576	578	582	584	585	586	587	588	589	590
		2.3001 - STRAINER ASSY., FUEL											
		SEE ASSEMBLY BREAKDOWN PAGE A1.											
4A,B	**6436075**	STRAINER ASSY. (T-74)	1										
4A,B	**6438799**	STRAINER ASSY. (T-80)				1	1	1	1	1	1	1	1
4A,B	**5575570**	STRAINER ASSY. (T-66)		1									
2B	**25010776**	CARTRIDGE, FUEL STRAINER (SPIN-ON)	1										
2B	**5148023**	COVER, FUEL STRAINER (SPIN-ON)	1										
	6436060	+ DECAL	1										
	25010781	+ DECAL, FUEL STRAINER (SPIN-ON)	1										
	5574921	+ DECAL		1									
4A,B	**5145014**	PLUG, 3/8" PIPE (12.9550)	2			3		3	3	3			1
4A,B	**5115214**	PLUG, 1/2" PIPE (12.9550)				3		1	4	2		3	2
4A,B	**186628**	BOLT, 3/8"-16X1 1/2" (12.9001)										4	
4A,B	**179848**	BOLT, 3/8"-16X2 1/4" (12.9001)						2					
	180150	BOLT, 7/16"-14X1 5/8" (12.9001)				4				4			
	103341	WASHER, 3/8" FLAT (12.9190)						2				4	
	120395	WASHER, 15/32"X59/64" (12.9190)				4				4			
4A	**103321**	LOCKWASHER, 3/8" (12.9200)										4	
	120383	LOCKWASHER, 7/16" (12.9200)				4				4			
	102635	NUT, 3/8"-16 HEX. (12.9120)										4	
	271501	NUT, 7/16"-14 HEX. (12.9120)				4				4			
		+ OBSOLETE.											
		2.3165 - STRAP, FUEL STRAINER MOUNTING											
	5127156	STRAP		2									
		2.3260 - BRACKET, FUEL STRAINER MOUNTING											
4A,B	**5138164**	BRACKET										1	
4A,B	**5138128**	BRACKET				1				1			
4A,B	**179839**	BOLT, 3/8"-16X1" (12.9001)										3	
4A,B	**103321**	LOCKWASHER, 3/8" (12.9200)										3	
		2.3310 - FILTER ASSY., FUEL											
		SEE ASSEMBLY BREAKDOWN PAGE B1.											
4A,B	**5574533**	FILTER ASSY. (8") (T-65)	1		1								
4A,B	**6436419**	FILTER ASSY. (T-75)				1	1	1	1	1	1	1	1
4A,B	**5575569**	FILTER ASSY. (8") (T-64)		1									
4A,B	**5129449**	FILTER ASSY. (FRAM #FCS1133PLM) (2.3001)			1								
2B	**25010778**	CARTRIDGE, FUEL FILTER (SPIN-ON)	1		1								
2B	**5148171**	COVER, FUEL FILTER (SPIN-ON)	1		1								

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5711	5776	5778	5782	5784	5785	5786	5787	5788	5789	5790
		2.3310 - FILTER ASSY., FUEL (CONT'D)											
	6436432	+ DECAL		1		1	1	1	1	1	1	1	1
	5574516	+ DECAL	1		1								
	25010782	+ DECAL, FUEL FILTER (SPIN-ON)	1		1								
	5121182	PLUG, 1/4" PIPE (12.9550)	2		1								
	5145014	PLUG, 3/8" PIPE (12.9550)			2	3	2	2	3	3		2	2
	5115214	PLUG, 1/2" PIPE (12.9550)					1	1	1				1
4A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)	2										
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			2		4						
	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)							4				
4A	**179848**	BOLT, 3/8"-16X2 1/4" (12.9001)						2					
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)										4	
	180150	BOLT, 7/16"-14X1 5/8" (12.9001)				4				4			
	103341	WASHER, 3/8" FLAT (12.9190)					AR	AR	AR				
	120395	WASHER, 15/32"X59/64" (12.9190)				4				4		4	
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR				AR	AR	AR				
	120383	*LOCKWASHER, 7/16" (12.9200)*				4				4		4	
	102635	NUT, 3/8"-16 HEX. (12.9120)					4	4	4				
4A	**123221**	NUT, 3/8"-16 HEX. (12.9120)			2								
	123242	NUT, 7/16"-14 HEX. (12.9120)				4				4		4	
		+ OBSOLETE.											
		2.3503 - STRAP, FUEL FILTER MOUNTING											
4A,B	**5127156**	STRAP (2.3165)		2									
		2.3530 - BRACKET, FUEL FILTER MOUNTING											
4A,B	**5138075**	BRACKET										1	
4A,B	**5143709**	BRACKET (STRAINER AND FILTER)					1	1					
4A,B	**5133083**	BRACKET	1										
4A,B	**5138128**	BRACKET (STRAINER AND FILTER)				1				1			
4A,B	**5146536**	BRACKET (STRAINER AND FILTER)							1				
4A,B	**5146932**	BRACKET (STRAINER AND FILTER)											1
4A,B	**179839**	BOLT, 3/8"-16X1" (12.9001)				3				3		3	4
4A,B	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)	2										
4A,B	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)							4				
4A,B	**114926**	BOLT, 3/8"-16X4 1/4" (12.9001)					4	4					
	103341	WASHER, 3/8" FLAT (12.9190)											AR
4A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	AR			AR				AR		AR	AR

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 591	592	615	617	626	627	628	629	631	639	675	678
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
4A,B	6436075	STRAINER ASSY. (T-75)	1				1		1					
4A,B	6438799	STRAINER ASSY. (T-80)		1									1	1
4A,B	5113928	STRAINER ASSY.									1	1		
	103647	DRAINCOCK, 1/4" (12.9510)												1
2B	25010776	CARTRIDGE, FUEL STRAINER (SPIN-ON)	1		1	1		1		1				
2B	5148023	COVER, FUEL STRAINER (SPIN-ON)	1		1	1		1		1				
	6438520	+ DECAL		1									1	1
	6436060	+ DECAL	1				1		1					
	25010781	+ DECAL, FUEL STRAINER (SPIN-ON)	1		1	1		1		1				
	5574921	+ DECAL									1			
	5145014	PLUG, 3/8"PIPE (12.9550)	2			5	2	2		2			1	1
	5115214	PLUG, 1/2" PIPE (12.9550)											3	3
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						2						
	186628	BOLT, 3/8"-16X1 1/2"					2			2				
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	2											
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)				2							2	
	103341	WASHER, 3/8" FLAT (12.9190)	2											
	103321	LOCKWASHER, 3/8" (12.9200)	2			2	2	2		2			2	
	102635	NUT, 3/8"-16 HEX. (12.9120)	2				2						2	
	117049	NUT, 3/8"-24 (12.9120)				2								
		+ OBSOLETE. NO REPLACEMENT.												
		2.3260 - BRACKET, FUEL STRAINER MOUNTING												
4A,B	5135326	BRACKET				1								
4A,B	5160629	SPACER, 13/32"X7/32" (1.7625)								2				
4A,B	5183914	SPACER, 11/32"X1 11/32" (1.7625)				3								
4A,B	3292558	SPACER, 5/8"X11/32"X1/2" (5.4600)				3								
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)				3								
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
4A,B	5574533	FILTER ASSY. (8") (T-65)	1				1		1					
4A,B	6436957	FILTER ASSY. (T-75)		1							1	1	1	1
4A,B	103647	DRAINCOCK, 1/4" (12.9510)												1
2B	25010778	CARTRIDGE, FUEL FILTER (SPIN—ON)	1		1	1	1	1		1				
	5574516	+ DECAL	1				1		1					
	25010782	+ DECAL, FUEL FILTER (SPIN-ON)	1		1	1		1		1				
	6436432	+ DECAL, FUEL FILTER									1	1		1
2B	5148171	COVER, FUEL FILTER (SPIN-ON)	1		1	1		1		1				
	5121182	PLUG, 1/4" PIPE (12.9550)			1	1	1	1	1	1				
	5145014	PLUG, 3/8" PIPE (12.9550)		2					2		2	2	3	2
	5115214	PLUG, 1/2" PIPE (12.9550)	2	1							1	1		1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2	2	2	2	2	2				
	179847	BOLT, 3/8"-16 X 2" (12.9001)												2
	181370	BOLT, 3/8"-16 X 2-1/4" (12.9001)											2	
	180150	BOLT, 7/16"-14X1 5/8" (12.9001)		4							4	4		

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5911	5912	6115	6117	6126	6127	6128	6129	6131	6139	6175	6178
		2.3310 - FILTER ASSY., FUEL (CONT'D)												
	120395	WASHER, 15/32"X59/64" (12.9190)		4							4	4		
	103341	WASHER, 3/8" FLAT (12.9190)								4				6
	120392	WASHER, 9/32" (12.9190)							1					
	103321	LOCKWASHER, 3/8" (12.9200)			2	2	2		2	2			2	3
	103319	LOCKWASHER, 1/4" (12.9200)							1					
	120383	LOCKWASHER, 7/16" (12.9200)		4							4	4		
	102635	NUT, 3/8"-16 (12.9120)											2	3
	123242	NUT, 7/16"-14 HEX. (12.9120)		4							4	4		
		+ OBSOLETE.												
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
4A,B	5140499	BRACKET (STRAINER AND FILTER)	1											
4A,B	5138075	BRACKET		1							1	1		
4A,B	5133083	BRACKET			1									
4A,B	5108349	BRACKET					1	1						
4A,B	5148897	BRACKET								1				
4A,B	5106284	BRACKET											1	1
4A,B	5177362	SPACER (2.9643)						2						
4A,B	5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)	2											
	179839	BOLT, 3/8"-16X1" (12.9001)	2	3							2	2		3
	186622	BOLT, 3/8"-16 X 1-1/4" (12.9001)											4	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2		1			2				
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	2											
	179847	BOLT, 3/8"-16X2" (12.9001)						2						
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR			AR	AR	AR	AR	AR
	102635	NUT, 3/8"-16 (12.9120)											4	

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 750	751	752	753	754	755	756	757	758	759	760	761
		2.3001 - STRAINER ASSY., FUEL												
4A,B	25011424	STRAINER ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
	25011024	CARTRIDGE, FUEL STRAINER	1	1	1	1	1	1	1	1	1	1	1	1
4A,B	5145014	PLUG, 3/8" PIPE (12.9550)		3	1		3	1			1	1		
4A,B	5115214	PLUG, 1/2" PIPE (12.9550)		4	2			2			2	3		
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)										4		
	103341	WASHER, 3/8" (12.9190)										4		
	103321	LOCKWASHER, 3/8" (12.9200)										4		
	102635	NUT, 3/8"-16 (12.9120)										4		
		2.3260 - BRACKET, FUEL STRAINER MTG.												
4A,B	5138164	BRACKET										1		
	179839	BOLT, 3/8"-16X1" (12.9001)										3		
	103321	LOCKWASHER, 3/8" (12.9200)										3		
		2.3310 - FILTER ASSY., FUEL												
4A,B	25011425	FILTER ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
	25011026	CARTRIDGE, FUEL FILTER	1	1	1	1	1	1	1	1	1	1	1	1
4A,B	5145014	PLUG, 3/8" PIPE (12.9550)		2	2	2	3	2	2		2	2	2	2
4A,B	5115214	PLUG, 1/2" PIPE (12.9550)		1	1	1		1	1		1			1
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)												
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)											4	
	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)		4				4						
	180150	BOLT, 7/16"-14X1 5/8" (12.9001)			8	4	8		4		4	8		
	103341	WASHER, 3/8" (12.9190)		4				4						4
	120395	WASHER, 15/32"X59/64" (12.9190)			8	4	8		4		4	8		
	103342	WASHER, 7/16" (12.9190)											4	
	103321	LOCKWASHER, 3/8" (12.9200)		4				4					4	4
	120383	LOCKWASHER, 7/16" (12.9200)			8	4	8		4		4	8		
	103322	LOCKWASHER, 7/16" (12.9200)											4	
	102635	NUT, 3/8" (12.9120)		4				4						4
	271501	NUT, 7/16"-14 (12.9120)			8	4	8		4		4	8	4	
		2.3530 - BRACKET, FUEL FILTER MTG.												
4A,B	5146536	BRACKET		1										
4A,B	5138128	BRACKET			1		1					1		
4A,B	5138075	BRACKET				1			1		1		1	
4A,B	5146932	BRACKET						1						
4A,B	5143709	BRACKET												1
	179839	BOLT, 3/8"-16X1" (12.9001)			3	3	3	4	3		3	3	3	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		4										
	114926	BOLT, 3/8"-16X4 1/4"												4
	103341	WASHER, 3/8" (12.9190)		4				4						
	103321	LOCKWASHER, 3/8" (12.9200)		4	3	3	3	4	3		3	3	3	

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 762	764	765	766	786	795	799	803	808	815	827	830
		2.3001 - STRAINER ASSY., FUEL												
		• FOR TYPE 816 USE TYPE 803.• SEE ASSEMBLY BREAKDOWN PAGE AS NOTED.												
4A,B	**6436075**	STRAINER ASSY. (T-74) (PAGE A1)					1	1						
4A,B	**25011424**	STRAINER ASSY.	1	1	1	1			1		1			
2B	**25011024**	CARTRIDGE, FUEL STRAINER	1	1	1	1					1			
2B	**25010776**	CARTRIDGE, FUEL STRAINER (SPIN-ON) T-915 (2.3010)								1		1	1	1
2B	**5148023**	COVER, SPIN-ON (2.3080)								1		1	1	1
	8924517	PLUG, 3/8" PIPE (12.9550)	1			2		1	1			3	3	2
	5115214	PLUG, 1/2" PIPE (12.9550)	3			2			2					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										2		
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)												1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)												1
	180150	BOLT, 7/16"-14X1 5/8" (12.9001)							4					
	103341	WASHER, 3/8" (12.9190)										2	2	2
	120395	WASHER, 7/16" (12.9190)							4					
	103321	LOCKWASHER, 3/8" (12.9200)										2	2	2
	120383	LOCKWASHER, 7/16" (12.9200)							4					
	102635	NUT, 3/8"-16 (12.9120)										2	2	
	103026	NUT, 3/8"-24 (12.9120)												2
	271501	NUT, 7/16"-14 (12.9120)							4					
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE AS NOTED.												
4A,B	**25011425**	FILTER ASSY.	1	1	1	1			1		1			
4A,B	**5574533**	FILTER ASSY. (T-65) (PAGE B1)					1	1						
4A,B	**25011026**	CARTRIDGE, FUEL FILTER	1	1	1	1								
2B	**25010778**	CARTRIDGE, FUEL FILTER (SPIN-ON) T-916 (2.3320)								1		1	1	1
2B	**5148171**	COVER, SPIN-ON (2.3390)								1		1	1	1
	5121182	PLUG, 1/4" PIPE (12.9550)		1				1						
	8923847	PLUG, 1/4" PIPE (4.7001)										1	1	
	8924517	PLUG, 3/8" PIPE (12.9550)		2	2	2			2					
	5115214	PLUG, 1/2" PIPE (12.9550)	3		1	1			1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											2	
	8927581	BOLT, 3/8"-16X1.13" (12.9001)												2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										2		
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)		4	4									
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)				4								
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	4											
	186627	BOLT, 3/8"-24X1" (12.9001)						2						
	180150	BOLT, 7/16"-14X1 5/8" (12.9001)							4					
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4		2				2	2	
	120383	LOCKWASHER, 7/16" (12.9200)							4					
	103341	WASHER, 3/8" (12.9190)	8	4	4	4		2				2	2	
	120395	WASHER, 7/16" (12.9190)							4					
	102635	NUT, 3/8"-16 (12.9120)	4	4	4	4						2	2	
	271501	NUT, 7/16"-14 (12.9120)							4					
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
4A,B	**5143709**	BRACKET	1	1	1									
4A,B	**5106014**	BRACKET					1							
4A,B	**5146536**	BRACKET				1								
4A,B	**5144236**	BRACKET						1						
4A,B	**5138128**	BRACKET (2.3260)							1					

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 762	764	765	766	786	795	799	803	808	815	827	830
		2.3530 - BRACKET, FUEL FILTER MOUNTING (CONT'D)												
	8927410	BRACKET										1	1	
	179839	BOLT, 3/8"-16X1" (12.9001)							3					
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)										1	3	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						2						
	8927581	BOLT, 3/8"-16X1.135"										2		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				4								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1							
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					2							
	179886	BOLT, 3/8"-16X1 5/8 (12.9001)					1							
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	4	4	4									
	5178895	SPACER, .40" I.D.X7/8" O.D.X.40"										1		
	5131978	SPACER, .53" I.D.X1.00" O.D.X.164" (1.5001)					1							
	5160629	SPACER, .62" O.D.X.22" L. (4.2270)									3		3	
	5157412	SPACER, 7/8" I.D.X13/32" O.D.X1/4"										2		
	5121403	WASHER, 21/64"										1		
	103341	WASHER, 3/8" (12.9190)				4	2							
	103321	LOCKWASHER, 3/8" (12.9200)				4	2	2	3					
	103323	LOCKWASHER, 1/2" (12.9200)					1							
	102635	NUT, 3/8"-16 (12.9120)					2							
		2.3560 - BRACKET, FUEL STRAINER MOUNTING												
	5137770	BRACKET												1
	179839	BOLT, 3/8"-16X1" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)												2

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8353	8 8452	8 848	8 852
		2.3001 - STRAINER ASSY., FUEL				
		• FOR TYPE 853 USE TYPE 852.▪ SEE ASSEMBLY BREAKDOWN PAGE AS NOTED.				
4A,B	**6436075**	STRAINER ASSY. (T-74) (PAGE A1)		1		1
4A,B	**25011424**	STRAINER ASSY.	1			
4A,B	**6438799**	STRAINER ASSY. (T-80)			1	
	8924517	PLUG, 3/8" PIPE (12.9550)	1			3
	5115214	PLUG, 1/2" PIPE (12.9550)	2			
	179847	BOLT, 3/8"-16X2" (12.9001)				2
	103321	LOCKWASHER, 3/8" (12.9200)				2
	103341	WASHER, 3/8" (12.9190)				4
	102635	NUT, 3/8"-16 (12.9120)				2
		2.3310 - FILTER ASSY., FUEL				
		SEE ASSEMBLY BREAKDOWN PAGE AS NOTED.				
4A,B	**25011425**	FILTER ASSY.	1			
4A,B	**5574533**	FILTER ASSY. (T-65) (PAGE B1)		1		1
4A	**6436957**	FILTER ASSY. (T-75) (PAGE B1)			1	
	8923847	PLUG, 1/4" PIPE (4.7001)		1	2	1
	8924517	PLUG, 3/8" PIPE (12.9550)	2			
	5115214	PLUG, 1/2" PIPE (12.9550)			1	
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)		2		
	180150	BOLT, 7/16"-14X1 5/8" (12.9001)	8		4	
	103321	LOCKWASHER, 3/8" (12.9200)		2		
	120383	LOCKWASHER, 7/16" (12.9200)	8		4	
	103341	WASHER, 3/8" (12.9190)		2		
	120395	WASHER, 7/16" (12.9190)	8		4	
	102635	NUT, 3/8"-16 (12.9120)		2		
	271501	NUT, 7/16"-14 (12.9120)	8		4	
		2.3530 - BRACKET, FUEL FILTER MOUNTING				
4A,B	**5138128**	BRACKET, FILTER & STRAINER (2.3260)	1			
	23501223	BRACKET		1		
	23501745	BRACKET, FILTER & STRAINER			1	
	23501791	BRACKET (W/LIFTER EYE)				1
	179839	BOLT, 3/8"-16X1" (12.9001)	3		3	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1		
	179886	BOLT, 3/8"-16X1 5/8" (12.9001)		1		
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)				1
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)				1
	8925384	SPACER, .50" THK.				1
	103321	LOCKWASHER, 3/8" (12.9200)	3		3	
	103323	LOCKWASHER, 1/2" (12.9200)		1		1
	103325	LOCKWASHER, 5/8" (12.9200)				1

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.3001 - STRAINER ASSY., FUEL														
10B	**5575824**	STRAINER ASSY. (T-67)	1													
10B	**5575568**	STRAINER ASSY. (T-60) (SOCK TYPE)		1												
10B	**5575570**	STRAINER ASSY. (T-66)			1											
10B	**5577342**	STRAINER ASSY. (TL-70)				1										
	5570915	STRAINER ASSY. (TDL-2) (DUAL)					1									
10B	**6436075**	STRAINER ASSY. (T-74)						1								
	6438799	STRAINER ASSY. (T-80)							1							
	5113928	STRAINER ASSY. (4" METAL ELEMENT) (DUAL)								1						
	5111605	STRAINER ASSY. (PUROLATOR TYPE D-17J-30)									1					
	5193706	+ DECAL								2						
		+ OBSOLETE.														
		2.3010 - ELEMENT, FUEL STRAINER (PRIMARY)														
		INCLUDES GASKETS IN 2.3020, 2.3090 AND 2.3130.														
3A	**5575032**	ELEMENT (8" SOCK TYPE) (A.C. TYPE T-552)	1					1								
3A	**5574961**	ELEMENT (6" SOCK TYPE) (A.C. TYPE T-553)		1												
3A	**5574980**	ELEMENT (9" SOCK TYPE) (A.C. TYPE T-541)			1				1							
3A	**1595655**	ELEMENT (A.C. TYPE TL-12)				1										
3B	**5571417**	ELEMENT (6") (A.C. TYPE T-503)					2									
	5196634	# ELEMENT AND KNIFE ASSY. (4" METAL)								2						
	5194834	ELEMENT AND KNIFE ASSY. (4" METAL)									1					
		# DOES NOT INCLUDE ITEM IN 2.3090.														
		2.3020 - GASKET, FUEL STRAINER ELEMENT TOP														
	1503542	GASKET				1	2									
		2.3050 - SHELL, FUEL STRAINER (PRIMARY)														
3A	**5575056**	SHELL ASSY. (INCLUDES DRAIN IN 2.3050) (2.3380)	1					1								
3A	**5577586**	SHELL ASSY. (INCLUDES BOLT IN 2.3120) (2.3380)		1												
3A	**5575800**	SHELL ASSY. (INCLUDES PLUG)			1											
3A	**6435007**	SHELL ASSY. (INCLUDES DECAL)				1										
3A	**6436433**	SHELL ASSY. (INCLUDES BOLT IN 2.3120)							1							
	5193697	SHELL								2						
	5571149	SHELL					2									

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.3050 - *SHELL, FUEL STRAINER (PRIMARY)* (CONT'D)														
3A	**103647**	DRAINCOCK, 1/4" (12.9510)	1	1		1		1								
3B	**5570480**	PLUG			1		2		1							
	5196640	PLUG								2						
	5575060	RETAINER, STRAINER ELEMENT						1								
	5574124	SPRING, RETAINER						1								
	5574122	SEAT, SPRING RETAINER						1								
	5574120	RING, RETAINING						1								
	5574126	SEAL, STRAINER ELEMENT SEAT						1								
	694203	GASKET (PLUG)								2						
		2.3060 - SPRING, FUEL STRAINER (PRIMARY)														
	6435048	SPRING				1										
3B	**5571846**	SPRING					2									
	6436424	SPRING (2.3370)							1							
3B	**103345**	WASHER, 5/8" FLAT (12.9190)					2									
		2.3070 - RING, FUEL STRAINER SHELL RETAINING														
	5193698	RING								2						
		2.3080 - *COVER, FUEL STRAINER*														
3A	**6436253**	COVER ASSY. (IDENTIFIED WITH CAST P) (INCLUDES ITEMS IN 2.3090,2.3120 AND 2.3130) (2.3390)	1	1												
3A	**5575797**	COVER ASSY. (INCLUDES ITEMS IN 2.3120 AND 2.3130)			1											
3B	**5571304**	COVER ASSY. (INCLUDES ITEMS IN 2.3100)					1									
	6435045	* COVER				1										
	5196638	COVER								1						
3A	**6436746**	COVER (IDENTIFIED WITH CAST P)						1								
3A	**6438519**	COVER (IDENTIFIED WITH CAST P)							1							
3B	**134519**	DRAINCOCK, 1/8" (12.9510)					2									
	5115214	PLUG, 1/2" PIPE (12.9550)								1						
		* NO LONGER AVAILABLE FOR SERVICE.														
		2.3090 - GASKET, FUEL STRAINER COVER														
	5193704	GASKET								2	2					
3A	**5574161**	GASKET (2.3400)	1	1				1								
	5571024	GASKET (4.2300)			1				1							
	1503541	GASKET				1										

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.3090 - GASKET, FUEL STRAINER COVER (CONT'D)														
3B	**1595459**	GASKET (2.3400)					2									
		2.3100 - PLUG, FUEL STRAINER COVER														
3A,B	**5121182**	PLUG, 1/4" PIPE (12.9550)	2	2			4									
	112578	PLUG, 1/4" PIPE BRASS (12.9550)				1										
	5145014	PLUG, 3/8" PIPE						1								
3B	**5115214**	PLUG, 1/2" PIPE (12.9550)					2									
	6435047	* PLUG				1										
		* OBSOLETE, NO REPLACEMENT.														
		2.3110 - GASKET, FUEL STRAINER COVER PLUG														
	1503538	GASKET				1										
		2.3120 - SCREW, FUEL STRAINER COVER														
	5575793	SCREW			1											
	6435046	SCREW				1										
3A	**6435793**	BOLT (WITH COVER MARKED P)	1	1				1								
	6436437	* BOLT (WITH COVER MARKED P)							1							
	5574920	* RING, SNAP			1											
3B	**5570478**	* NUT (4.2320)					2									
		* OBSOLETE, NO REPLACEMENT.														
		2.3130 - GASKET, FUEL STRAINER COVER SCREW														
3A	**6435794**	GASKET (WITH COVER MARKED P)	1	1				1								
	6437298	GASKET			1		2		1							
3A	**1503536**	GASKET				1										
		2.3170 - HANDLE, FUEL STRAINER														
	5193707	HANDLE (FLOW CONTROL)								1						
	5196639	HANDLE (KNIFE CONTROL) (2.3505)								1						
3B	**1504462**	HANDLE					1									
		2.3220 - VALVE, FUEL STRAINER REGULATOR														
	5193702	VALVE								1						

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2.3230	**- PACKING, FUEL STRAINER REGULATOR VALVE**														
	3230393	PACKING								1						
	2.3260	**- BRACKET, FUEL STRAINER MOUNTING**														
	5193705	BRACKET								1						
	179839	BOLT, 3/8"-16X1" (12.9001)								2						
	103321	LOCKWASHER, 3/8" (12.9200)								2						

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.3310 - FILTER ASSY., FUEL														
10B	**5574533**	FILTER ASSY. (8") (T-65)	1		1											
10B	**5575569**	FILTER ASSY. (8") (T-64)		1												
10B	**6436957**	FILTER ASSY. (11") (T-75)				1										
	5129449	FILTER ASSY. (FRAM TYPE FCS1133PLM)					1									
		2.3320 - ELEMENT, FUEL FILTER														
		INCLUDES GASKET IN 2.3400.														
3C	**5574508**	ELEMENT (8" PAPER) (T.P.540X) (VERTICAL PLEAT)	1													
3C	**6436719**	ELEMENT (8" PAPER) (T.P.624)		1		1										
	5193614	ELEMENT (8" PAPER)			1											
	5196878	ELEMENT (COALESCER)					1									
	5196879	ELEMENT (SEPARATOR)					1									
		2.3322 - SEAT, FUEL FILTER ELEMENT														
3C	**5574123**	SEAT	1													
3C	**5574126**	SEAL	1													
3C	**5574120**	RETAINER	1													
		2.3370 - SPRING, FUEL FILTER ELEMENT														
3C	**5574124**	SPRING	1													
	6436424	SPRING				1										
3C	**5574122**	SEAT	1													
		2.3380 - SHELL, FUEL FILTER														
3C	**5575169**	SHELL ASSY. (INCLUDES ITEMS IN 2.3322 AND 2.3370)	1													
	5575795	SHELL ASSY. (INCLUDES ITEMS IN 2.3480)		1												
	5193852	SHELL ASSY.			1											
3C	**6436420**	SHELL ASSY. (INCLUDES ITEMS IN 2.3370, 2.3380.				1										
	5570480	PLUG, 1/4" (2.3050)		1		1										
		2.3390 - COVER, FUEL FILTER														
3C	**6436417**	COVER				1										
3C	**6436254**	COVER ASSY. (INCLUDES ITEMS IN 2.3400, 2.3410 AND 2.3420)	1													

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.3390 - COVER, FUEL FILTER (CONT'D)														
	5575796	COVER ASSY. (INCLUDES ITEMS IN 2.3410 AND 2.3420)		1												
		2.3400 - GASKET, FUEL FILTER COVER SHELL														
3C	**5574161**	GASKET	1													
	5571024	GASKET		1		1										
	5192801	GASKET			1											
		2.3410 - SCREW, FUEL FILTER COVER														
	5574118	SCREW	1													
	5575793	SCREW (2.3110)		1												
	6436418	SCREW				1										
	5575794	SPRING (2.3370)		1												
	5192913	NUT			1											
		2.3420 - GASKET, FUEL FILTER COVER SCREW														
3C	**1503536**	GASKET (2.3130)	1													
	6437298	GASKET (4.2330)		1												
	2243465	GASKET			1											
3C	**6435794**	GASKET (2.3130)				1										
		2.3480 - PLUG, FUEL FILTER														
3C	**5145010**	PLUG, 1/4" PIPE (IN COVER) (12.9550)	2		1											
	5570480	PLUG, 1/4" (2.3050)		1												
		2.3500 - DRAINCOCK, FUEL FILTER														
3C	**103647**	DRAINCOCK, 1/4" (12.9510)	1		1											

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2.3000A FUEL FILTER (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 257	TYPES 283	TYPES 332
		2.3001 - STRAINER ASSY., FUEL (TWIN AND QUAD)			
		SEE ASSEMBLY BREAKDOWN PAGE A1.			
4A,B	**5575570**	STRAINER ASSY. (T-66)	2	2	
4A,B	**5113928**	STRAINER ASSY. (DUAL)			2
	5574921	+ DECAL	2	2	
	5574516	+ DECAL			2
		+ OBSOLETE.			
		2.3165 - STRAP, FUEL STRAINER MOUNTING (TWIN AND QUAD)			
	5127156	STRAP	4	4	
	132430	SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)	4	4	
	186627	BOLT, 3/8"-24X1" (12.9001)	7		
	103341	WASHER, 3/8" FLAT (12.9190)	7		
	103321	LOCKWASHER, 3/8" (12.9200)	7		
	120382	LOCKWASHER, 3/8" (12.9200)	4	4	
	117049	NUT, 3/8"-24 HEX. (12.9120)	7		
	123221	NUT, 3/8"-16 SQ. (12.9120)	4	4	
		2.3260 - BRACKET, FUEL STRAINER MOUNTING (TWIN AND QUAD)			
4A,B	**5128649**	BRACKET (STRAINER AND FILTER)	2		
	180121	BOLT, 3/8"-16X7/8" (12.9001)	6		
	103321	LOCKWASHER, 3/8" (12.9200)	6		
		2.3310 - FILTER ASSY., FUEL (TWIN AND QUAD)			
		SEE ASSEMBLY BREAKDOWN PAGE B1.			
4A,B	**5575569**	FILTER ASSY. (T-64)	2	2	
4A,B	**5574533**	FILTER ASSY. (T-65)			2
	5574879	DECAL	2	2	
	5121182	PLUG, 1/4" PIPE (12.9550)			1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			4
	103321	LOCKWASHER, 3/8" (12.9200)			4
		# FIG. 10B OF 5.0000.			
		2.3503 - STRAP, FUEL FILTER MOUNTING (TWIN AND QUAD)			
4A,B	**5127156**	STRAP	4	4	
	132430	SCREW, 3/8"-16X2 1/2" FIL. HD. (12.9010)	4	4	
		2.3503 - STRAP, FUEL FILTER MOUNTING			
	186627	BOLT, 3/8"-24X1" (12.9001)	7	8	
	103341	WASHER, 3/8" FLAT (12.9190)	AR	AR	
	120382	LOCKWASHER, 3/8" (12.9200)	4	4	

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2.3000A FUEL FILTER (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2 5 7	2 3 8 1	3 3 2
		2.3503 - STRAP, FUEL FILTER MOUNTING (CONT'D)			
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	
	123221	NUT, 3/8"-16 SQ. (12.9120)	4	4	
	117049	NUT, 3/8"-24 HEX. (12.9120) # FIG. 10B OF 5.0000.	7	8	
		2.3530 - BRACKET, FUEL FILTER MOUNTING (TWIN AND QUAD)			
4A,B	5100109	BRACKET		2	
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)		8	
	103321	LOCKWASHER, 3/8" (12.9200)		8	

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2.4000 FUEL MANIFOLD AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5 5
		2.4020 - PIPE, FUEL	
		QUANTITIES SHOWN ARE PER CYLINDER.	
1A,B	**5111527**	PIPE ASSY. (LONG)	1
1A,B	**5111526**	PIPE ASSY. (SHORT)	1
	5127276	# PIPE ASSY. (SHORT)	AR
	5127275	# PIPE ASSY. (LONG)	AR
		# MUST BE USED ADJACENT TO LOAD LIMIT SCREW, MAY BE USED THROUGHOUT.	
		2.4030 - CONNECTOR, FUEL PIPE	
1A,B	**5117369**	CONNECTOR	2
		2.4050 - WASHER, FUEL PIPE CONNECTION	
1A,B	**5125108**	WASHER	2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 379	382	395	396	408	409	428	429	431	437	438	461
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5109734	VALVE (SWING)									1			
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
4A,B	**5125782**	HOSE, FLEX. (1/2"I.D.X14"L.)		1			1			1				
4A,B	**5124391**	* @ HOSE, FLEX. (13/32"I.D.X22 29/32"L.)			1									
4A,B	**5124392**	* HOSE, FLEX. (5/16"I.D.X15"L.)											1	
4A,B	**190367**	* ELBOW, 1/4"-90 DEG. STREET (12.9590)									1		1	
4A,B	**118755**	* ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)											1	
4A,B	**144128**	ELBOW, 3/8"-90 DEG. PIPE (12.9600)			1									
4A,B	**2325715**	* ELBOW, 1/2"-90 DEG.			1									
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							2					
	5181080	* CONNECTOR, 3/8" (4.7100)			1									
	5169475	* CONNECTOR (AT BASE) (2.5210)											1	
	121207	* NIPPLE, 3/8"X1" PIPE (12.9560)			1									
	103327	* LOCKWASHER, 7/8" (12.9200)			1								1	
	122432	* NUT, 7/8"-14 HEX. (12.9120)			1								1	
		* USE ONLY WHEN BASE IS FURNISHED. @ OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE												
	5171509	* CLIP, 5/8" (9.1591)			1									
		* USE ONLY WHEN BASE IS FURNISHED.												
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A,B	**5128612**	@ TUBE (26.70" DEV. L.)			1									
10B	**5126287**	@ TUBE (28.90" DEV. L.)				1						1		
4A,B	**5125033**	@ TUBE (22.26" DEV. L.)											1	
4A,B	**5128333**	@ TUBE (TO JUNCTION) (19.06" DEV. L.)												1
4A,B	**5185394**	HOSE, FLEX. (13/32"I.D.X27"L.) (8.3830)					1							
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			1									
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1	1						1	1	
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)					1							
	444000	ADAPTOR, 1/8" PIPE (12.9460)					1							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 379	382	395	396	408	409	428	429	431	437	438	461
		2.5050 - TUBE, STRAINER TO FUEL PUMP (CONT'D)												
		@ OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5060 - TUBE, FUEL PUMP INLET												
	5125590	@ TUBE (18.58" DEV. L.)		1					1		1			
	188947	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)		1					1		1			
		@ OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
	5134759	CLIP, 3/8" (2.5156)	1	1					1					
	5153473	CLIP (4.6040)		1					1		1			
	3290076	CLIP (4.8040)			1									
	5169119	CLIP (2.5120)										1		
	5177623	CLIP, 3/8" (2.5120)				1								
	3291251	CLIP, 5/8" TUBE, 1/2" BOLT (1.1060)					2							
	5151189	CLIP, 3/4" HOSE (4.8040)					1							
	5112241	CLAMP 2 1/2"L.X5/8" BOLT												4
	110502	BOLT, #10-24X3/4" (12.9025)												2
	120217	LOCKWASHER, #10 (12.9200)												2
	110633	NUT, #10-24 HEX. (12.9120)												2
		2.5100 - TUBE, PUMP TO FILTER												
4A,B	**5128336**	* TUBE (16.46" DEV. L.) (TO JUNCTION)												1
4A,B	**5140018**	* TUBE (17.46" DEV. L.)	1	1					1				1	
4A,B	**5135995**	* TUBE (20.16" DEV. L.)									1			
4A,B	**5125019**	* TUBE (20.24" DEV. L.)			1									
4A,B	**5124809**	* TUBE (22.30" DEV. L.)				1								
4A,B	**5126286**	* TUBE (23.46" DEV. L.)							1					
	5108553	HOSE, FLEX. (13/32"I.D.X17 3/8" L.) (12.4090)					1							
	444040	ELBOW, 1/4"-90 DEG. STREET (12.9590)	1	1					1				1	
10A	**193004**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2		2			2		2	2	2	2
	9432249	ELBOW, 3/8"-90 DEG. (12.9480)			1						1			
	188947	ELBOW, 1/2" INV. FL. TUBE (12.9480)	1				1							
	5138305	@ CONNECTOR ASSY 3/8 SEALASTIC (12.9415)	1	1					1				1	
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)	1	1					1				1	
	5121182	PLUG, 1/4" PIPE (12.9550)	1	1					1					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 379	382	395	396	408	409	428	429	431	437	438	461
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)												
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550												
		@ INCLUDES SEAL RING IN 2.5100 PLUS NUT NOT SOLD SEPARATELY.												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	5112241	CLAMP (2.5070)	2		2								2	
	110502	SCREW, #10-24X3/4" (12.9025)	1		1								1	
	120217	LOCKWASHER, #10 (12.9200)	1		1								1	
	110633	NUT, #10-24 HEX. (12.9120)	1		1								1	
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
10A	**5122331** *	TUBE (RIGHT BANK) (12.72" DEV. L.)	1	1					1				1	
10A	**5125692** *	TUBE (LEFT BANK) (30.50" DEV. L.)	1	1										
10A	**5125020** *	TUBE (RIGHT BANK) (26.50" DEV. L.)			1									
10A	**5125018** *	TUBE (LEFT BANK) (39.68" DEV. L.)			1									
10A	**5124737** *	TUBE (LEFT BANK) (TO TEE) (14.10" DEV. L.)				1								
10A	**5124743** *	TUBE (LEFT BANK TO RIGHT BANK) (19.56" DEV. L.)				1						1		
10A	**5125692** *	TUBE (LEFT BANK) (30.50" DEV. L.)							1				1	
10A	**5125517** *	TUBE (RIGHT BANK) (25.74" DEV. L.)									1			
10A	**5125516** *	TUBE (LEFT BANK) (38.50" DEV. L.)									1			
10A	**5126288** *	TUBE (LEFT BANK) (TO TEE) (13.30" DEV. L.)										1		
	5128335 *	TUBE (RIGHT BANK) (JUNCTION) (12.62" DEV. L.)												1
	5128334 *	TUBE (LEFT BANK) (JUNCTION) (25.36")												1
	5109448	HOSE, FLEX. (5/16"I.D.X37 1/4"L.)					1							
10A	**193004**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2		2			2		1		2	
10A	**9432249**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			2									
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			1									
	120702	ELBOW, 3/8" STREET 45 DEG. (12.9590)					1							
	5125884	ELBOW, 3/8"-90 DEG. (2.5150)					2							
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2	2	2	2			2		1	2	2	2
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)									1			1
	444136	TEE, 3/8"X3/8" (12.9616)			1									
	178690	TEE, 3/8" INV. FL. TUBE (12.9490)				1						1		
	442348	TEE, 3/8" INV. FL. TUBE (12.9490)									1			
	2191465	TEE, 3/8" (7.8295)										1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 379	382	395	396	408	409	428	429	431	437	438	461
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)												
	5128892	TEE (12.9616)					1							
	5145009	PLUG, 1/8" PIPE (12.9550)					1					1		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5180 - CLIP, FILTER TO CYL. HEAD TUBE												
	5110070	CLIP (2.5120)				1						1		
	5133575	BRACKET	1	1					1					
	5112241	CLAMP (2.5070)	2		2								2	
	110502	SCREW, #10-24X3/4" (12.9025)	1		1								1	
	103342	WASHER, 7/16" (12.9190)			1								1	
	120217	LOCKWASHER, #10 (12.9200)	1		1								1	
	110633	NUT, #10-24 HEX. (12.9120)	1		1								1	
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
	5125580 *	TUBE (19.77" DEV. L.)	1	1	1			1	1	1	1		1	
	5127741 *	TUBE (13 7/8" DEV. L.)					1							
	5129248 *	TUBE (19.40" DEV. L.)				1						1		
	5129437 *	TUBE (18.77" DEV. L.)												1
	142664	ELBOW, 5/16" FL. TUBE (12.9390)					1							
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1		1	1	1	1	1	1	1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	5129843	TEE, 5/16" RESTRICTED (.080") (12.9496)	1	1	1	1	1	1	1	1	1	1	1	1
	2294381	ADAPTOR (IN RESTRICTED TEE)					1							
	5145014	PLUG, 3/8" PIPE (12.9550)		1	1	1	1	1	1	1	1	1	1	
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5210 - TUBE, FUEL DRAIN												
	5103904	TUBE (FUEL RETURN) (26.20" DEV. L.)	1	1	1				1				1	
	5122330 *	TUBE (31.20" DEV. L.)				1								
	5128176 *	TUBE (FUEL RETURN) (19.60" DEV. L.)										1		
	5128332 *	TUBE (TO JUNCTION) (9.82" DEV. L.)												1
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)												1
	143338	ELBOW, 3/8" PIPE 45 DEG. STREET (12.9590)												1
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)							1					
	425250	CONNECTOR, INV. FL. TUBE (12.9460)			1								1	
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	1	1										

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 379	382	395	396	408	409	428	429	431	437	438	461
		2.5210 - TUBE, FUEL DRAIN (CONT'D)												
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380) * OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.			1								1	
		2.5215 - *TUBE, FUEL DRAIN FLEXIBLE*												
	5118782	= HOSE, FLEX. (1/4"I.D.X14"L.) (2.5210)		1					1		1			
	5124393	@ = HOSE, FLEX. (5/16"I.D.X19 17/32"L.) (2.5210)			1								1	
	5186063	HOSE, FLEX. (1/4"I.D.X14"L.)					1							
	5169475	@ CONNECTOR (2.5210)			1								1	
	103327	@ LOCKWASHER, 7/8" (12.9200)			1								1	
#	**122432**	@ NUT, 7/8"-14 HEX. (12.9120) # FIG. 5B OF 4.0000. @ USE ONLY WHEN BASE IS FURNISHED. = OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.			1								1	
		2.5220 - CLIP, FUEL DRAIN TUBE												
	5134840	CLIP, 5/16"	1	1				1	1	1				
	3290459	CLIP, 5/16"			1	1					1		1	
	5163529	& CLIP, 5/16" (12.3060)				2								2
	5176249	CLIP, 5/16" (5.3332)												1
	5166565	BRACKET (9.1591)									1			
	5133574	BRACKET	1	1				1	1	1				
	5138090	CLAMP	2	2					2					
	110502	SCREW, #10-24X3/4" (12.9025)	2	2					2			2		
	454894	BOLT, 1/4"-20X3/4" (12.9001)			1							1		
	113699	BOLT, 3/8"-24X1/2" (12.9001)							1					
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1					1			1			
	181361	BOLT, 3/8"-24X7/8" (12.9001)												1
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)	1											
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	1					1			1			
	120392	WASHER, 1/4" FLAT (12.9190)				1						1		
	106263	WASHER, 3/8" FLAT (12.9190)	1					1	1		1			
	103341	WASHER, 3/8" FLAT (12.9190)	1	1					1					
	120217	LOCKWASHER, #10 (12.9200)	2	2					2			2		
	103321	LOCKWASHER, 3/8" (12.9200)	1					1	1		1			1
	110633	NUT, #10-24 HEX. (12.9120)	2	2					2			2		
	123179	NUT, 1/4"-20 HEX. (12.9120)				1						1		
	117049	NUT, 3/8"-24 HEX. (12.9120) & WITH LIFTER BRACKET TYPE 47.	1					1	1		1			1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 379	382	395	396	408	409	428	429	431	437	438	461
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION												
	5126977	BLOCK												1
	5121182	PLUG, 1/4" PIPE (12.9550)												4
	5145014	PLUG, 3/8" PIPE (12.9550)												1
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)												1
	103323	LOCKWASHER, 1/2" (12.9200)												1
		2.5252 - BRACKET, FUEL SYSTEM JUNCTION BLOCK												
	5126976	BRACKET												1
	2090390	CONNECTOR, 1/4" PIPE (2.5150)												3
	179839	BOLT, 3/8"-16X1" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)												2
	131047	LOCKWASHER, 7/8" (12.9200)												3

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4063	4074	4079	4082	4084	4092	4094	5113	5116	5117	5222	5334
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
	5124391	* @ HOSE, FLEX. (13/32"I.D.X22 29/32"L.)	1											
#	**5124392**	* HOSE, FLEX. (5/16"I.D.X15"L.)									1			
	5128916	= HOSE, FLEX. (13/32"I.D.X29"L.)					1							
	190367	* ELBOW, 1/4"-90 DEG. STREET (12.9590)	1								1			
	118755	* ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)									1			
	144128	ELBOW, 3/8"-90 DEG. PIPE (12.9600)	1				1							
	2325715	* ELBOW, 1/2"-90 DEG.	1				1							
	5181080	* CONNECTOR, 3/8" (4.7100)	1				1							
	5169475	* CONNECTOR (AT BASE) (2.5210)									1			
	121207	* NIPPLE, 3/8"X1" PIPE (12.9560)	1				1							
	103327	* LOCKWASHER, 7/8" (12.9200)	1				1				1			
#	**122432**	* NUT, 7/8"-14 HEX. (12.9120)	1				1				1			
		# FIG. 5B OF 4.0000.												
		* USE ONLY WHEN BASE IS FURNISHED.												
		@ OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		= OBSOLETE.												
		2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE												
	5171509	* CLIP, 5/8" (9.1591)	1				1							
		* USE ONLY WHEN BASE IS FURNISHED.												
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	**5128612**	@ TUBE (26.70" DEV. L.)					1							
	5128333	@ TUBE (TO JUNCTION) (19.06" DEV. L.)												1
4A	**5123778**	@ TUBE (24.94" DEV. L.)									1			
4A	**5128612**	*@ TUBE (26.70" DEV. L.)*	1											
4A	**5130687**	HOSE, FLEX. (22 3/4"L.)		1										
4A	**5115727**	* HOSE, FLEX. (3/8"I.D.X26"L.) (5113689)			1									
4A	**5115732**	* HOSE, FLEX. (3/8"I.D.X43"L.) (5113689)						1						
4A	**5113689**	HOSE, FLEX. #6X75"L.(48"L.)											1	
4A	**5185389**	HOSE, FLEX. (1/2"I.D.X57 1/2"L.) (8.3830)				1								
	105413	ELBOW, 1/4"-90 DEG. INV.FL. TUBE (12.9600)											2	
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1	1			1							
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1		2		1	1			1		1	
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)									1			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 463	474	479	482	484	492	494	513	516	517	522	534
		2.5050 - TUBE, STRAINER TO FUEL PUMP (CONT'D)												
	143338	ELBOW, 3/8"-45 DEG. STREET (12.9480)									1			
	188947	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)				1								
	5114049	FITTING (1.2001)			2			1					1	
	5113214	FITTING, 1/4" (12.6689)						1					1	
	5125883	CONNECTOR, 1/2" (2.5150)				1								
	444000	ADAPTOR, 1/8" PIPE (12.9460)				1								
	444148	TEE, 1/4"-18 PIPE (12.9616)		1										
		@ OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		* NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES OUT TO DESIRED LENGTH.												
		2.5060 - TUBE, FUEL PUMP INLET												
	5138505	@ TUBE (1/2"X50"L.)								1				
	109429	ELBOW, 5/8"-90 DEG. INV. FL. TUBE (12.9390)								1				
	5100325	ADAPTOR (2.5050)								1				
		@ OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
	5134759	CLIP, 3/8" (2.5156)									1		1	
	3290076	CLIP (4.8040)			2	3	1	3			1		3	
4A	5168001	CLIP, 1/2" (12.4095)		1					2					
	3291251	CLIP, 5/8" TUBE, 1/2" BOLT (1.1060)								1				
	5100364	CLIP, 5/8"							1					
	5151189	CLIP, 3/4" HOSE (4.8040)								1				
	5113488	SPACER, 5/16"X9/16"X5/16" (2.9410)								1				4
	5112241	CLAMP 2 1/2"L.X5/8" BOLT												2
	110502	BOLT, #10-24X3/4" (12.9025)								1				
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)		1										2
	120393	WASHER, 5/16" (12.9190)												2
	120217	LOCKWASHER, #10 (12.9200)												2
	110633	NUT, #10-24 HEX. (12.9120)												
		2.5100 - TUBE, PUMP TO FILTER												
	5128336	* TUBE (16.46" DEV. L.) (TO JUNCTION)												1
10A	5140018	* TUBE (17.46" DEV. L.)									1	1		
10A	5125019	* TUBE (20.24" DEV. L.)	1				1							
	5100242	* TUBE (42.60" DEV. L.)								1				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4063	4074	4079	4082	4084	4092	4094	5113	5116	5117	5222	5334
		2.5220 - CLIP, FUEL DRAIN TUBE (CONT'D)												
4A	5130690	HOSE, FLEX. (5/16"X11" L.)		1										
	5129441 *	HOSE, FLEX. (3/8"I.D.X36")						1					1	
	5108553	HOSE, FLEX. (13/32"I.D.X17 3/8" L.) (12.4090)							1					
	5115721 @	HOSE, FLEX. (17" L.) (5113689)			1									
	5123319	HOSE, FLEX. (53 1/2" L.)				1								
	118757	ELBOW, 90 DEG. (12.4085)				1								
	444040	ELBOW, 1/4"-90 DEG. STREET (12.9590)									1	1		
4A	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)		1										
10A	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			2			2			2	2	2	2
	9432249	ELBOW, 3/8"-90 DEG. (12.9480)	1	1			1							
	111316	ELBOW, 3/8"-90 DEG. (12.9590)							1					
	188947	ELBOW, 1/2" INV. FL. TUBE (12.9480)				1			1					
	5138299 #	ELBOW ASSY, 1/2" SEALASTIC (12.9425)								1				
	5138305 #	*CONNECTOR ASSY, 3/8" SEALASTIC* (12.9415)									1	1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1				1							
	5125883	CONNECTOR, 1/2" (2.5150)				1			1					
	5138306 #	CONNECTOR ASSY., 1/2" SEALASTIC (12.9415)								1				
	5114049	FITTING (1.2001)			2			2					2	
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)									1	1		
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)FROM BULK MATERIAL SHOWN IN 12.8550.								2				
		@ NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES CUT TO DESIRED LENGTH.												
		# INCLUDES SEAL RING IN 2.5100 PLUS NUT NOT SOLD SEPARATELY.												
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	3290076	CLIP (4.8040)			3			2					2	
	5168001	CLIP, 1/2" (12.4095)								2				
	5112241	CLAMP (2.5070)	2				2							
	5176400	BRACKET (4.8010)						1					1	
	110502	SCREW, #10-24X3/4" (12.9025)	1				1							
	180120	BOLT, 3/8"-16X3/4" (12.9001)				1				2				
	186627	BOLT, 3/8"-24X1" (12.9001)						1					1	
	120217	LOCKWASHER, #10 (12.9200)	1				1							
	103321	LOCKWASHER, 3/8" (12.9200)				1		1		2			1	
	110633	NUT, #10-24 HEX. (12.9120)	1				1							
	117049	NUT, 3/8"-24 HEX. (12.9120)						1					1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 463	474	479	482	484	492	494	513	516	517	522	534
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
10A	**5122331**	* TUBE (RIGHT BANK) (12.72" DEV. L.)									1	1		
10A	**5125692**	* TUBE (LEFT BANK) (30.50" DEV. L.)										1		
10A	**5125020**	* TUBE (RIGHT BANK) (26.50" DEV. L.)	1				1							
10A	**5125018**	* TUBE (LEFT BANK) (39.68" DEV. L.)	1				1							
10A	**5124743**	* TUBE (LEFT BANK TO RIGHT BANK) (19.56" DEV. L.)			1			1					1	
10A	**5125692**	* TUBE (LEFT BANK) (30.50" DEV. L.)									1			
	5128335	* TUBE (RIGHT BANK) (JUNCTION) (12.62" DEV. L.)												1
	5109447	* HOSE, FLEX. (5/16"I.D.X23 3/4"L.)							1					
	5109448	HOSE, FLEX. (5/16"I.D.X37 1/4"L.)							1					
4A	**5130689**	HOSE, FLEX. (17 1/4" L.)		1										
	5115728	@ HOSE, FLEX. (L.B.) (3/8"I.D.X30 1/2"L.)			1									
	5185392	* HOSE, FLEX. (R.B.) (13/32"I.D. X46"L.)				1								
	5118742	* HOSE, FLEX. (LEFT BANK) (35 1/2"L.)				1								
	5189175	* HOSE, FLEX. (FRONT, RIGHT BANK) (5/16"I.D.X25 5/16"L.)								1				
	5113691	@ HOSE, FLEX. (LEFT BANK) (3/8"I.D.X34")						1					1	
	5110183	* HOSE, FLEX. (LEFT BANK) (5/16"I.D.X58")								1				
	119113	ELBOW, 1/4" PIPE 45 DEG. (12.9480)				1								
	2011306	ELBOW, 1/4"-45 DEG. (12.9590)								1				
10A	**193004**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			2						2	2		
10A	**9432249**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1				2							
	190367	ELBOW, 3/8"-90 DEG. STREET (12.9590)								1				
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	1	1			1							
	5125884	ELBOW, 3/8"-90 DEG. (2.5150)							2	1				
	188947	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)				1								
	118757	ELBOW, 90 DEG. (12.4085)				1								
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	2	2		1	2			2	2	1	2
	118750	CONNECTOR, 3/8" FL. TUBE 90 DEG. (12.9460)								2				
	5125883	CONNECTOR, 1/2" (2.5150)				1								
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)												1
	444136	TEE, 3/8"X3/8" (12.9616)	1				1		1					
	178690	TEE, 3/8" INV. FL. TUBE (12.9490)			1			1					1	
	444122	TEE, 3/8"X3/8"X3/8" (12.9490)				1								
	444150	TEE, 3/8"-18 PIPE (12.9616)								1				
	5114049	FITTING, 5/8"-18 (2.5010)			2			1						
	5116440	FITTING, RESTRICTED (.070") (2.5210)								2				
	5113214	FITTING, 1/4"-18 (12.6689)						1					1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 463	474	479	482	484	492	494	513	516	517	522	534
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)												
	5114049	FITTING, 5/8"-18 (1.2001)											1	
	120278	NIPPLE, 3/8"X2" PIPE (12.9560)				1								
	3304086	ADAPTOR, 1/4"X3/8" (7.4590)				1								
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ NOT SERVICED; USE 5113689 CUT TO DESIRED LENGTH.												
		2.5180 - CLIP, FILTER TO CYL. HEAD TUBE												
	3290076	CLIP (4.8040)			1	2		2		3			2	
	5133575	BRACKET									1			
	5112241	CLAMP (2.5070)	8				8				2			
	110502	SCREW, #10-24X3/4" (12.9025)	4				4				1			
	180120	BOLT, 3/8"-16X3/4" (12.9001)											2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1								
	120217	LOCKWASHER, #10 (12.9200)	4				4				1			
	110633	NUT, #10-24 HEX. (12.9120)	4				4				1			
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
	5125580 *	TUBE (19.77" DEV. L.)	1				1				1	1		1
	5127741 *	TUBE (13 7/8" DEV. L.)							1					
	5129248 *	TUBE (19.40" DEV. L.)			1	1		1					1	
	5130688	HOSE, FLEX. (17 1/4" L.)		1										
	5130691	HOSE, FLEX. (5/16"X21"L.)		1										
	142664	ELBOW, 5/16" FL. TUBE (12.9390)							1					
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1		1	1	1	1			1	1	1	1
	5112892	ELBOW, 5/16" INV. FL. TUBE (.106" RESTRICTION) (2.4001)		1										
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		2										
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1	1	1	1	1	1		1	1	1	1
	5129843	TEE, 5/16" RESTRICTED (.080") (12.9496)	1		1	1	1	1	1		1	1	1	1
	2294381	ADAPTOR (IN RESTRICTED TEE)							1					
	5145014	PLUG, 3/8" PIPE (12.9550)	1		1		1	1	1		1			
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5210 - TUBE, FUEL DRAIN												
	5103904	TUBE (FUEL RETURN) (26.20" DEV. L.)	1				1		1		1	1		
	5128332 *	TUBE (TO JUNCTION) (9.82" DEV. L.)												1
	5129477 *	TUBE (FUEL RETURN) (16.44" DEV. L.)			1								1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4063	4074	4079	4082	4084	4092	4094	5113	5116	5117	5222	5334
		2.5210 - TUBE, FUEL DRAIN (CONT'D)												
	5129245	* TUBE (FUEL RETURN) (25.58" DEV. L.)				1		1						
	5100247	* TUBE (21.40" DEV. L.)								1				
	5100248	* TUBE (30.30" DEV. L.)								1				
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)												1
	143338	ELBOW, 3/8" PIPE 45 DEG. STREET (12.9590)												1
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)										1		
	425250	CONNECTOR, INV. FL. TUBE (12.9460)	1				1				1			
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)							1	2		1		
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)	1				1				1			
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE												
	5118782	& HOSE, FLEX. (1/4"I.D.X14"L.) (2.5210)							1					
	5124393	% & HOSE, FLEX. (5/16"I.D.X19 17/32"L.) (2.5210)	1								1			
	5128915	= HOSE, FLEX. (5/16"I.D.X25 1/2"L.) (2.5210)					1							
	5188017	HOSE, FLEX. (13/32"I.D.X12"L.) (8.3830)								1				
	5113403	@ HOSE, FLEX. (1/4"I.D.X16"L.) (3.5525) (5129867)											1	
	5169475	% CONNECTOR (2.5210)	1				1				1			
	118752	CONNECTOR, 3/8" INV.FL. TUBE (12.9460)								1				
	5189292	CONNECTOR, 1/4" HOSE (5.7100)											1	
	442337	UNION, 1/2" INV.FL. TUBE (12.9475)											1	
	5189294	FITTING, 1/4" HOSE (5.7100)											1	
	5145014	PLUG, 3/8" PIPE (12.9550)											1	
	103327	% LOCKWASHER, 7/8" (12.9200)	1				1				1			
#	**122432**	% NUT, 7/8"-14 HEX. (12.9120)	1				1				1			
		* FIG. 13D OF 1.0000.												
		# FIG. 5B OF 4.0000.												
		% USE ONLY WHEN BASE IS FURNISHED.												
		& OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES CUT TO DESIRED LENGTH.												
		= *OBSOLETE.*												
		2.5220 - CLIP, FUEL DRAIN TUBE												
	5134840	CLIP, 5/16"									1		1	
	5163529	* CLIP, 5/16" (12.3060)										2		
	5159490	CLIP, 5/16" (7.4076)			1								1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 463	474	479	482	484	492	494	513	516	517	522	534
		2.5220 - CLIP, FUEL DRAIN TUBE (CONT'D)												
	5169119	CLIP (2.5120)			1			1					1	
	3290076	CLIP, 5/8" (4.8040)				2								
	5161872	CLIP, 3/8"								2				
	5182629	CLIP, 5/16" TUBE (12.4080)				1								
	5171509	CLIP (9.1591)									1			
	5168001	CLIP, 1/2" (12.4095)		1										
	5160307	BRACKET (7.8330)		1										
	5166565	BRACKET (9.1591)			1						1	1		1
	5111079	BRACKET (4.8042)			1			1					1	
	5108443	BRACKET				1								
	5133574	BRACKET									1			
	5138090	CLAMP									2			
	110502	SCREW, #10-24X3/4" (12.9025)			2			2				2	2	
	110492	SCREW, #10-24X1 1/8" (12.9001)									1			
	454894	BOLT, 1/4"-20X3/4" (12.9001)			1			1		1				
	186618	BOLT, 5/16"-18X5/8" (12.9001)			1								1	
	5103534	BOLT, 5/16"-24 X 1/2" (VIBRA-TITE CTD) (1.7227)		1										
	181360	BOLT, 3/8"-24X3/4" (12.9001)									1	1		1
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			1	1		1			1	1	1	1
	120392	WASHER, 1/4" (12.9190)			1			1						
	120393	WASHER, 5/16" (12.9190)		1	1								1	
	106263	WASHER, 3/8" (12.9190)									1	1		1
	120217	LOCKWASHER, #10 (12.9200)			2			2			2	2	2	
	103321	LOCKWASHER, 3/8" (12.9200)									1	1		1
	110633	NUT, #10-24 HEX. (12.9120)			2			2			2	2	2	
	123179	NUT, 1/4"-20 HEX. (12.9120)			1			1		1				
	114493	NUT, 5/16"-24 HEX. (12.9120)		1										
	117049	NUT, 3/8"-24 HEX. (12.9120)									1	1		1
		* WITH LIFTER BRACKET TYPE 47.												
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION												
	5126977	BLOCK												1
	5100246	BLOCK								1				
	5121182	PLUG, 1/4" PIPE (12.9550)								1				4
	5145014	PLUG, 3/8" PIPE (12.9550)												1
	215386	BOLT, 5/16"-18X6" (12.9001)								1				
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)												1
	103323	LOCKWASHER, 1/2" (12.9200)												1
		2.5252 - BRACKET, FUEL SYSTEM JUNCTION BLOCK												
	5126976	BRACKET												1
	2090390	CONNECTOR, 1/4" PIPE (2.5150)												3
	179839	BOLT, 3/8"-16X1" (12.9001)												2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 463	474	479	482	484	492	494	513	516	517	522	534
	2.5252	**- BRACKET, FUEL SYSTEM JUNCTION BLOCK (CONT'D)**												
	103321	LOCKWASHER, 3/8" (12.9200)												2
	131047	LOCKWASHER, 7/8" (12.9200)												3

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	542	547	551	555	558	559	560	562	563	564	567	572
		2.5001 - TUBE, FUEL SUPPLY TO STRAINER													
	5129770	TUBE (DEV. L. 26.90")(FWD. ENG. FRT)					1								
	5129669	TUBE (DEV. L. 32") (FWD. ENGINE)					1								
	5129771	+ TUBE (DEV. L. 51.42") (REAR ENGINE)					1								
	442340	UNION, INV. FL. TUBE (12.9475)					1								
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)					2								
	5138299	* ELBOW ASSY., 1/2" SEALASTIC (12.9425)					2								
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)					2								
		* INCLUDES SEAL RING IN 2.5001 PLUS NUT NOT SOLD SEPARATELY.													
		+ *OBSOLETE*													
		2.5006 - VALVE, FUEL SUPPLY CHECK													
	5109734	VALVE (SWING)			1										
	5122279	VALVE (SPRING TYPE)													1
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE													
	5126691	HOSE, FLEX. (13/32"I.D.X19"L.)					2								
	5125782	HOSE, FLEX. (1/2"I.D.X14")	1												1
	5126694	HOSE, FLEX. (1/2"I.D.X15") (12.4070)												1	
	5181080	CONNECTION					2								
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)												1	
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)												1	
	9402826	ELBOW, 45 DEG. (HOSE CONNECTION)	2												2
	5127105	* ELBOW ASSY, 1/2" SEALASTIC (12.9425)					2								
	192469	NIPPLE, 1/4"X1 1/8" PIPE (12.9560)												1	
	122865	BUSHING, 1/2"X1/4" RED. (12.9575)												1	
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)					2								
	103327	LOCKWASHER, 7/8" (12.9200)					4								
	5176523	* NUT, 1/2" SEALASTIC (12.9445)					2								
	122432	NUT, 7/8"-14 HEX. (12.9120)					4								
		* OBSOLETE													
		2.5020 - CLIP, FUEL SUPPLY TO STRAINER													
	5153473	CLIP, 1/2" (4.6040)					3								
	186625	BOLT, 5/16"-18X7/8" (12.9001)					1								
	103320	LOCKWASHER, 5/16" (12.9200)					1								
	123197	NUT, 5/16"-18 HEX. (12.9120)					1								

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	542	547	551	555	558	559	560	562	563	564	567	572
		2.5030 - BRACKET, FUEL SUPPLY TO STRAINER TUBE CLIP													
	5188969	BRACKET (4.1540)					1								
	5109182	BRACKET					2								
	179838	BOLT, 3/8"-16X7/8" (12.9001)					1								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					2								
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)					2								
	103321	LOCKWASHER, 3/8" (12.9200)					AR								
		2.5040 - SPACER, FUEL SUPPLY TO STRAINER TUBE CLIP													
	5160629	SPACER (4.2270)					4								
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP													
	5130048 *	TUBE (JUNCTION) (22" DEV. L.)							1			1			
	5130049 *	TUBE (RESTRICTED TEE TO JUNCTION) (13.38" DEV. L.)							1			1			
	5108686 *	TUBE (45.60" DEV. L.)												1	
	5128612	TUBE (DEV. L. 26.70")					2								
	5131251	HOSE, FLEX. (34"L.) (2.5110)		1											
	5131203 *	TUBE (DEV. L. 55.20") (REAR ENGINE)					1								
	5124768 @	HOSE, FLEX. (61"L.) (5129157)			1										
	5115873	HOSE, FLEX. (20"L.) (12.4090)				1									
	5131375	HOSE, FLEX. (28"L.) (2.5210)											1		
	5124391	HOSE, FLEX. (24"L.) (2.5010)												1	
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)		2											
	444042	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)				1									
	444062	ELBOW, 3/8"-90 DEG. STREET (12.9590)												1	
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)					2						1		
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)					2						1		
	188947	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)			1	1								1	
	9402839	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9391)			1									1	
	118804	UNION, 1/2" INV. FL. TUBE (12.9475)													
	5125883	CONNECTOR (2.5150)			1	1									
	5120020	FITTING (SWIVEL) (12.4085)			2										

* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.

@ NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES CUT TO DESIRED

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	542	547	551	555	558	559	560	562	563	564	567	572
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP (CONT'D)													
		LENGTH.													
		2.5060 - TUBE, FUEL PUMP INLET													
	5125590 *	TUBE (18.58" DEV. L.)	1												1
	188947	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)	1												1
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE													
	5153473	CLIP (4.6040)	1												1
	3224553	CLIP (4.8040)			1										
	5177623	CLIP, 3/8" (2.5120)									2				
	3290076	CLIP, 5/8" (4.8040)	2												
	5151189	CLIP, 3/4" (4.8040)			3										
	5112241	CLAMP	4						4			4			
	110502	BOLT, #10-24X3/4" (12.9001)	2						2			2			
	179835	BOLT, 3/8"-16X5/8" (12.9001)			1										
	120217	LOCKWASHER, #10 (12.9200)	2						2			2			
	103321	LOCKWASHER, 3/8" (12.9200)			AR										
	110633	NUT, #10-24 HEX. (12.9120)	2						2			2			
		2.5100 - TUBE, PUMP TO FILTER													
	5128336 *	TUBE (16.46" DEV. L.) (JUNCTION)							1			1			
	5140018 *	TUBE (17.46" DEV. L.)									1				1
10A	5109179 *	TUBE (18.38" DEV. L.)	1												
10A	5109518 *	TUBE (20.00" DEV. L.)			1										
	5125019	TUBE (DEV. L. 20.24")					2								
10A	5108689	TUBE (47.26" DEV. L.) (TO TEE) (2.5101)												1	
10A	3248643	HOSE, FLEX. (18" L.) (4.7100)												1	
10A	5109971 *	HOSE, FLEX. (18 7/16" L.)				1									
10A	5189177	HOSE, FLEX. (21 5/16" L.)		1											
10A	5162736	HOSE, FLEX. (27 1/2" L.) (2.5149)						1							
	444000	ADAPTOR, 1/4" PIPE (12.9460)		1											
	444136	TEE, 3/8" PIPE (3 WAY) (12.9496)			1									1	
	178661	TEE, 3/8" PIPE (3 WAY) (12.9496)												1	
	444040	ELBOW, 1/4"-90 DEG. STREET (12.9590)									1				1
	190367	ELBOW, 1/4"-90 DEG STREET (12.9590)				1		1							
	118755	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9390)		2		2		2							
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE				1	2							1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5411	5412	5447	5551	5555	5558	5559	5560	5562	5563	5564	5567	5572
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)													
		(12.9480)													
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	2		2				2		2	2		2	2
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1				2				1				1
	5179936	CONNECTOR, 3/8" SEALASTIC (12.9415)													
	5179938	SEAL RING, 3/8" SEALASTIC TUBE (12.9435)									1				1
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)									1				1
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550)													
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE													
	3290459	CLIP, 5/16" (12.4095)												1	
	5177623	CLIP, 3/8"												3	
	140582	CLIP, 1/2" CLOSED (12.9630)												1	
	5108691	PLATE (FUEL TUBE MOUNTING) (2.5030)												1	
	5112241	CLAMP (2.5070)					4				2				2
	110502	SCREW, #10-24X3/4" (12.9025)					2				2				2
	181333	BOLT, 5/16"-24X5/8" (12.9001)												3	
	180121	BOLT, 3/8"-16X7/8" (12.9001)												2	
	120217	LOCKWASHER, #10 (12.9200)					2				2				2
	103321	LOCKWASHER, 3/8" (12.9200)												2	
	100633	NUT, #10-24 HEX. (12.9120)					2				2				2
	114493	NUT, 5/16"-24 HEX. (12.9120)												3	
		2.5149 - TUBE, FILTER TO CYLINDER HEAD													
10A	**5122331**	* TUBE (12.72" DEV. L.) (RIGHT BANK)	1								1				1
	5128335	* TUBE (12.62" DEV. L.) (RIGHT BANK)							1			1			
	5125020	TUBE (DEV. L. 26.50") (RB ENGINE)					2								
	5128334	* TUBE (25.36" DEV. L.) (LEFT BANK)							1			1			
10A	**5125517**	* TUBE (25.74" DEV. L.) (RIGHT BANK)			1										
10A	**5125692**	* TUBE (30.50" DEV. L.) (LEFT BANK)	1								1				1
10A	**5125516**	* TUBE (38.50" DEV. L.) (LEFT BANK)			1										
10A	**5108685**	TUBE (40.64" DEV. L.) (RIGHT BANK)												1	
	5125018	TUBE (DEV. L. 39.68") (LB ENGINE)					2								
10A	**5108688**	TUBE (52.10" DEV. L.) (LEFT BANK) (2.5101)												1	
10A	**5189175**	* HOSE, FLEX. (5/16"I.D.X25 5/16"L.) (6V., LEFT BANK) (16V., RIGHT BANK)		1											
10A	**3248643**	HOSE, FLEX. (18"L.) R. BANK												1	
10A	**5109971**	* HOSE, FLEX. (18 7/16"L.) R. BANK				1									
10A	**5125900**	HOSE, FLEX. (23 3/4"L.) R. BANK (2.5150)						1							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5411	5422	5477	5551	5555	5558	5559	5560	5562	5563	5564	5567	5572
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)													
10A	**5174867**	HOSE, FLEX. (24"L.) L. BANK (4.7100)												1	
10A	**5109972** *	HOSE, FLEX. (24 1/2"L.) L.BANK				1									
	5130695	HOSE, FLEX. (29 1/4"L.) (2.5205)											1		
10A	**5162839**	HOSE, FLEX. (30 1/2"L.) L. BANK						1							
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)			1										
	5129184	TEE, 1/4"											1		
	178690	TEE, 3/8" INV. FL. TUBE (12.9490)		1											
	942348	TEE, 3/8"X3/8"X1/4" (12.9490)			1										
	444136	TEE, 3/8"X3/8" (12.9616)					2								
	2194793	ADAPTOR (TEE TO HOSE)		1											
	2011306	ELBOW, 1/4"X45 DEG. STREET (12.9590)				1		1							
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)					2								
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)		2		2		2							2
10A	**193004**	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	2		2						2		2	2	2
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)		2		2		2							
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)					4							3	
10A	**442323**	*CONNECTOR, 3/8" INV. FL. TUBE (12.9460)*	2				2	2	2		2	2		2	2
	442338	UNION, 3/8" INV. FL. TUBE (12.9475)												2	
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN (2.8550)													
		2.5180 - CLIP, FILTER TO CYL. HEAD TUBE													
	5182629	CLIP, 5/16" (12.4080)		1											
	140573	CLIP, 5/8" (12.9630)											2		
	5108443	BRACKET, CLIP (2.5220)		1											
	5108692	BRACKET, CLIP												1	
	5112241	CLAMP (2.5070)					16				2		2		
	110502	SCREW, #10-24X3/4" (12.9025)					8				2		2		
	181333	BOLT, 5/16"-24X5/8" (12.9001)		1											
	180121	BOLT, 3/8"-16X7/8" (12.9001)											1		
	120217	LOCKWASHER, #10 (12.9200)					13				2		2		
	103320	LOCKWASHER, 5/16" (12.9200)		1											
	103321	LOCKWASHER, 3/8" (12.9200)											1		
	110633	NUT, #10-24 HEX. (12.9120)					13				2		2		
	114493	NUT, 5/16"-24 HEX. (12.9120)		1											
		2.5205 - TUBE, FUEL DRAIN CROSSOVER													
	5125580 *	TUBE (19.77" DEV. L.)	1		1	1	2	1		1	1			1	1
	5124743 *	TUBE (19.56" DEV. L.) (SUPPLY)		1											
	5129248 *	TUBE (19.40" DEV. L.) (RETURN)		1											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	542	547	551	555	558	559	560	562	563	564	567	572
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)													
	5129437 *	TUBE (18.77" DEV. L.)							1			1			
	5130696	HOSE, FLEX. (5/16"X23"L.)											1		
	140573	CLIP, 5/8"											2		
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	1	1	1	1	2	1	1	1	1	1		1	1
	5112892	ELBOW, 5/16" INV. FL. TUBE (.106" RESTR.)											1		
	193004	ELBOW, 3/8" INV. FL. TUBE, 1/4" PIPE											2		
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1	1	1	2	1	1	1	1	1	1	1	1
	5129843	TEE, 5/16" RESTRICTED (.080") (12.9496)	1	1	1	1	2	1	1	1	1	1		1	1
	5145014	PLUG, 3/8" HEX. SKT. (12.9550)			1		2			1	1		1		
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.9550.													
		2.5210 - TUBE, FUEL DRAIN													
	5129772 *	TUBE (DEV. L. 17.50") (LC ENGINE)					1								
	5103904 *	TUBE (FUEL RETURN) (26.20" DEV. L.)	1			1					1				1
	5109397 *	TUBE (29.50" DEV. L.) (FUEL RETURN)		1											
	5129670 *	TUBE (DEV. L. 40.24") (FRONT ENGINE)					1								
	5162746 *	TUBE (49.08" DEV. L.) (FUEL RETURN)			1										
	5129773 *	TUBE (DEV. L. 48") (REAR ENGINE)					1								
	5129245 *	TUBE (25.58" DEV. L.) (FUEL RETURN)				1									
	5108690	TUBE (54.70" DEV. L.) (FUEL RETURN)												1	
	442337	UNION, 5/16" INV. FL. TUBE (12.9475)					2								
	143337	ELBOW, 5/16"-45 DEG. INV. FL. (12.9480)					2								
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	1												
	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)									1			1	
	5169475	CONNECTOR					2								
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)									1				1
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE													
	5118782	HOSE, FLEX. (1/4" I.D.X14" L.)	1			1									1
	5162839	HOSE, FLEX.(1/4"I.D.X30 1/2"L.) (2.5149)												1	
	3248643	HOSE, FLEX. (18"L.) (4.7100)					2							2	
	444000	ADAPTOR (12.9460)					2								
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)												1	

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2.5000A FUEL LINES

PART NUMBER	NAME AND DESCRIPTION	TYPES 541	542	547	551	555	558	559	560	562	563	564	567	572
	2.5215 - TUBE, FUEL DRAIN FLEXIBLE (CONT'D)													
143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)					4								
9432267	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)												2	
142269	BUSHING, 1/2"X3/8" RED. (12.9570)												1	
	2.5220 - CLIP, FUEL DRAIN TUBE													
3290459	CLIP, 5/16"	AR	AR	AR	AR	AR	AR		AR	AR			AR	AR
5159490	CLIP, 5/16" (7.4076)			2										
5163529	CLIP, 5/16" (12.3060)							1			1			
5182629	CLIP, 5/16" (12.4080)					3								
5166565	BRACKET (9.1591)	1		1	1		1		1	1				1
5112241	CLAMP (2.5070)		2	2		6								2
5114551	TAG (7.4545)				1									
131979	BOLT, #8-32X3/4" (12.9001)					3								
110502	BOLT, #10-24X3/4" (12.9001)			1										
132908	BOLT, #10-32X1/2" (12.9001)		1											
179835	BOLT, 3/8"-16X5/8" (12.9001)			2										
181360	BOLT, 3/8"-24X3/4" (12.9001)	1		1	1		1		1	1			1	1
181361	BOLT, 3/8"-24X7/8" (12.9001)							1			1			
181374	BOLT, 3/8"-24X1 1/2" (12.9001)	1		1	1		1		1	1			1	1
103341	WASHER, 3/8" FLAT (12.9190)												2	
106263	WASHER, 7/16" FLAT (12.9190)	1		1	1		1		1	1			1	1
120217	LOCKWASHER, #10 (12.9200)		AR	AR										
103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR		AR	AR	AR	AR	AR		AR	AR
106496	LOCKWASHER, #8(12.9200)					3								
110633	NUT, #10-24 HEX. (12.9120)			2										
103092	NUT, #8 (12.9120)					3								
120614	NUT, #10-32 HEX. (12.9120)		1											
117049	NUT, 3/8"-24 HEX. (12.9120)	1		1	1		1	1	1	1	1		1	1
	2.5250 - BLOCK, FUEL SYSTEM JUNCTION													
5130050	BLOCK							1			1			
5109211	BLOCK					1								
5121182	PLUG, 1/4" PIPE (12.9550)							4			4			
5145014	PLUG, 3/8" PIPE (12.9550)							1			1			
9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)							1			1			
10 ,608	BOLT, 3/8"-16X2 1/8" (12.9001)							2			2			
1(0030	BOLT, 3/8"-24X2" (12.9001)					2								
103321	LOCKWASHER, 3/8" (12.9200)					2		2			2			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5411	5422	5477	5511	5555	5588	5599	5600	5622	5633	5644	5667	5722
		2.5252 - BRACKET, FUEL SYSTEM JUNCTION BLOCK													
	5126976	BRACKET					1		1			1			
	2090390	CONNECTOR, 1/4" PIPE (IN BRACKET)							3			3			
	179839	BOLT, 3/8"-16X1" (12.9001)							2			2			
	186612	BOLT, 3/8"-16X1" (12.9001)					2								
	103321	LOCKWASHER, 3/8" (12.9200)					2		2			2			
	131047	LOCKWASHER, 7/8" (12.9200)							3			3			
	219759	NUT, 7/8"-16 HEX. (12.9440)							3			3			
		2.5260 - VALVE, FUEL SYSTEM SHUT-OFF													
	5109335	VALVE, 3/8" GLOBE													2
	120278	NIPPLE, 3/8"X2" (12.9460)													2
	9402826	ELBOW, 45 DEG. (12.9391)													2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 577	584	589	590	591	594	595	603	605	606	608	609
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
	5125782	HOSE, FLEX. (1/2"I.D.X14")	1											
	5128916 *	HOSE, FLEX. (13/32"X29"L.)						1						
	144128 *	ELBOW, 3/8"-90 DEG. PIPE (12.9600)						1						
	2325715 *	ELBOW, 1/2"-90 DEG. (3.5505)						1						
	121207 *	NIPPLE, 3/8"X1" PIPE (12.9560)						1						
	5181080 *	CONNECTOR, 3/8" (4.7100)						1						
	5169475 *	CONNECTOR (AT BASE) (2.5210)						1						
	103327 *	LOCKWASHER, 7/8" (12.9200)						1						
	122432 *	NUT, 7/8"-24 (12.9120)						1						
		* USE ONLY WHEN BASE IS FURNISHED.												
		2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE												
	5171509 *	CLIP, 5/8" (9.1591)						1						
		* USE ONLY WHEN BASE IS FURNISHED.												
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP												
	5128612 @	TUBE (26.70" DEV. L.)						1						
	5162817 @	TUBE (18.34" DEV. L.)											1	
	5130687	HOSE, FLEX. (22 3/4"L.)			1									
	5185394	HOSE, FLEX. (13/32"I.D.X27"L.) (8.3830)										1		
	5131803	HOSE, FLEX. (52.5" L.)												1
	119113	ELBOW, 1/4"-45 DEG. STREET (12.9590)												1
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)			1									
	444062	ELBOW, 3/8"-90 DEG. STREET (12.9590)										1		
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			1			1					1	1
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)						1						
	188947	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)											1	
		2.5060 - TUBE, FUEL PUMP INLET												
	5130829	TUBE (14.18" DEV. L.) (2.5100)								1				
	5125590 @	TUBE (18.58" DEV. L.)	1								1			
	5100278 @	TUBE (39.00" DEV. L.)					1							
	5117746 @	HOSE, FLEX. (13 3/4"L.)					1							
	5125782	HOSE, FLEX. (14"L.) (2.5010)									1			
	188947	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)	1							1	1			
	442343	ELBOW, 5/8"-90 DEG. INV. FL. TUBE					1							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 577	584	589	590	591	594	595	603	605	606	608	609
		2.5060 - TUBE, FUEL PUMP INLET (CONT'D)												
		(12.9480)												
	442341	UNION, 5/8" INV. FL. TUBE (12.9475)					1							
	5100325	ADAPTOR, (2.5050)					1							
		* FIG. 13D OF 1.0000.												
		@ OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
	5153473	CLIP (4.6040)	1								1			6
	3290076	CLIP, 5/8" (4.8040)								1				
	5100364	CLIP, 5/8"					1							
	3291251	CLIP, 5/8" 1/2" BOLT (1.1060)										2		
	5151189	CLIP, 3/4" (4.8040)										1		
	5188969	BRACKET, CLIP (4.1540)												1
	5159347	SPACER, 3/4"X1/2" (7.1581)												1
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)					1							1
	181595	BOLT, 5/16"-24X3/4" (12.9001)												1
	100030	BOLT, 3/8"-24X2" (12.9001)												1
	103320	LOCKWASHER, 5/16" (12.9200)					1							1
	103321	LOCKWASHER, 3/8" (12.9200)												1
	114493	NUT, 5/16"-24 HEX. (12.9120)												1
		2.5100 - TUBE, PUMP TO FILTER												
	5128336	* TUBE (16.46" DEV. L.) (JUNCTION)		1		1								
	5140018	* TUBE (17.46" DEV. L.)	1						1	1			1	
10A	**5109179**	* TUBE (18.38" DEV. L.)									1			
	5125019	* TUBE (20.24" DEV. L.)						1						
	5130850	* TUBE (41.10" DEV. L.)					1							
10A	**5115873**	HOSE, FLEX. (20" L.) (12.4090)										1		
10A	**5130687**	HOSE, FLEX. (22 3/4" L.) (2.5050)			1									
	5131803	HOSE, FLEX. (52.50" L.) (2.5050)												1
	444000	ADAPTOR, 1/4" PIPE (12.9460)								1		1		
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)									1			
	444136	TEE, 3/8" PIPE (3 WAY) (12.9496)						1						
	444150	TEE, 3/8" PIPE (12.9496)					1							
	444258	TEE, 3/8" PIPE (12.9490)					1							
	444040	ELBOW, 1/4"-90 DEG. STREET (12.9590)	1						1	1			1	
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)			1									
	105423	ELBOW, 1/4"-90 DEG. STREET (12.9590)												1
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)					2							
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)						1						
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	2		2				2	2	2		2	2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 577	584	589	590	591	594	595	603	605	606	608	609
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)												
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)										1		
	5127105	ELBOW (1/2"-45 DEG. SEALASTIC) (12.9425)					1							
	5176522	ELBOW (1/2"-90 DEG. SEALASTIC) (12.9425)					1							
	188947	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)											1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)						1			1			
	118750	CONNECTOR, 3/8" PIPE (12.9380)					1							
	5179936	CONNECTOR, 3/8" SEALASTIC (12.9415)	1						1	1			1	
	5179938	SEAL RING, 3/8" SEALASTIC TUBE (12.9435)	1						1	1			1	
	5176524	SEAL RING, 1/2" SEALASTIC TUBE (12.9435)					2							
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)	1						1	1			1	
	5176523	NUT, 1/2" SEALASTIC (12.9445)					2							
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	3290459	CLIP, 5/16" (12.4095)								1	1			
	5168001	CLIP, 1/2" (12.4095)					2							
	5112241	CLAMP (2.5070)	2					2		2				
	110502	SCREW, #10-24X3/4" (12.9025)	2					2		2				
	180120	BOLT, 3/8"-16X3/4" (12.9001)					2			1	1			
	120217	LOCKWASHER, #10 (12.9200)	2				2			2				
	103321	LOCKWASHER, 3/8" (12.9200)					2			1	1			
	100633	NUT, #10-24 HEX. (12.9120)	2					2		2				
	102635	NUT, 3/8"-16 HEX. (12.9120)								1	1			
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
10A	5122331 *	TUBE (12.72" DEV. L.) (RIGHT BANK)	1						1	1	1		1	
10A	5124743 *	TUBE (19.56" DEV. L.) (L. BANK TO R. BANK)												1
10A	5125020 *	TUBE (26.50" DEV. L.) (RIGHT BANK)						1						
10A	5125692 *	TUBE (30.50" DEV. L.) (LEFT BANK)	1						1	1			1	
10A	5125018 *	TUBE (39.68" DEV. L.) (LEFT BANK)						1						
10A	5189175 *	HOSE, FLEX. (5/16"I.D.X25 5/16"L.) (6V., LEFT BANK) (16V., RIGHT BANK)					1							
10A	5131255 *	HOSE, FLEX. (13 3/4"L.) L. BANK			1									
10A	5109447	HOSE, FLEX. (23 3/4"L.) R. BANK										1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 577	584	589	590	591	594	595	603	605	606	608	609
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)												
		(2.5150)												
10A	**5131256** *	HOSE, FLEX. (27"L.) R. BANK			1						1			
10A	**5131256** *	HOSE, FLEX. (27"L.) L. BANK										1		
10A	**5109448**	HOSE, FLEX. (37 1/4"L.) L. BANK												1
10A	**5131802** *	HOSE, FLEX. 38.5"L.) L. BANK					1							
10A	**5110183** *	HOSE, FLEX. (58"L.) L. BANK			1									1
	5129184	TEE, 1/4"				1	1							
	178690	TEE, 3/8" INV. FL. TUBE (12.9490)			2	2	1							1
	2011306	ELBOW, 1/4"X45 DEG. STREET (12.9590)												
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)												1
	105423	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)						3						
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)						1				2		
10A	**193004**	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	2		2				2	2	2		2	
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)				2								
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)						3						
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)						1						
	5125884	ELBOW, 3/8"-90 DEG. (2.5150)					2					2		
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)										2		
10A	**442323**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2					2	2	2	2		2	2
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)				3						2		
	5117567	CONNECTOR, 3/8" FL. TUBE (3.5720)					1							
	5125883	CONNECTOR, 1/2" (2.5150)										2		
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5180 - CLIP, FILTER TO CYL. HEAD TUBE												
	3290076	CLIP (4.8040)					1				1			1
	5153473	CLIP (4.6040)									1			1
	5160307	BRACKET, CLIP (7.8330)						3						
	5188969	BRACKET, CLIP (4.1540)						3						
	5112241	CLAMP (2.5070)									1			1
	110502	SCREW, #10-24X3/4" (12.9025)						3						
	181333	BOLT, 5/16"-24X5/8" (12.9001)									1			1
	120217	LOCKWASHER, #10 (12.9200)						3						
	103320	LOCKWASHER, 5/16" (12.9200)									1			1
	110633	NUT, #10-24 HEX. (12.9120)						3						
	114493	NUT, 5/16"-24 HEX. (12.9120)									1			1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	577	584	589	590	591	594	595	603	605	606	608	609
			TYPES											
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
	5125580	* TUBE (19.77" DEV. L.)	1			1		1	1	1	1		1	
	5129248	* TUBE (19.40" DEV. L.) (RETURN)												1
	5127741	* TUBE (13 7/8" DEV. L.)		1								1		
	5131253	* HOSE, FLEX. (14" L.)			1									
	3290459	CLIP, 5/16" (2.5220)				1								
	5166565	BRACKET, CLIP (9.1591)				1								
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	1		1	1		1	1	1	1		1	
	142664	ELBOW, 5/16"-90 DEG. FL. TUBE (12.9390)		1								1		
	2294381	ADAPTOR (IN RESTRICTED TEE)		1								1		
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1	1	1		1	1	1	1	1		1
	5129843	TEE, 5/16" RESTRICTED (.080") (12.9496)	1	1	1	1		1	1	1	1			1
	5124232	TEE, 5/16" RESTRICTED (.01065") (2.4015)										1		
	5145014	PLUG, 3/8" HEX. SKT. (12.9550)		1				1				1		1
	181360	BOLT, 3/8"-24X3/4" (12.9001)				1								
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)				1								
	103341	WASHER, 3/8" FLAT (12.9190)				1								
	117049	NUT, 3/8"-24 HEX. (12.9120)				1								
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.9550.												
		2.5210 - TUBE, FUEL DRAIN												
	5103904	TUBE (FUEL RETURN) (26.20" DEV. L.)	1			1		1			1		1	
	5100247	* TUBE (21.40" DEV. L.)					1							
	5100248	* TUBE (30.30" DEV. L.)					1							
	5131689	TUBE (29.74" DEV. L.) (FUEL RETURN)												1
	5116440	ELBOW (5/16")					2							
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)			1	1	2				1			
	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)						1						
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)	1					1						
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE												
	5118782	HOSE, FLEX. (1/4"I.D.X14"L.)	1								1		1	
	5131254	HOSE, FLEX. (82" L.)			1									
	5188017	HOSE, FLEX. (12" L.) (8.3830)					1							
	5128915	@ HOSE, FLEX. (25 1/2" L.) (TO BASE)						1						
	5186063	HOSE, FLEX. (1/4" I.D.X14" L.)							1	1		1		
	5124392	* HOSE, FLEX. (5/16"I.D.X15"L.)								1				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 577	584	589	590	591	594	595	603	605	606	608	609
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE (CONT'D)												
	5128892	TEE (12.9616)										1		
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)							1					
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)					1							
	5169475 @	CONNECTOR (2.5210)						1						
	5145009	PLUG, 1/8" PIPE (12.9550)			1							1		
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)			1									
	103327 @	LOCKWASHER, 7/8" (12.9200)						1						
	122432 @	NUT, 7/8"-14 HEX. (12.9120)						1						
		@ USE ONLY WHEN BASE IS FURNISHED.												
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5220 - CLIP, FUEL DRAIN TUBE												
	3290459	CLIP, 5/16"	AR			AR		AR	AR				AR	AR
	5168001	CLIP, 1/2" (12.4095)			1									
	5161872	CLIP, 3/8"					2							
	140582	CLIP, 1/2" CLOSED (12.9630)								2				2
	5182251	CLIP, 5/16" (7.4075)												
	5166565	BRACKET (9.1591)	1						1	1	1			
	5112241	CLAMP (2.5070)	2					2					6	2
	5114551	TAG (7.4545)			2									
	110502	BOLT, #10-24X3/4" (12.9001)						1	2				3	1
	454894	BOLT, 1/4"-20X3/4" (12.9001)					1							
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1						1					
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)							1					
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	1						1	1	1			
	120392	WASHER, 1/4" FLAT (12.9190)			1									
	106263	WASHER, 7/16" FLAT (12.9190)	1					1	1	1	1			
	120217	LOCKWASHER, #10 (12.9200)						AR	AR				AR	AR
	120380	LOCKWASHER, 1/4" (12.9200)					1							
	103321	LOCKWASHER, 3/8" (12.9200)	AR						AR	AR	AR			
	110633	NUT, #10-24 HEX. (12.9120)							2					1
	120375	NUT, 1/4"-20 HEX. (12.9120)					1							
	117049	NUT, 3/8"-24 HEX. (12.9120)	1						1	1	1			
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION												
	5100246	BLOCK					1							
	444692	PLUG, 1/4" PIPE (12.9550)					1							
	215386	BOLT, 5/16"-18X6" (12.9001)					1							

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2.5000A FUEL LINES

PART NUMBER	NAME AND DESCRIPTION	TYPES 610	617	619	623	625	627	629	632	633	634	635	636	638
2.5006 - VALVE, FUEL SUPPLY CHECK														
5109734	VALVE				2									
118757	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9360)				1									
121208	NIPPLE, 1/2"X1 1/8" (12.9560)				2									
2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE														
5124391 *	HOSE, FLEX. (13/32"I.D.X22 29/32"L.)											1	1	
5126691	HOSE, FLEX. (13/32"I.D.X19"L.)				2									
5124392	HOSE, FLEX. (5/16"I.D.X15"L.)													1
190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)													1
444042 @	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)											1		
144128 @	ELBOW, 3/8" PIPE 90 DEG. (12.9600)												1	
118755 @	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)													1
2325715 @	ELBOW (1/2"-90 DEG.)											1	1	
5169475 @	CONNECTOR (AT BASE)													1
5108397	CONNECTOR, 1/2" FUEL PIPE (2.5215)				2									
442325	CONNECTOR, 5/8" TUBE (12.9460)				2									
5181080 @	CONNECTOR (3/8") (4.7100)											1	1	
9402801	ELBOW, 5/8" PIPE 45 DEG. (12.9600)				2									
121207 @	NIPPLE, 3/8"X1" PIPE (12.9560)												1	
103327 @	LOCKWASHER, 7/8" (12.9200)											1	1	1
427654	NUT, 1 1/8"-12 HEX. SLOTTED(12.9120)				2									
122432 @	NUT, 7/8"-14 HEX. (12.9120)											1	1	1
	* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
	@ USE ONLY WHEN BASE IS FURNISHED.													
2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE														
5171509 *	CLIP (5/8") (9.1591)											1	1	
3290459 *	CLIP (5/16")													3
113699	BOLT, 3/8"-24X1/2" (12.9001)													1
117049	NUT, 3/8"-24 HEX. (12.9120)													1
	* USE ONLY WHEN BASE IS FURNISHED.													
2.5030 - BRACKET, FUEL SUPPLY TO STRAINER TUBE CLIP														
5132182 #	BRACKET				2									
186619	BOLT, 3/8"-16X1 1/8" (12.9001)				2									
9430221	BOLT, 3/8"-24X4 3/4" (12.9001)				2									

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 610	617	619	623	625	627	629	632	633	634	635	636	638
		2.5030 - BRACKET, FUEL SUPPLY TO STRAINER TUBE CLIP(CONT'D)													
	103321	LOCKWASHER, 3/8" (12.9200)				AR									
		# OBSOLETE													
		2.5040 - SPACER, FUEL SUPPLY TO STRAINER TUBE CLIP													
	5160629	SPACER (4.2270)				4									
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP													
	5132021	* TUBE (26.27" DEV. L.)												1	
	5132343	* TUBE (27.80" DEV. L.)											1		
	5131181	* TUBE (DEV. L. 50.60") (FRONT ENGINE)				2									
	5131203	* TUBE (DEV. L. 55.20") (REAR ENGINE)				1									
	5109271	HOSE, FLEX. (13 3/4"L.) (TO PRIMER PUMP)		1							1				
	5135292	HOSE, FLEX. (50"L.)													
	5124768	HOSE, FLEX. (61"L.)		1											
	5100325	ADAPTOR (FUEL PUMP)				2									
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)		1											
	444056	ELBOW, 3/8" PIPE 45 DEG. STREET (12.9590)									1				
	9434182	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)									1				
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)		1									2	2	
	442343	ELBOW, 5/8"-90 DEG. INV. FL. TUBE (12.9480)				1									
	5125883	CONNECTOR (2.5150)		1											
	5120020	CONNECTION (FITTING) (12.4085)		2											
	118752	CONNECTOR, 1/4" FL. TUBE (12.9380)		1											
	442325	CONNECTOR, 5/8" INV. FL. TUBE (12.9460)				1									
	5132237	FITTING, 5/8" INV. FL. TUBE 90 DEG. (2.6005)									1				
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)		1											
	444136	TEE, 3/8" PIPE (3 WAY) (12.9496)		1											
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		2.5060 - TUBE, FUEL PUMP INLET													
	5125590	* TUBE (18.58" DEV. L.)													1
	5100278	* TUBE (39" DEV. L.)							1						
	5117746	* HOSE, FLEX. (1/2"I.D.X13 3/4"L.)							1						

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 610	617	619	623	625	627	629	632	633	634	635	636	638
		2.5060 - TUBE, FUEL PUMP INLET (CONT'D)													
	5132040	* HOSE, FLEX. (34"L.)						1		1					
	5100325	ADAPTOR							1			1			
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)						1		1					
	188947	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)													1
	442343	ELBOW, 5/8"-90 DEG. INV. FL. TUBE (12.9480)							1			1			
	187396	COUPLING, 3/8"X1 3/16" PIPE (12.9580)						1		1					
	442341	UNION, 5/8" INV. FL. TUBE (12.9475)							1						
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE													
	5151189	CLIP, 3/4" (4.8040)		3							1				
	3224553	CLIP, 3/4" (4.8040)		1											
	5100364	CLIP, 5/8"							1						
	3291251	CLIP, 5/8"				2									
	5170001	CLIP, 7/8"									1				
	5112241	CLIP											4	4	
	5151883	CLIP, 3/8"											1		
	5151108	CLIP, 1/2"													1
	110500	SCREW, #10-24X1/2" (12.9025)												2	
	110502	SCREW, #10-24X3/4" (12.9025)											2		
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)							1						
	179835	BOLT, 3/8"-16X5/8" (12.9001)		1									2	2	
	120217	LOCKWASHER, #10 (12.9200)													
	103320	LOCKWASHER, 5/16" (12.9200)							AR						
	103321	LOCKWASHER, 3/8" (12.9001)		1									2	2	
	110633	NUT, #10-24 HEX. (12.9120)													
		2.5100 - TUBE, PUMP TO FILTER													
10A	**5134463**	TUBE (20.38" DEV. L.)		1											
	5130779	TUBE (41.50" L.) (FILTER TO PRIMER PUMP)		1											
10A	**5100242**	* TUBE (42.60" DEV. L.)				2						1			
10A	**5132913**	TUBE (20" DEV. L.)											1	1	
10A	**5125611**	TUBE (19.40" DEV. L.)													1
10A	**5131517**	HOSE, FLEX. (18 9/16" L.)	1		1			1		1					
10A	**5132091**	HOSE, FLEX. (54 1/4" L.)							1						
10A	**5123317**	HOSE, FLEX. (44" L.)									1				
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)		1											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 610	617	619	623	625	627	629	632	633	634	635	636	638
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)													
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		2				2		2					
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	2		1										
	188947	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)	1		1										
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)							1		1				
	9402839	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9391)				2						1			
	5138299 @	ELBOW ASSY., 1/2" SEALASTIC (12.9425)													2
	188947	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)				2								1	
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)				2			1		1				
	9432267	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				2									
	118750	CONNECTOR, 3/8" FL. TUBE (12.9460)													
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)													
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)													
	5176521	CONNECTOR, 1/2" TUBE SEALASTIC (12.9415)				2						1			
	116332	BUSHING, 3/8"X1/4 RED. (12.9570)				4									
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)				4						2			
	5128892	TEE, 3/8" (12.9616)		1											
	444150	TEE, 3/8"-18 PIPE (12.9616)				2									
		* NOT SERVICED CUSTOMER TO FABRICATE.													
		@ INCLUDES SEAL RING IN 2.5100 PLUS NUT NOT SOLD SEPARATELY.													
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE													
	5177623	CLIP, 3/8" TUBE		1					2		2				
	5151189	CLIP, 3/4" (4.8040)							1						
	3224553	CLIP, 3/4" (4.8040)				4						1			
	5168001	CLIP, 1/2" (4.8040)		1											
	5173022	BRACKET, CLIP (5.5379)											4	4	
	5112241	CLAMP (2.5070)							1						
	5114551	TAG CABLE (7.4545)												2	
	110500	SCREW, #10-24X1/2" (12.9025)											2		
	110502	SCREW, #10-24X3/4" (12.9025)							1			2			
	180120	BOLT, 3/8"-16X3/4" (12.9001)				4									
	179837	BOLT, 3/8"-16X3/4" (12.9001)													

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6100	6117	6119	6123	6125	6127	6129	6132	6133	6134	6135	6136	6138
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE (CONT'D)													
	179839	BOLT, 3/8"-16X1" (12.9001)									1				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							1						
	181374	BOLT, 3/8"-24X3/4" (12.9001)		1											
	181360	BOLT, 3/8"-24X1 1/2" (12.9001)		1											
	103341	WASHER, 3/8" FLAT (12.9190)		1											
	120217	LOCKWASHER, #10 (12.9200)											2	2	
	103321	LOCKWASHER, 3/8" (12.9200)		2		4					2	2			
	110633	NUT, #10-24 HEX. (12.9120)											2	2	
	117049	NUT, 3/8"-24 HEX. (12.9120)		1											
		2.5149 - TUBE, FILTER TO CYLINDER HEAD													
10A	**5125516**	* TUBE (38.50" DEV. L.) (LEFT BANK)		1											
10A	**5125517**	* TUBE (25.74" DEV. L.) (RIGHT BANK)		1											
	5125018	* TUBE (39.68" DEV. L.) (LEFT BANK)											1	1	
	5125020	* TUBE (26.50" DEV. L.) (RIGHT BANK)											1	1	
	5125594	TUBE (30.00" DEV. L.) (LEFT BANK)													1
	5125589	TUBE (14.24" DEV. L.) (RIGHT BANK)													1
10A	**5131830**	HOSE, FLEX. (27 1/2" L.) (LEFT BANK)	1												
10A	**5199575**	HOSE, FLEX. (10" L.) (RIGHT BANK)	1												
10A	**5131575**	HOSE, FLEX. (39 1/4" L.) (L.B.) (7.8300)			1			1		1					
10A	**5133453**	HOSE, FLEX. (27 1/2" L.) (RIGHT BANK)			1			1		1					
10A	**5132090**	* HOSE, FLEX. (47 1/4" L.) (LEFT BANK)							1						
10A	**5131519**	HOSE, FLEX. (35 5/16" L.) (RIGHT BANK)							1						
	5110183	* HOSE, FLEX. (58" L.) (LEFT BANK)				2					1	1			
	5109567	HOSE, FLEX. (27" L.) (RIGHT BANK)									1				
	5189175	HOSE, FLEX. (25 5/16" L.) (RIGHT BANK)				2						1			
	5199579	FITTING, HOSE (5/8"-18 MALE INV. FL.) (12.8552)	1												
	2011306	ELBOW, 1/4"-45 DEG. STREET (12.9590)									1	1			
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)				2			1		1	1			
10A	**143338**	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)	1										1	1	
10A	**193004**	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	3	1	1			1		1					1
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)				2						2			
	5125884	ELBOW (3/8"-90 DEG.)									1				
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)									2		2	2	
10A	**442323**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1			1	1	1			1	1	
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)				2						2			
	5117567	CONNECTOR, 3/8" TUBE (5.5720)									1				
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)		1	1			1	1	1		1			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 610	617	619	623	625	627	629	632	633	634	635	636	638
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)													
	442341	TEE, 3/8"X3/8"X1/4" (12.9490)		1	1			1	1	1					
	178690	TEE, TWO WAY RESTRICTED (12.9490)									1	1	1	1	
	444150	TEE, 3/8" PIPE (12.9616)													
	444136	TEE, 3/8" PIPE (3 WAY) (12.9496)													
		* NOT SERVICED; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550)													
		2.5180 - CLIP, FILTER TO CYL. HEAD TUBE													
	5100364	CLIP, 5/8" (2.5070)									2				
	3290459	CLIP, 5/16" (2.5220)		1		2									
	3290076	CLIP, (4.8040)													
	5151883	CLIP, 3/8" (2.5070)		1					2			2			
	5168001	CLIP, 1/2" (12.4095)		4									8	8	
	5112241	CLAMP (2.5070)		1											
	5178595	BRACKET, CLIP (2.5030)				4			2		2	2		4	
	5114551	TAG CABLE (7.4545)													
	120687	SCREW, #10-24X1/2" (12.9025)		2									4		
	110502	SCREW, #10-24X3/4" (12.9025)		1											
	181333	BOLT, 5/16"-24X5/8" (12.9001)		1					1		1	1			
	181595	BOLT, 5/16"-24X3/4" (12.9001)		2					1						
	179837	BOLT, 3/8"-16X3/4" (12.9001)													
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1											
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)		2									AR	AR	
	120393	WASHER, 5/16" FLAT (12.9190)		AR											
	120217	LOCKWASHER, #10 (12.9200)		2					AR		AR	AR	AR	AR	
	103320	LOCKWASHER, 5/16" (12.9200)													
	103321	LOCKWASHER, 3/8" (12.9200)		AR											
	110633	NUT, #10-24 HEX. (12.9120)		2											
	114493	NUT, 5/16"-24 HEX. (12.9120)													
		2.5205 - TUBE, FUEL DRAIN CROSSOVER													
	5129437	* TUBE (18.77" DEV. L.)		1											1
	5125580	* TUBE (19.77" DEV. L.)	1		1		1	1		1			1	1	
	5131253	HOSE, FLEX. (14" L.)													
	5132273	HOSE, FLEX. (18 1/4" L.)													
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1		1	1		1			1	1	1
	444000	ADAPTOR, 1/4"-18 PIPE (12.9575)					1								
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1	1		1	1		1			1	1	1
	5129843	TEE, 5/16" RESTRICTED (.080") (12.9496)	1		1										1
	5124232	TEE, 5/16" RESTRICTED (.01065") (2.4015)		1			1	1		1			1	1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6100	6117	6119	6123	6125	6127	6129	6132	6133	6134	6135	6136	6138
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)													
	5145014	PLUG, 3/8" PIPE (12.9550)		1	1		1						1	1	1
	5114551	TAG (7.4545)						3							
		* NOT SERVICED; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550													
		2.5210 - TUBE, FUEL DRAIN													
	5100247 *	TUBE (21.40" DEV. L.) (RIGHT BANK)				2			1		1	1			
	5103904	TUBE (26.20" DEV. L.) (FUEL RETURN)											1	1	1
	5132614	TUBE (DEV. L. 30.22") (REAR ENGINE)				1									
	5100248 *	TUBE (30.30" DEV. L.) (LEFT BANK)				2			1		1	1			
	5132615	TUBE (DEV. L. 31.44") (FRONT ENGINE)				1									
	5162746 *	TUBE (49.08" DEV. L.)		1											
	5116440	ELBOW, 5/16" (.070" RESTRICTION)				4			2		2	2			
	444056	ELBOW, 3/8"-45 DEG. STREET (12.9590)				2									
	225828	ELBOW, 1/2"-90 DEG. INV FL. TUBE (12.9480)				2									
	452250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)		1									1	1	1
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)				2									
	9432264	CONNECTOR, 5/16" TUBE (12.9460)				4			2		2	2			
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)											1	1	1
	5181080	CONNECTOR, 1 1/8" (4.7100)				2									
	103327	LOCKWASHER, 7/8" (12.9200)				2									
	122432	NUT, 7/8"-14 HEX. (12.9120)				2									
		* NOT SERVICED; CUSTOMER FABRICATE. FROM BULK MATERIAL IN (12.8550)													
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE													
	5188017	HOSE, FLEX. (12" L.)							1						
	5108553	HOSE, FLEX. (17 3/8" L.)				2									
	5124393 *	HOSE, FLEX. (20 1/2" L.)											1	1	1
	5131831 *	HOSE, FLEX. (42" L.)	1		1			1		1					
	5169475	CONNECTOR											1	1	1
	118752	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1			1						
	187395	COUPLING, 1/4"X1 3/16" PIPE (12.9580)						1		1					
	444000	ADAPTOR, 3/8"X1/4"-18 (12.9460)						1		1					
	144100	NIPPLE, 1/2"X3/8" RED. PIPE (12.9560)				2									
	103327	LOCKWASHER, 7/8" (12.9200)											1	1	1
	122432	NUT, 7/8"-14 HEX. (12.9120)											1	1	1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6110	6117	6119	6123	6125	6127	6129	6132	6133	6134	6135	6136	6138
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE (CONT'D)													
		* NOT SERVICED; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550													
		2.5220 - CLIP, FUEL DRAIN TUBE													
	140582	CLIP, 1/2" CLOSED (3/8" BOLT) (12.9630)	2		2			2		2					
	5159490	CLIP (5/16") (7.4076)		2											
	5161872	CLIP				4			2		2	2			
	140571	CLIP, 1/2" CLOSED (5/16" BOLT) (12.9630)								1			1		
	3290459	CLIP											3	3	3
	5133596 @	BRACKET, CLIP (CROSSOVER TUBE)		1											
	5166565	BRACKET, CLIP								1					1
	5128521	BRACKET, CLIP											1		
	5130984	BRACKET				1									
	5114551	TAG (7.4545)											3	3	3
	181309	BOLT, 1/4"-28X1/2" (12.9001)								1			1		
	454894	BOLT, 1/4"-20X3/4" (12.9001)							1		1	1			
	181360	BOLT, 3/8"-24X3/4" (12.9001)													1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				2									
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)													1
	103341	WASHER, 3/8" FLAT (12.9190)													1
	120380	LOCKWASHER, 1/4" (12.9200)				2			1	1	1	1	1		
	103321	LOCKWASHER, 3/8" (12.9200)				2									1
	120375	NUT, 1/4"-20 HEX. (12.9120)				2			1		1	1			
	121902	NUT, 1/4"-28 HEX. (12.9120)								1			1		
	117049	NUT, 3/8"-24 HEX. (12.9120)													1
		@ NO LONGER AVAILABLE FOR SERVICE.													
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION													
	5100246	BLOCK				1			1		1	1			
	5130999	BLOCK				1									
	5121182	PLUG, 1/4" PIPE (12.9550)				2			1		1	1			
	103880	PLUG, 1/2" PIPE (12.9550)				1									
	103869	PLUG, 3/4" PIPE (12.9550)				1									
	215386	BOLT, 5/16"-18X6" (12.9001)				1			1		1	1			
	454151	BOLT, 5/16"-24X1 1/2" (12.9001)				1									
	100030	BOLT, 3/8"-24X2" (12.9001)				2									
	103320	LOCKWASHER, 5/16" (12.9200)				2			1						
	103321	LOCKWASHER, 3/8" (12.9200)													2
	114493	NUT, 5/16"-24 HEX. (12.9120)													1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6100	6117	6119	6223	6225	6227	6229	6232	6233	6234	6235	6236	6238
		2.5252 - BRACKET, FUEL SYSTEM JUNCTION BLOCK													
	5129768	BRACKET													1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)													2
	103321	LOCKWASHER, 3/8" (12.9200)													2
		2.5260 - VALVE, FUEL SYSTEM SHUT-OFF													
	5108366	VALVE, GATE (4.7103)													2
	140807	NIPPLE, 1/4"X3" (12.9560)													2
	9402801	ELBOW, 5/8"-45 DEG. (IN VALVE) (12.9600)													2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6639	6640	6643	6644	6647	6650	6656	6661	6662	6663	6665	6667
		2.5001 - TUBE, FUEL SUPPLY TO STRAINER												
	5129770	TUBE (26.90" DEV. L.) (FWD. ENGINE, FRONT)		1										
	5129669	TUBE (32" DEV. L.) (FWD. ENGINE)		1										
	5129771	+ TUBE (51.42" DEV. L.) (REAR ENGINE)		1										
	442340	UNION, INV. FL. TUBE (12.9475)		1										
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)		2										
	5138299	* ELBOW, 1/2"-90 DEG. TUBE SEALASTIC (12.9425)		2										
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)		2										
		* INCLUDES SEAL RING IN 2.5001 PLUS NUT NOT SOLD SEPARATELY.												
		+ OBSOLETE												
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5109734	VALVE (SWING)							1					
	5122279	VALVE		2										
	108686	ELBOW, 1/2" PIPE 90 DEG. STREET (12.9590)							1					
	141504	NIPPLE, 1/2"X1/2" PIPE (12.9560)							1					
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
	5126694	HOSE, FLEX. (1/2"I.D.X15"L.)											1	1
	5124391	* HOSE, FLEX. (13/32"I.D.X22 29/32"L.)								1	1	1		
	5126691	HOSE, FLEX. (13/32"I.D.X19" L.)		2										
	5132236	HOSE, FLEX. (25"L.)	1											
	5122247	HOSE, FLEX. (14"L.)				1								
	444042	@ ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)									1			
	144128	@ ELBOW, 3/8" PIPE 90 DEG. (12.9600)								1		1		
	5130294	ELBOW (1/2" TUBE 45 DEG.)		2										
	2325715	@ ELBOW (1/2"-90 DEG.)								1	1	1		
	5127105	ELBOW, 45 DEG. TUBE SEALASTIC (12.9425)		2										
	5181080	@ CONNECTOR (3/8") (4.7100)		2						1	1	1		
	442325	CONNECTOR, 5/8" INV. FL. TUBE (12.9460)	2											
	5108397	CONNECTOR, 1 1/2" (2.5215)								1	1			
	5176524	SEAL RING, 1/2" TUBE SEALASTIC		2										
	121207	@ NIPPLE, 3/8"X1" PIPE (12.9560)								1		1		
	444016	ADAPTOR, 1/2"X3/8" RED. PIPE (12.9575)								1	1			
	5100137	ADAPTOR (1/2" PIPE)												1
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)								1	1			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 639	640	643	644	647	650	656	661	662	663	665	667
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE(CONT'D)												
	103327	@ LOCKWASHER, 7/8" (12.9200)		4								1		
	122432	@ NUT, 7/8"-14 HEX. (12.9120)		4								1		
	5176523	NUT, 1/2" SEALASTIC (12.9445)		2										
	427654	NUT, 1 1/8"-12 SLOTTED HEX. (12.9120)								1	1			
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ USE ONLY WHEN BASE IS FURNISHED.												
		2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE												
	5171509	@ CLIP (5/8") (9.1591)								1	1	1		
		@ USE ONLY WHEN BASE IS FURNISHED.												
		2.5030 - BRACKET, FUEL SUPPLY TO STRAINER TUBE CLIP												
	5188969	BRACKET (4.1540)		1										
	5109182	BRACKET		2										
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2										
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)		2										
	103321	LOCKWASHER, 3/8" (12.9200)		AR										
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP												
	5128333	* TUBE (19.06"L.) (TO JUNCTION)					1							
	5128612	* TUBE (26.70" DEV. L.)								1	1			
	5132343	* TUBE (27.80" DEV. L.)										1		
	5132452	HOSE, FLEX. (28"L.)		4					1					
	5185389	HOSE, FLEX. (57 1/2"L.)						1						
	5188719	HOSE, FLEX. (64 13/16"L.)												
	444042	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)		2					1					
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)								1	1			
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)								1	1			
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)		2								2		
	142365	ELBOW, 1/2"X3/8" RED. PIPE 90 DEG. (12.9600)						1						
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)							1					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6639	6640	6643	6644	6647	6650	6656	6661	6662	6663	6665	6667
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP (CONT'D)												
	9402801	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9480)						1						
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)		2										
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)						1						
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5060 - TUBE, FUEL PUMP INLET												
	5100325	ADAPTOR						1						
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
	5112241	CLIP					4					4		
	5151883	CLIP, 3/8"									1			
	5151189	CLIP, 3/4" (4.8040)						3						
	5160030	CLIP (2.5120)										1		
	5153473	CLIP, 1/2" (4.6040)		3										
	5178899	BRACKET (7.1587)						1						
	5185410	+ BRACKET (7.7380)						2						
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)					2					2		
	100014	BOLT, 5/16"-24X1" (12.9001)						3						
	179835	BOLT, 3/8"-16X5/8" (12.9001)						1						
	120393	WASHER, 5/16" (12.9190)						3						
	120217	LOCKWASHER, #10 (12.9200)					2					2		
	103320	LOCKWASHER, 5/16" (12.9200)						AR						
	103321	LOCKWASHER, 3/8" (12.9001)						1						
	110633	NUT, #10-24 HEX. (12.9120)					2					2		
	114493	NUT, 5/16"-24 HEX. (12.9120)						3						
		+ OBSOLETE.												
		2.5100 - TUBE, PUMP TO FILTER												
10A	5132913	TUBE (20" DEV. L.)										1		
10A	5128336	* TUBE (16.40" L.) (TO JUNCTION)					1							
10A	5125019	TUBE (20.24" DEV. L.)								1	1			
	5131517	HOSE, FLEX. (18 9/16"L.)		2										
10A	5186537	HOSE, FLEX. (85" L.)						1						
10A	5123319	HOSE, FLEX. (53 1/2" L.)							1					
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)					1							
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		2						1	1	1		
	444056	ELBOW, 3/8" PIPE 45 DEG. STREET						1	1					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6391	6400	6403	6404	6407	6500	6556	6561	6562	6563	6565	6567
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)												
		(12.9590)												
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)						2	2					
	9432267	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460) * NOT SERVICED; CUSTOMER TO FABRICATE.		2						1	1			
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	5151189	CLIP, 3/4" (4.8040)						5						
	3290076	CLIP (4.8040)							3					
	5112241	CLAMP								4	4	4		
	110500	SCREW, #10-24X1/2" (12.9025)								2				
	110502	SCREW, #10-24X3/4" (12.9025)									2	2		
	180120	BOLT, 3/8"-16X3/4" (12.9001)							1					
	120217	LOCKWASHER, #10 (12.9200)								2	2	2		
	103321	LOCKWASHER, 3/8" (12.9200)							2					
	110633	NUT, #10-24 HEX. (12.9120)								2	2	2		
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
	5125018	TUBE (39.68" DEV. L.) (LEFT BANK)								1	1	1		
	5125020	TUBE (26.50" DEV. L.) (RIGHT BANK)								1	1	1		
	5128334 *	TUBE (25.36" DEV. L.) (LEFT BANK) (JUNCTION)					1							
	5128335 *	TUBE (12.62" DEV. L.) (RIGHT BANK) (JUNCTION)					1							
	5133453	HOSE, FLEX. (27 1/2"L.) (RB ENGINE)		2										
	5189174	HOSE, FLEX. (78 5/16" L.) (LEFT BANK)						1						
	5131575	HOSE, FLEX. (39 1/4"L.) (LB ENGINE)		2										
	5189176	HOSE, FLEX. (64 5/16" L.) (RIGHT BANK)						1						
	5145540	HOSE, FLEX. (36" L.) (LEFT BANK)							1					
10A	**5185392** *	HOSE, FLEX. (46" L.) (RIGHT BANK)							1					
	5162785	ELBOW, 1/4"-45 DEG. STREET (12.9590)						1	1					
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)						1						
	444040	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)							1					
10A	**143338**	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)		2					1	1	1	1		
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)						2						

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6639	6640	6643	6644	6647	6650	6656	6661	6662	6663	6665	6667
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)												
	5125884	ELBOW (3/8"-90 DEG.)						1						
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		4					2	2	2	2		
10A	**442323**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		2			2			1	1			
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)						2						
	118752	CONNECTOR, 1/2" TUBE (12.9460)							1					
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)					1							
	444150	TEE, 3/8" PIPE (12.9616)						1						
	444136	TEE, 3/8" PIPE (3 WAY) (12.9496)		2						1	1	1		
	444122	TEE, 3/8" PIPE							1					
	120278	NIPPLE, 3/8"X2" PIPE (12.9560)							1					
	3304086	ADAPTOR (1/4"X3/8") (7.4590)							1					
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550												
		2.5180 - CLIP, FILTER TO CYL. HEAD TUBE												
	5171509	CLIP, 5/8" (9.1591)						2						
	3290076	CLIP (4.8040)							4					
	5122241	CLAMP (2.5070)								8	8	8		
	5114551	TAG, CABLE (7.4545)						2	1					
	110500	SCREW, #10-24X1/2" (12.9025)								4				
	110502	SCREW, #10-24X3/4" (12.9025)							2		4	4		
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)							1					
	120217	LOCKWASHER, #10 (12.9200)								AR	AR	AR		
	103321	LOCKWASHER, 3/8" (12.9200)							AR					
	110633	NUT, #10-24 HEX. (12.9120)								AR	AR	AR		
	117049	NUT, 3/8"-24 HEX. (12.9120)							1					
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
	5125580	* TUBE (19.77" DEV. L.)								1	1			
	5131253	HOSE, FLEX. (14" L.)		2	1		1		1			1		
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)		2	1		1		1	1	1	1		
	444000	ADAPTOR, 1/4"-18 PIPE (12.9575)			1					1				
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)		2	1		1		1	1	1	1		
	5129843	TEE, 5/16" RESTRICTED (.080") (12.9496)			1		1			1	1			
	5124232	TEE, 5/16" RESTRICTED (.01065") (2.4015)		2					1			1		
	5145014	PLUG, 3/8" PIPE (12.9550)		2						1	1	1		
		* NOT SERVICED; CUSTOMER TO FABRICATE.												

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6391	6400	6443	6444	6447	6450	6556	6611	6622	6633	6655	6667
		2.5210 - TUBE, FUEL DRAIN												
	5128332 *	TUBE (9.82" DEV. L.) (TO JUNCTION)					1							
	5129772	TUBE (17.50" DEV. L.) (LC ENGINE)		1										
	5100247 *	TUBE (21.40" DEV. L.) (RIGHT BANK)						1						
	5103904	TUBE (26.20" DEV. L.) (FUEL RETURN)		1						1	1	1		
	5100248 *	TUBE (30.30" DEV. L.) (LEFT BANK)						1						
	5135905 *	TUBE (30.58" DEV. L.)							1					
	5129670 *	TUBE (40.24" DEV. L.) (FRONT ENGINE)		1										
	5129773 *	TUBE (48" DEV. L.) (REAR ENGINE)		1										
	442337	UNION, 5/16" INV. FL. TUBE (12.9475)		2										
	5116440	ELBOW, 5/16" (.070" RESTRICTION)						2						
	143337	ELBOW, 5/16"-45 DEG. INV. FL. TUBE (12.9480)		2			1							
	143338	ELBOW, 3/8" PIPE 45 DEG. STREET (12.9590)					1							
	5169475	CONNECTOR		2										
	452250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)								1	1	1		
	9432264	CONNECTOR, 5/16" TUBE (12.9460)						2						
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)								1	1	1		
	103327	LOCKWASHER, 7/8" (12.9200)		2										
	122432	NUT, 7/8"-14 HEX. (12.9120)		2										
		* NOT SERVICED; CUSTOMER TO FABRICATE SEE 12.8550.												
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE												
	5122247	HOSE, FLEX. (14" L.)				1								
	5125902	HOSE, FLEX. (16" L.)											1	1
	5131517	HOSE, FLEX. (18" L.)		2										
	5124393 *	HOSE, FLEX. (20 1/2" L.)								1	1	1		
	5132235	HOSE, FLEX. (25" L.)	1											
	5169475	CONNECTOR										1		
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)		4										
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)	1							1	1			1
	444321	ADAPTOR, 3/8"X1/4" RED. PIPE (12.9575)		4	1					1	1			
	444000	ADAPTOR, 3/8"X1/4"-18 (12.9460)								1	1			
	116332	BUSHING, 3/8"X1/4" RED. PIPE (12.9570)								1	1	1		
	103327	LOCKWASHER, 7/8" (12.9200)								1	1	1		
	122432	NUT, 7/8"-14 HEX. (12.9120)												
		* NOT SERVICED; CUSTOMER TO FABRICATE.												
		2.5220 - CLIP, FUEL DRAIN TUBE												
	3290459	CLIP		4					3	3	3			
	5112241	CLIP (2.5070)		6										
	5176249 *	CLIP, 5/16"					1							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6399	6400	6443	6444	6447	6500	6556	6561	6562	6563	6565	6567
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)												
	5163529	@ CLIP, 5/16"					1							
	3290076	CLIP (4.8040)							2					
	5166565	BRACKET, CLIP									1			
	5114551	TAG (7.4545)							3	3	3			
	131979	BOLT, #8-32X3/4" (12.9001)		3										
	181360	BOLT, 3/8"-24X3/4" (12.9001)									1			
	181361	BOLT, 3/8"-24X7/8" (12.9001)					1							
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)							1		1			
	103341	WASHER, 3/8" FLAT (12.9190)									1			
	103321	LOCKWASHER, 3/8" (12.9200)		3			1				1			
	106496	LOCKWASHER, #8 (12.9200)		3										
	117049	NUT, 3/8"-24 HEX. (12.9120)					1				1			
		* WITH LIFTER BRACKET TYPE 68.												
		@ WITH LIFTER BRACKET TYPE 47.												
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION												
	5100246	BLOCK						1						
	5109211	BLOCK		1										
#	5126977	BLOCK					1							
	5121182	PLUG, 1/4" PIPE (12.9550)					4	1						
	5145014	PLUG, 3/8" PIPE (12.9550)					1	1						
	454151	BOLT, 5/16"-24X1 1/2" (12.9001)						1						
	100030	BOLT, 3/8"-24X2" (12.9001)		2										
	179887	BOLT, 1/2"-13X1 3/4" (12.9001)					1							
	103320	LOCKWASHER, 5/16" (12.9200)						1						
	103323	LOCKWASHER, 1/2" (12.9200)					1							
	103321	LOCKWASHER, 3/8" (12.9200)		2										
	114493	NUT, 5/16"-24 HEX. (12.9120)						1						
		# FIG. 13A OF 1.0000.												
		2.5252 - BRACKET, FUEL SYSTEM JUNCTION BLOCK												
	5126976	BRACKET					1							
	5129768	BRACKET		1										
	5130984	BRACKET						1						
	2090390	CONNECTOR, 1/4" PIPE (IN BRACKET)					3							
	179838	BOLT, 3/8"-16X7/8" (12.9001)						1						
	179839	BOLT, 3/8"-16X1" (12.9001)					2							
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		2										
	103321	LOCKWASHER, 3/8" (12.9200)		2			2	1						
	131047	LOCKWASHER, 7/8" (12.9200)					3							
	219759	NUT, 7/8"-16 HEX. (12.9120)					3							
		2.5260 - VALVE, FUEL SYSTEM SHUT-OFF												
	5109335	VALVE, 3/8" GLOBE												2
	5130294	ELBOW (1/2" TUBE, 45 DEG.)												2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 674	676	677	679	687	691	697	698	702	706	714	716	717
		2.5001 - TUBE, FUEL SUPPLY TO STRAINER													
	5134801	TUBE (DEV. L. 22.70") (FWD. ENG.)												1	
	5134881	TUBE (DEV. L. 44.72") (REAR ENG.)												1	
	442340	UNION, INV. FL. TUBE (12.9475)												1	
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)												2	
		2.5006 - VALVE, FUEL SUPPLY CHECK													
	5122279	VALVE												2	
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER (FLEXIBLE)													
		FOR TYPE 686 USE TYPE 1166.													
	5126691	HOSE, FLEX. (13/32"I.D.X19"L.)												2	
	5128916 *	HOSE, FLEX. (13/32"I.D.X29"L.)		1									1		
	5124391 =	HOSE, FLEX. (13/32"I.D.X22 29/32" L.)		1										2	
	444052	ELBOW, 1/8"-45 DEG. (12.9590)													
	5127105 #	ELBOW											1		
	444042 *	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)												2	
	5130294	ELBOW (1/2" TUBE 45 DEG.)		1									1		
	2325715 *	ELBOW (1/2"-90 DEG.)		1									1	2	
	5181080 *	CONNECTOR (3/8") (4.7100)												2	
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)		1									1	4	
	103327 *	LOCKWASHER, 7/8" (12.9200)												2	
	5176523	NUT, 1/2" SEALASTIC (12.9445)		1									1	4	
	122432 *	NUT, 7/8"-14 HEX. (12.9120)													
		* USE ONLY WHEN BASE IS FURNISHED. = OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550. USED ONLY WHEN BASE IS FURNISHED. # OBSOLETE													
		2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE													
	5171509	CLIP (5/8") (9.1591)		1									1		
	5153473	CLIP, 1/2" (4.6040)												3	
	5151108	CLIP, 1/2" TUBE (12.4095)												1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)												1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 674	676	677	679	687	691	697	698	702	706	714	716	717
		2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE(CONT'D)													
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)												1	
	180130	BOLT, 3/8"-16X2" HEX. (12.9001)												1	
	103320	LOCKWASHER, 5/16" (12.9200)												1	
	123197	NUT, 5/16"-18 HEX. (12.9120)												1	
		2.5030 - BRACKET, FUEL SUPPLY TO STRAINER TUBE CLIP													
	5188969	BRACKET (4.1540)												1	
	5134645	BRACKET												2	
	179838	BOLT, 3/8"-16X7/8" (12.9001)												1	
	103321	LOCKWASHER, 3/8" (12.9200)												AR	
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP													
	5133423	@ TUBE (DEV. L. 9.30") (TO PRIMER PUMP)	1						1						
	5133421	@ TUBE (DEV. L. 27.80")	1						1						
	5132343	@ TUBE (DEV. L. 27.80")		1									1		
	5115873	HOSE, FLEX. (20"L.)										1			
	5131830	HOSE, FLEX. (27 1/2"L.)			1										
	5123319	HOSE, FLEX. (53 1/2"L.)						1							
	5185389	HOSE, FLEX. (57 1/2"L.)				1				1					
	454109	ELBOW, 1/4"-90 DEG. STREET (12.9590)						1							
	9432245	ELBOW, 5/16" INV. FL. TUBE (12.9480)	1						1						
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1		2				1						
	444042	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)				1				1		1			
	118755	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)									1				
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)		2									2		
	188947	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)				1		1				1			
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)						1		1					
	442322	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	1						1						
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1						1						
	5125883	CONNECTOR, 1/2" (2.5150)				1		1							
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)				1									
	3304086	ADAPTOR (1/4"X3/8") (7.4590)						1							
		@ OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 674	676	677	679	687	691	697	698	702	706	714	716	717
		2.5060 - *HOSE, FUEL PUMP INLET*													
	5133456	@ TUBE (DEV. L. 42.26")					1								
	5117746	@ HOSE, FLEX. (1/2" I.D.X13 3/4" L.)					1								
	5100325	ADAPTOR					1								
	442343	ELBOW, 5/8"-90 DEG. INV. FL. TUBE (12.9480)					1								
	442341	UNION, 5/8" INV. FL. TUBE (12.9475)					1								
		@ NOT SERVICED; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		2.5070 - CLIP, STRAINER TO FUEL *PUMP*													
	5112241	CLIP										4			
	5177623	CLIP, 3/8" (2.5120)	1						1						
	5151883	CLIP, 3/8"		1									1		
	5100364	CLIP, 5/8"					1								
	5151189	CLIP, 3/4" (4.8040)						4							
	5173022	BRACKET	1						1						
	5113488	SPACER					1								
	110502	SCREW, #10-24X3/4" (12.9025)										2			
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)					1								
	181361	BOLT, 3/8"-24X7/8" (12.9001)	1						1						
	120217	LOCKWASHER, #10 (12.9200)										2			
	103320	LOCKWASHER, 5/16" (12.9200)					1								
	103321	LOCKWASHER, 3/8" (12.9200)	1						1						
	103341	WASHER, 3/8" FLAT (12.9190)	1						1						
	110633	NUT, #10-24 HEX. (12.9120)										2			
	117049	NUT, 3/8"-24 HEX. (12.9120)	1						1						
		2.5100 - TUBE, FUEL PUMP TO FILTER													
	5133422	* TUBE (14.64"L.) (FILTER TO PRIMER PUMP)	1						1						
	5140018	TUBE (17.46" DEV. L.)	1						1			1			
10A	**5132913**	* TUBE (20.00" DEV. L.) (SD-29)		1									1		
10A	**5130850**	* TUBE (41.10" DEV. L.)					1								
10A	**5131517**	HOSE, FLEX. (18 9/16" L.)													1
10A	**5134209**	* HOSE, FLEX. (22" L.)						1							
10A	**5133168**	HOSE, FLEX. (24 1/4" L.)			1										
10A	**5123319**	HOSE, FLEX. (53 1/2" L.)				1				1					
	5199576	HOSE, FLEX (25.48" L.)												2	
	5199589	FITTING, HOSE 90 DEG. 3/4"-18 INV. FL. (12.8552)												1	
	5199580	FITTING, HOSE 3/4"-18 INV. FL. (12.8552)												1	
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)									1				
	444040	ELBOW, 1/4"-90 DEG. STREET (12.9590)	1						1			1			
	225815	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	1						1						
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	1						1						
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE	2		2			2	2			2			2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 674	676	677	679	687	691	697	698	702	706	714	716	717
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)													
		(12.9480)													
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		2									2		
	444056	ELBOW, 3/8" PIPE 45 DEG. STREET (12.9590)								1					
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)												2	
	188947	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)				1								2	1
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)				2				2					
	5176522	ELBOW, 1/2" TUBE 90 DEG. SEALASTIC (12.9425)					1								
	5127105	ELBOW, 1/2"-45 DEG. (12.9452)					1								
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)					1				1				
	5179936	CONNECTOR, 3/8" SEALASTIC (12.9415)	1						1			1			
	5125883	CONNECTOR, 1/2" (2.5150)				1									
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)	1						1			1			
	5176523	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)					2								
	444150	TEE, 3/8"-18 PIPE (12.9616)					1								
	444258	TEE, 3/8" (12.9490)					1								
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)	1						1			1			
	5176524	NUT, 1/2" TUBE SEALASTIC (12.9445)					2								
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE													
	3290076	CLIP (4.8040)				3				3					
	5168001	CLIP, 1/2" (4.8040)					2								
	140573	CLIP, 5/8" (12.9630)						1							
	5112241	CLAMP (2.5070)		4									4	2	
	131979	SCREW, #8-32X3/4" (12.9025)		2									2		
	110502	SCREW, #10-24X3/4" (12.9025)		2		1	2			1				2	
	180120	BOLT, 3/8"-16X3/4" (12.9001)													
	106496	LOCKWASHER, #8 (12.9200)													
	120217	LOCKWASHER, #10 (12.9200)		2									2		
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR			AR				2	
	103092	NUT, #8-32 (12.9120)													
	110633	NUT, #10-24 HEX. (12.9120)		2									2		
		2.5149 - TUBE, FILTER TO CYLINDER HEAD													
10A	5122331	* TUBE (DEV. L. 12.72") (RIGHT BANK)	1						1			1		2	
	5125589	TUBE (DEV. L. 14.24")						1							
	5124743	* TUBE (DEV. L. 19.56") (RIGHT BANK)													

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 674	676	677	679	687	691	697	698	702	706	714	716	717
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)													
	5125020	* TUBE (DEV. L. 26.50") (RIGHT BANK)		1									1		
10A	5125692	* TUBE (DEV. L. 30.50") (LEFT BANK)	1						1			1			
	5125594	TUBE (DEV. L. 30")												2	
	5125018	* TUBE (DEV. L. 39.68") (LEFT BANK)		1									1		
	5134208	* HOSE, FLEX. (15 1/4" L.) (LEFT BANK)						1							
10A	5130691	HOSE, FLEX. (21" L.) (RIGHT BANK)													1
	5189175	* HOSE, FLEX. (25 5/16" L.) (RIGHT BANK)					1								
10A	5131830	HOSE, FLEX. (27 1/2" L.) (LEFT BANK)													1
	5118742	* HOSE, FLEX. (35 1/2" L.) (LEFT BANK)				1				1					
	5133169	* HOSE, FLEX. (37 3/4" L.) (LEFT BANK)			1										
	5133170	* HOSE, FLEX. (40 3/4" L.) (RIGHT BANK)			1										
10A	5185392	* HOSE, FLEX. (46" L.) (RIGHT BANK)				1				1					
10A	5110183	* HOSE, FLEX. (58" L.) (LEFT BANK)					1								
	119113	ELBOW, 1/4" PIPE 45 DEG. STREET (12.9590)				1									
	444040	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)				1				1					
	2011306	ELBOW, 1/4" PIPE 45 DEG. STREET (12.9590)					1			1					
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)					1								
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)													1
	5125884	ELBOW, 3/8"-90 DEG. (2.5150)					1								
10A	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	2		4			1	2			1		4	4
10A	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)		1									1		
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		2									2	2	
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)					1								
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)				1				1					
10A	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2	2				2	2			2	2	2	
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)					2								
	5117567	CONNECTOR, 3/8" FL. TUBE (3.5720)					1								
	118752	CONNECTOR, 1/2" TUBE (12.9460)				2				2					
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)													1
	178690	TEE, TWO WAY RESTRICTED (12.9490)						1							
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)						1							
	444136	TEE, 3/8" PIPE (3 WAY) (12.9496)		1									1		
	444122	TEE, 3/8" PIPE (12.9540)				1				1					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 674	676	677	679	687	691	697	698	702	706	714	716	717
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)													
	120278	NIPPLE, 3/8"X2" PIPE (12.9560)				1				1					
	3304086	ADAPTOR (1/4"X3/8") (7.4590) * OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550				2				2					
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE													
	3290076	CLIP (4.8040)				4	1			4					
	5169119	CLIP, 3/8" (2.5120)						1							1
	5153473	CLIP, 1/2" (4.6040)													
	5112241	CLAMP (2.5070)	2	8				2	2				8		
	5166565	BRACKET, CLIP (9.1591)		1								1		1	
	5114541	BRACKET, CLIP				1				1					
	5111079	BRACKET						1							
	5163014	SPACER, 13/32"X1 1/4" (7.4005)												1	
	5114551	TAG (7.4545)					2					2			
	110502	SCREW, #10-24X3/4" (12.9025)	1	4				1	1						
	186618	BOLT, 5/16"-18X5/8" (12.9001)						1							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1				1					
	186627	BOLT, 3/8"-24X1" (12.9001)				1				1					
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)										1			
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)						1				1			
	187234	BOLT, 3/8"-24X2 7/8" (12.9001)												1	
	120393	WASHER, 5/16" FLAT (12.9190)						1							
	103320	LOCKWASHER, 5/16" (12.9200)						1							
	103321	LOCKWASHER, 3/8" (12.9200)				1				1				1	
	110633	LOCKWASHER, #10 (12.9200)	1	1				1	1				1		
	120376	NUT, 5/16"-18 HEX. (12.9120)						1							
	117049	NUT, 3/8"-24 HEX. (12.9120)				1				1					
		2.5205 - TUBE, FUEL DRAIN CROSSOVER													
	5129248 *	TUBE (DEV. L. 19.40")				1		1							
	5125580 *	TUBE (DEV. L. 19.77")	1						1			1		2	
	5131253 *	HOSE, FLEX. (14" L.)		1	1					1	1		1		1
	3290459	CLIP, 5/16" (2.5220)	1						1						
	5182629	CLIP, 5/16"				1									
	5166565	BRACKET, CLIP (9.1591)	1						1						
	5108443	BRACKET, CLIP				1									
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)			1										
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)									1				
	5162785	ELBOW, 1/4" PIPE 45 DEG. STREET (12.9590)									1				
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1		1	1	1	1	1	1	2	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 674	676	677	679	687	691	697	698	702	706	714	716	717
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)													
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)									2				
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1	1	1		1	1	1	1	1	1	2	
	5129843	TEE, 5/16" RESTRICTED (.080") (12.9496)	1		1	1		1	1		1	1			1
	5124232	TEE, 5/16" RESTRICTED (.01065") (2.4015)		1						1			1	2	
	5145009	PLUG, 1/8" PIPE (12.9550)												2	
	444867	PLUG, 3/8" PIPE (12.9550)		1				1					1		
	181333	BOLT, 5/16"-24X5/8" (12.9001)				1									
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1						1						
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	1						1						
	103341	WASHER, 3/8" FLAT (12.9190)	AR						AR						
	103320	LOCKWASHER, 5/16" (12.9200)				1									
	103321	LOCKWASHER, 3/8" (12.9200)	1						1						
	114493	NUT, 5/16"-24 HEX. (12.9120)				1									
	117049	NUT, 3/8"-24 HEX. (12.9120)	1						1						
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550													
		2.5210 - TUBE, FUEL DRAIN													
	5129669	TUBE (2.5001)												1	
	5129772	TUBE (DEV. L. 17.50") (LC ENGINE)												1	
	5100247 *	TUBE (DEV. L. 21.40") (RIGHT BANK)					1								
	5103904	TUBE (DEV. L. 26.20") (FUEL RETURN)	1	1		1				1		1	1	1	
	5134719	TUBE (DEV. L. 27")												1	
	5100248 *	TUBE (DEV. L. 30.30") (LEFT BANK)					1								
	5134262 *	TUBE (DEV. L. 33.12")						1							
	5129670	TUBE (DEV. L. 40.24") (FRONT ENGINE)												1	
	5129773	TUBE (DEV. L. 48") (REAR ENGINE)												1	
	5162746 *	TUBE (DEV. L. 49.08")							1						
	442337	UNION, 5/16" INV. FL. TUBE (12.9475)												2	
	5116440	ELBOW, 5/16" (.070" RESTRICTION)					2								
	5169475	CONNECTOR												2	
	9432264	CONNECTOR, 5/16" TUBE (12.9460)	1				2					1			
	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)		1					1				1		
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)		1									1		
	103327	LOCKWASHER, 7/8" (12.9200)												2	
	122432	NUT, 7/8"-14 HEX. (12.9120)												2	
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550													
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE													
	5188017	HOSE, FLEX. (12" L.)					1								
	5131517	HOSE, FLEX. (5/16"X18 9/16"L.)												2	
	5108553	HOSE, FLEX. (13/32"I.D.X17 3/8"L.)												2	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 674	676	677	679	687	691	697	698	702	706	714	716	717
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE (CONT'D)													
	5124393 *	HOSE, FLEX. (20 1/2" L.)											1		
	5128915	HOSE, FLEX. (25 1/2" L.)					1								1
	5131831 *	HOSE, FLEX. (42" L.)												4	
	444000	ADAPTOR (12.9460)		1									1		
	5169475	CONNECTOR					1								
	118752	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)												4	
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)		1									1		
	103327	LOCKWASHER, 7/8" (12.9200)		1									1		
	122432	NUT, 7/8"-14 HEX. (12.9120)													
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550.													
		2.5220 - CLIP, FUEL DRAIN TUBE													
	3290459	CLIP	3	2		2		3		2		3	2	4	
	5112241	CLIP (2.5070)												6	
	3290076	CLIP (4.8040)				2				2					
	5161872	CLIP					2							4	
	5159490	CLIP (5/16") (7.4076)							2					3	
	5182629	CLIP, 5/16" (12.4080)													2
	140582	CLIP, 1/2" CLOSED (3/8" BOLT) (12.9630)												3	
	131979	BOLT, #8-32X3/4" (12.9001)											1		
	5166565	BRACKET, CLIP					1								
	454894	BOLT, 1/4"-20X3/4" (12.9001)												1	
	120228	BOLT, 5/16"-18X5/8" (12.9001)							2						
	179835	BOLT, 3/8"-11X5/8" (12.9001)										1			
	181360	BOLT, 3/8"-24X3/4" (12.9001)								1					
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)				1						1			
	103341	WASHER, 3/8" FLAT (12.9190)												3	
	106496	LOCKWASHER, #8 (12.9200)					1								
	120380	LOCKWASHER, 1/4" (12.9200)							2			2			
	103321	LOCKWASHER, 3/8" (12.9200)				1								3	
	103092	NUT, #8 (12.9120)												3	
	120375	NUT, 1/4"-20 HEX. (12.9120)					1								
	117049	NUT, 3/8"-24 HEX. (12.9120)										1			
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION													
	5109211 *	BLOCK												1	
	5100246	BLOCK					1								
	5121182	PLUG, 1/4" PIPE (12.9550)					1								
	215386	BOLT, 5/16"-18X6" (12.9001)					1								
	100030	BOLT, 3/8"-24X2" (12.9001)												2	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6747	6766	6777	6779	6887	6891	6897	6898	7002	7066	7144	7166	7177
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION (CONT'D)													
	103320	LOCKWASHER, 5/16" (12.9200)					1								
	103321	LOCKWASHER, 3/8" (12.9200)													2
		* NOT SERVICED; USE 5147329 AND INCLUDE (1) 5145010 AND (1) 5145014.													
		2.5252 - BRACKET, FUEL SYSTEM JUNCTION BLOCK													
	5129768	BRACKET													1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)													2
	103321	LOCKWASHER, 3/8" (12.9200)													2
		2.5260 - VALVE, FUEL SYSTEM SHUT-OFF													
	5109335	VALVE, 3/8" GLOBE													2
	120278	NIPPLE, 3/8"X2" (12.9460)													2
	5130294	ELBOW, 1/2" TUBE-45 DEG.													2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 719	720	726	727	734	735	738	739	741	742	743
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER (FLEXIBLE)											
	5125782	HOSE, FLEX. (.50"I.D.X14"L.)		1									
		2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE											
	5171509	CLIP (5/8") (9.1591)			2								
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP											
	5135156 *	TUBE (DEV. L. 17.82")											1
	5134436	HOSE (24.25"L.)										1	
	5135292	HOSE (50"L.)				1							
	5185389	HOSE, FLEX. (57 1/2"L.)	1										
	444056	ELBOW, 3/8" PIPE 45 DEG. STREET (12.9590)				1							
	9434182	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)				2							
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)											1
	444042	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)	1										
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)										1	
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	1										
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)											1
	5132237	FITTING, 5/8" HOSE (2.6005)				2							
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5060 - TUBE, FUEL PUMP INLET											
	5125590 *	TUBE (DEV. L. 18.58")		1					1				
	5134921	TUBE (DEV. L. 35.46")			1								
	5100278 *	TUBE ASSY. (DEV. L. 39")								1			
	5117746 *	HOSE, FLEX. (1/2" I.D.X13 3/4" L.)			1								
	5125782 *	HOSE ASSY. (.50"X14")							1				
	5100325	ADAPTOR								1			
	444056	ELBOW, 3/8"-45 DEG. STREET									1		
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)		1					1			1	
	442343	ELBOW, 5/8"-90 DEG. INV. FL. TUBE (12.9480)								1			
	9434182	ELBOW, 5/8"-90 DEG. INV. FL. TUBE (12.9480)			1						1		
	442341	UNION, 5/8" INV. FL. TUBE (12.9475)			1								

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 719	720	726	727	734	735	738	739	741	742	743
		2.5060 - TUBE, FUEL PUMP INLET (CONT'D)											
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE											
	5177623	CLIP, 3/8" (2.5120)											1
	5153473	CLIP, 1/2" (4.6040)		1					1				
	5100364	CLIP, 5/8"								1			
	5165244	CLIP, 7/8"				2							
	5185410	– BRACKET				1							
	5113488	SPACER			1					1			
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)				1				1			
	179835	BOLT, 3/8"-16X5/8" (12.9001)			1								
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				1							
	181361	BOLT, 3/8"-24X7/8" (12.9001)				1							
	103321	LOCKWASHER, 3/8" (12.9200)			1	1							
	117049	NUT, 3/8"-24 HEX. (12.9120)				1							
		+ OBSOLETE.											
		2.5100 - TUBE, PUMP TO FILTER											
	5140018	* TUBE (17.46" DEV. L.)						1					1
10A	**5135928**	* TUBE (20.94" DEV. L.)		1									
	5100242	* TUBE (42.60" DEV. L.)			1					1			
	5109179	* TUBE ASSY. (18.38" L.)							1				
10A	**5123319**	HOSE, FLEX. (53 1/2" L.)	1										
	5162736	HOSE ASSY. (27 1/2" L.)					1						
	5132541	HOSE ASSY. (37 3/4" L.)										1	
	5123317	HOSE ASSY. (44" FLEX.)				1							
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)					1						
	444040	ELBOW, 1/4"-90 DEG. STREET (12.9590)						1					1
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)						2	1			2	
	444056	ELBOW, 3/8" PIPE 45 DEG. STREET (12.9590)	1										
	118755	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			1								
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	2										
	5138299	@ ELBOW ASSY. 1/2" SEALASTIC (12.9425)			1					1			
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)		1									
	9402839	ELBOW, 1/2"-90 DEG. EXT. (12.9391)				1					1		
	5138305	@ CONNECTOR ASSY., 3/8" SEALASTIC (12.9415)						1					1

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 719	720	726	727	734	735	738	739	741	742	743
		2.5100 - TUBE, FUEL PUMP TO FILTER (CONT'D)											
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1				
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)		1									
	5138306	CONNECTOR ASSY., 1/2" TUBE SEALASTIC (12.9415)			2					2			
	118752	CONNECTOR, 1/2" TUBE (12.9460)				1							
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)						1					1
		* NOT SERVICED. CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		@ INCLUDES SEAL RING IN 2.5100 PLUS NUT NOT SOLD SEPARATELY.											
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE											
	3290076	CLIP (4.8040)	3										
	5168001	CLIP, 1/2" (4.8040)			2					2			
	5151189	CLIP, 3/4" (4.8040)				2							
	5185410	+ BRACKET (7.7380)				1							
	180120	BOLT, 3/8"-16X3/4" (12.9001)	1		2					2			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				1							
	181361	BOLT, 3/8"-24X7/8" (12.9001)				1							
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR				AR			
	117049	NUT, 3/8"-24 HEX. (12.9120)				1							
		+ OBSOLETE, NO REPLACEMENT.											
		2.5149 - TUBE, FILTER TO CYLINDER HEAD											
10A	**5122331**	* TUBE (DEV. L. 12.72") (RIGHT BANK)						1					1
10A	**5125517**	* TUBE (25.74" L.) (RIGHT BANK)		1									
10A	**5125692**	* TUBE (DEV. L. 30.50") (LEFT BANK)						1					1
	5125516	* TUBE (DEV. L. 38.50") (LEFT BANK)		1									
	5125900	HOSE, FLEX. (23 3/4" L.) (RIGHT BANK)					1						
	5189175	* HOSE, FLEX. (25 5/16" L.) (RIGHT BANK)			1					1			
	5109567	HOSE, FLEX. (27" L.) (RIGHT BANK)				1							
	5131256	* HOSE, FLEX. (27" L.) (LEFT BANK)							1				
10A	**5131830**	HOSE, FLEX. (27 1/2" L.) (LEFT BANK)										1	
	5162839	HOSE, FLEX. (30 1/2" L.) (RIGHT BANK)					1						
	5118742	* HOSE, FLEX. (35 1/2" L.) (LEFT BANK)	1										

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 719	720	726	727	734	735	738	739	741	742	743
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)											
	5133170	* HOSE, FLEX. (40 3/4" L.) (RIGHT BANK)										1	
10A	**5185392**	* HOSE, FLEX. (46" L.) (RIGHT BANK)	1										
10A	**5110183**	* HOSE, FLEX. (58" L.) (LEFT BANK)			1	1				1			
	444040	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)	1										
	2011306	ELBOW, 1/4" PIPE 45 DEG. STREET (12.9590)	1		1	1	1			1	1		
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)			1	1	1		1	1	1		
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)										1	
	5125884	ELBOW, 3/8"-90 DEG. (2.5150)				1				1			
10A	**193004**	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		2				2	1			4	2
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)			1	1				1	1		
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	1										
10A	**442323**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		2				2	2				2
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)			2	2				2	2		
	5117567	CONNECTOR, 3/8" FL. TUBE (3.5720)								1			
	118752	CONNECTOR, 1/2" TUBE (12.9460)	2										
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	2	1	1	1						1	1
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)							1				
	5129843	TEE, 5/16"X1/4" (12.9496)										1	1
	442348	TEE, 3/8"X3/8"X1/4" (12.9490)		1									
	444136	TEE, 3/8" PIPE (3 WAY) (12.9496)		1									
	444122	TEE, 3/8" PIPE (12.9540)	1										
	444150	TEE, 3/8" PIPE (12.9616)			1	1				1			
	120278	NIPPLE, 3/8"X2" PIPE (12.9560)	1										
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)										1	
	3304086	ADAPTOR (1/4"X3/8") (7.4590)	2										
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550.											
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE											
	3290076	CLIP (4.8040)	1		1				1	1			
	5134759	CLIP (2.5156)						1					
	5151883	CLIP, 3/8" (2.5070)		1									
	5100364	CLIP, 5/8" (2.5070)				2							
	5112241	CLAMP (2.5070)											2
	5138090	CLAMP (2.5220)		2				2					
	5138091	CLAMP		2				2					
	5114541	BRACKET, CLIP			2	2				2			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 719	720	726	727	734	736	738	739	741	742	743
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE (CONT'D)											
	5178595	BRACKET		1				1					
	5133575	BRACKET, CLIP							1				
	5160307	BRACKET, CLIP			2	2				2			
	5114551	TAG (7.4545)		1				1					1
	110502	SCREW, #10-24X3/4" (12.9025)						1					
	110492	SCREW, #10-24X1 1/8" FIL. HD. (12.9010)							1				
	123435	BOLT, 1/4"-28X5/8" (12.9001)		1									
	181333	BOLT, 5/16"-24X5/8" (12.9001)				1							
	181360	BOLT, 5/16"-24X5/8" (12.9001)											
	180120	BOLT, 3/8"-16X3/4" (12.9001)	1										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1										
	186627	BOLT, 3/8"-24X1" (12.9001)						1					
	120391	WASHER, 7/32" (12.9190)						2					
	120392	WASHER, 9/32" (12.9190)		1									
	120393	WASHER, 5/16" FLAT (12.9190)		AR				1					1
	120217	LOCKWASHER, #10 (12.9200)						1					
	103319	LOCKWASHER, 1/4" (12.9200)		1					1				
	103320	LOCKWASHER, 5/16" (12.9200)	1			1							
	103321	LOCKWASHER, 3/8" (12.9200)		AR				1					1
	110633	NUT, #10-24 HEX. (12.9120)						1					
	121902	NUT, 1/4"-28 HEX. (12.9120)		1					1				
	114493	NUT, 5/16"-24 HEX. (12.9120)											
	117049	NUT, 3/8"-24 HEX. (12.9120)	1										
		2.5205 - TUBE, FUEL DRAIN CROSSOVER											
	5129437 *	TUBE (DEV. L. 18.77")		1			1	1	1				1
	5125580 *	TUBE (DEV. L. 19.77")										1	
	5131253 *	HOSE, FLEX. (14" L.)	1					1	1				1
	3290459	CLIP, 5/16" (2.5220)					1	1	1				
	5134840	CLIP, 5/16"											1
	5166565	BRACKET, CLIP (9.1591)					1	1	1				
	5133574	BRACKET, CLIP											
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)					1						
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1			1	1	1				1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1			1	1	1				
	5129843	TEE, 5/16" RESTRICTED (.080") (12.9496)					1	1	1				
	5124232	TEE, 5/16" RESTRICTED (.01065") (2.4015)	1	1									
	444867	PLUG, 3/8" PIPE (12.9550)		1				1	1				
	181360	BOLT, 3/8"-24X3/4" (12.9001)					1	1	1				1
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)					1	1	1				1
	103341	WASHER, 3/8" FLAT (12.9190)					AR	AR	AR				AR

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 719	720	726	727	734	735	738	739	741	742	743
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)											
	103321	LOCKWASHER, 3/8" (12.9200)					1	1	1				1
	117049	NUT, 3/8"-24 HEX. (12.9120)					1	1	1				1
		* NOT SERVICED; CUSTOMER TO FABRICATE.											
		2.5210 - TUBE, FUEL DRAIN											
	5100247 *	TUBE (DEV. L. 21.40") (RIGHT BANK)			1	1				1	1		
	5103904	TUBE (DEV. L. 26.20") (FUEL RETURN)		1				1	1				
	5100248 *	TUBE (DEV. L. 30.30") (LEFT BANK)			1	1				1	1		
	5131831 *	TUBE (DEV. L. 42")	1										
	5162746 *	TUBE (DEV. L. 49.08")											1
	5116440	ELBOW, 5/16" (.070" RESTRICTION)			2	2				2	2		
	9432264	CONNECTOR, 5/16" TUBE (12.9460)		1	2	2		1	1	2	2		
	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)											1
		* NOT SERVICED; CUSTOMER TO FABRICATE.											
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE											
	5118782 *	HOSE, FLEX. (.25"I.D.X14"L.)	1						1				
	5188017	HOSE, FLEX. (12" L.)			1					1			
	118752	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1					1			
		* NOT SERVICED; CUSTOMER TO FABRICATE.											
		2.5220 - CLIP, FUEL DRAIN TUBE											
	3290459	CLIP		2					1				
	3290076	CLIP (4.8040)	2										
	5161872	CLIP			2	2				2	2		
	5159490	CLIP (5/16") (7.4076)											2
	5153473	CLIP	1										
	5134840	CLIP, 5/16" (NEOPRENE)		1									
	3290459	CLIP						1					
	5133596 *	BRACKET, CLIP		1									
	5177362	SPACER, 3/8"X3/4"X1/4"	1										
	454894	BOLT, 1/4"-20X3/4" (12.9001)			1	1				1	1		
	179835	BOLT, 3/8"-11X5/8" (12.9001)											2
	181360	BOLT, 3/8"-24X3/4" (12.9001)		1									
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)	1	1									
	103341	WASHER, 3/8" FLAT (12.9190)		1									
	120380	LOCKWASHER, 1/4" (12.9200)			1	1				1	1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 719	720	726	727	734	735	738	739	741	742	743
		2.5220 - CLIP, FUEL DRAIN TUBE (CONT'D)											
	103321	LOCKWASHER, 3/8" (12.9200)		1									2
	120375	NUT, 1/4"-20 HEX. (12.9120)			1	1				1	1		
	117049	NUT, 3/8"-24 HEX. (12.9120)		1									
		* NO LONGER AVAILABLE FOR SERVICE.											
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION											
	5100246	BLOCK			1	1				1	1		
	5121182	PLUG, 1/4" PIPE (12.9550)			1	1				1	1		
	215386	BOLT, 5/16"-18X6" (12.9001)			1	1				1	1		
	103320	LOCKWASHER, 5/16" (12.9200)			1								

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 746	748	749	750	752	753	754	755	757	761	763	766	768
		2.5006 - VALVE, FUEL SUPPLY CHECK													
	5109734	VALVE			2										
	5174924	VALVE (SWING)												1	
	118757	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9360)			1										
	121208	NIPPLE, 1/2"X1 1/8" (12.9560)			2										
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE													
	5125782	HOSE, FLEX. (14" L.)								1					1
	5112120	HOSE, FLEX. (1/2"I.D.X19 7/8"L.) (3.5505)			2										
	5108397	CONNECTOR, 1/2" FUEL PIPE (2.5215)			2										
	442325	CONNECTOR, 5/8" TUBE (12.9460)			2										
	9402801	ELBOW, 5/8" PIPE 45 DEG. (12.9600)			2										
	427654	NUT, 1 1/8"-12 HEX. SLOTTED			2										
		2.5030 - BRACKET, FUEL SUPPLY TO STRAINER TUBE CLIP													
	5132182 *	BRACKET			2										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2										
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)			2										
	103321	LOCKWASHER, 3/8" (12.9200)			AR										
		* OBSOLETE.													
		2.5040 - SPACER, FUEL SUPPLY TO STRAINER TUBE CLIP													
	5160629	SPACER (4.2270)			4										
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP													
	5134646 *	TUBE (DEV. L. 22.34")					1								
	5135349	TUBE (DEV. L. 47") (FRONT ENGINE)			1										
	5135348	TUBE (DEV. L. 52.88") (REAR ENGINE)			1										
	5135292	HOSE, FLEX. (50" L.)										1			
	5135293	HOSE, FLEX. (74 1/2" L.)				1									
	9434182	ELBOW, 3/8"-90 DEG.			2	2									
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)			1										
	5132237	FITTING, 5/8" (2.6005)				1						2			
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 746	748	749	750	752	753	754	755	757	761	763	766	768
		2.5060 - TUBE, FUEL PUMP INLET													
	5125590	* TUBE (DEV. L. 18.58")								1					1
	5134921	TUBE (DEV. L. 35.46")											1		
	5117746	* HOSE, FLEX. (13 3/4" L.)											1		
	444056	ELBOW, 3/8"-45 DEG. STREET (12.9590)										1			
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)				1									
	9434182	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)				1						1	1		
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	1					1	1						
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)					1			1	1				1
	442341	UNION, 5/8" INV. FL. TUBE (12.9475)											1		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE													
	5153473	CLIP, 1/2" (4.6040)								1					1
	5171509	CLIP, 5/8"											2		
	3291251				2										
	5165244	CLIP, 7/8"				3									
	5157702	CLIP, 1"										2			
	5178899	BRACKET				1									
	5185813	BRACKET			2										
	5185410	+ BRACKET				2									
	5164294	SPACER				1						1			
	5160425	SPACER											1		
	5113488	SPACER											1		
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)											1		
	100014	BOLT, 5/16"-24X1" (12.9001)				3									
	179835	BOLT, 3/8"-16X5/8" (12.9001)				1									
	180120	BOLT, 3/8"-16X3/4" (12.9001)										1			
	179838	BOLT, 3/8"-16X7/8" (12.9001)			2										
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)											1		
	120393	WASHER, 5/16" (12.9190)				2									
	103341	WASHER, 3/8" (12.9190)											1		
	103320	LOCKWASHER, 5/16" (12.9200)				3									
	103321	LOCKWASHER, 3/8" (12.9200)			2	1						1			
	114493	NUT, 5/16"-24 HEX. (12.9120)				3									
	102635	NUT, 3/8" HEX. (12.9120)			2										
		+ OBSOLETE.													
		2.5100 - TUBE, PUMP TO FILTER													
	5128336	* TUBE (16.40" L.) (TO JUNCTION)					1								
10A	5140018	* TUBE (DEV. L. 17.46")								1					
	5109179	* TUBE (DEV. L. 18.38")													1
	5100242	TUBE (DEV. L. 42.60")			2										

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 746	748	749	750	752	753	754	755	757	761	763	766	768
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)													
	5130691	HOSE, FLEX. (21" L.)									1				
	5123317	HOSE, FLEX. (44" L.) (4.4330)										1			
	5132091	HOSE, FLEX. (54.25"L.)											1		
	5137927 *	HOSE, FLEX. (54.75" L.)		1											
	5186537	HOSE, FLEX. (85" L.)				1									
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)	1					1	1						
	444040	ELBOW, 1/4"-90 DEG. STREET (12.9590)								1					
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		4			1			2	2				1
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)				2									
	9402839	ELBOW, 1/2"-90 DEG. EXT. (12.9391)										1			
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)			2								1		
	5138299 @	ELBOW ASSY., 1/2" SEALASTIC (12.9425)			2										
	5138305 @	CONNECTOR ASSY., 3/8" SEALASTIC (12.9415)								1					
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)	1		1			1	1						
	118752	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)													1
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)											1		
	5176521	CONNECTOR, 1/2" TUBE SEALASTIC (12.9415)			2										
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)								1					
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)			4										
	444150	TEE, 3/8"-18 PIPE (12.9616)			2										
	5176524	SEAL RING, 1/2" SEALASTIC TUBE (12.9435)			4										
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		@ INCLUDES SEAL RING IN 2.5100 PLUS NUT NOT SOLD SEPARATELY.													
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE													
	5168001	CLIP, 1/2" (12.4095)			4										
	5171509	CLIP, 5/8" (9.1591)		2											
	5151189	CLIP, 3/4" (4.8040)				5						2	2		
	3224553	CLIP, 3/4" (4.8040)											1		
	5114551	TAG (7.4545)											1		
	179837	BOLT, 3/8"-16X3/4" (12.9001)			4										
	179839	BOLT, 3/8"-16X1" (12.9001)										1			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7468	7488	7499	7550	7552	7553	7554	7555	7557	7611	7633	7666	7688
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE (CONT'D)													
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)											1		
	103321	LOCKWASHER, 3/8" (12.9200)			4							1			
		2.5149 - TUBE, FILTER TO CYLINDER HEAD													
	5128335 *	TUBE (DEV. L. 12.62") (RIGHT BANK) (JUNCTION)					1								
	5122331 *	TUBE (DEV. L. 12.72") (RIGHT BANK)								1					1
	5128334 *	TUBE (DEV. L. 25.36") (LEFT BANK) (JUNCTION)					1								
	5125692 *	TUBE (DEV. L. 30.50") (LEFT BANK)								1					1
	5131829	HOSE (12" L.) (RIGHT BANK)									1				
	5189175	HOSE, FLEX. (25 5/16" L.) (2.5050)			2										
	5131830	HOSE (27" L.) (LEFT BANK)									1				
	5109567	HOSE (27" L.) (RIGHT BANK)										1			
	5131519	HOSE (35 5/16" L.) (RIGHT BANK)											1		
	5110183 *	HOSE (58" L.) (LEFT BANK)			2							1			
	5189176	HOSE (64 5/16" L.) (RIGHT BANK)				1									
	5137130	HOSE, FLEX. (31" L.) (LEFT BANK)		1									1		
	5132090	HOSE, FLEX. (47 1/4" L.) (LEFT BANK)													
	5132540	HOSE, FLEX. (54.75" L.) (RIGHT BANK)		1											
	5189174	HOSE, FLEX. (78 5/16" L.) (LEFT BANK)				1									
	2011306	ELBOW, 1/4" PIPE 45 DEG. STREET (12.9590)	1			1		1	1			1			
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)	1	1	2	1		1	1			1	1		
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)									1				
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		2						2	2				2
	5125884	ELBOW, 3/8"-90 DEG. (2.5150)				1						1			
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)			2	1									
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)	2	2	2			2	2			1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		2			2			2			1		2
	5117567	CONNECTOR, 3/8" FL. TUBE (3.5720)										1			
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)											1		
	444150	TEE, 3/8" PIPE (12.9616)				1						1			
	178690	TEE, 3/8" TWO WAY RESTRICTED (12.9496)											1		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE													
	3290076	CLIP (4.8040)			2										
	5134759	CLIP, 3/8"					1			1			2		1
	5168001	CLIP, 1/2"													

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 746	748	749	750	752	753	754	755	757	761	763	766	768
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE (CONT'D)													
	5171509	CLIP, 5/8"		2		2									
	5100364	CLIP, 5/8"										2			
	5138090	CLAMP (2.5220)					2			2					2
	5138091	CLAMP (2.5220)					2			2					2
	5134647 *	BRACKET, CLIP					1								
	5133575	BRACKET, CLIP								1					1
	5114551	TAG (7.4545)			4										
	110492	SCREW, #10-24X1 1/8" (12.9010)					1			1					1
	123435	BOLT, 1/4"-28X5/8" (12.9001)					1			1					1
	180120	BOLT, 3/8"-16X3/4" (12.9001)										1	1		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											1		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		2											
	186312	BOLT, 3/8"-24X4" (12.9001)		1											
	120391	WASHER, 7/32" (12.9190)					1			1					1
	120392	WASHER, 9/32" (12.9190)					2			2					2
	120217	LOCKWASHER, #10 (12.9200)					1			1					1
	103319	LOCKWASHER, 1/4" (12.9200)					1			1					1
	103321	LOCKWASHER, 3/8" (12.9200)										1			
	110633	NUT, #10-24 HEX. (12.9120)					1			1					1
	121902	NUT, 1/4"-28 HEX. (12.9120)					1			1					1
		* NO LONGER AVAILABLE FOR SERVICE.													
		2.5205 - TUBE, FUEL DRAIN CROSSOVER													
	5125580 *	TUBE (DEV. L. 19.77")	1				1			1					1
	5134748	HOSE, FLEX. (13 1/4" L.)		1											
	5131253 *	HOSE, FLEX. (14" L.)						1	1		1				
	3290459	CLIP, 5/16" (2.5220)	1												
	5134840	CLIP, 5/16" (NEOPRENE)	1				1			1					1
	5133574	BRACKET, CLIP	1				1			1					1
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1			1	1	1	1	1				1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1			1	1	1	1	1				1
	5129843	TEE, 5/16" RESTRICTED (.80") (12.9496)	1				1	1	1	1	1				1
	5145014	PLUG, 3/8" PIPE (12.9550)	1				1		1	1	1				1
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1				1			1					1
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	1							1					1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)					1								
	103341	WASHER, 3/8" FLAT (12.9190)	2				2			2					2
	103321	LOCKWASHER, 3/8" (12.9200)	1				1			1					1
	117049	NUT, 3/8"-24 HEX. (12.9120)	1				1			1					1
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550.													
		2.5210 - TUBE, FUEL DRAIN													
	5130049 *	TUBE (DEV. L. 13.38")					1								
	5100247 *	TUBE (DEV. L. 21.40") (LEFT BANK HEAD TO JUNCTION BLOCK)			2	1						1	1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 746	748	749	750	752	753	754	755	757	761	763	766	768
		2.5060 - TUBE, FUEL PUMP INLET (CONT'D)													
	5103904	TUBE (DEV. L. 26.20") (FUEL RETURN)	1					1		1					1
	5132614 *	TUBE (DEV. L. 30.22") (REAR ENGINE)			1										
	5100248 *	TUBE (DEV. L. 30.30") (REAR OF RIGHT BANK HEAD TO JUNCTION BLOCK)			2	1						1	1		
	5132615 *	TUBE (DEV. L. 31.44") (FRONT ENGINE)			1										
	5128927	ELBOW, 5/16" (.080" RESTRICTED)		1											
	5116440	ELBOW, 5/16" (.070" RESTRICTED)			4	2						2	2		
	444056	ELBOW, 3/8"-45 DEG. STREET (12.9590)			2										
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)			2										
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)			4										
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)			2										
	5181080	CONNECTOR, 1 1/8" (4.7100)			2										
	187434	CONNECTOR, 5/16" TUBE (12.9460)	1			2		1		1		2	2		1
	5121182	PLUG, 1/4" (2.4015)				2									
	103327	LOCKWASHER, 7/8" (12.9200)			2										
	122432	NUT, 7/8"-14 HEX. (12.9120)			2										
		* NOT SERVICED; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE													
	5138212 *	HOSE, FLEX. (14"L.)		1											
	5118782 *	HOSE, FLEX. (1/4"I.D.X14"L.)								1					1
	5108553	HOSE, FLEX. (13/32" I.D.X17 3/8"L.)			2										
	5131831 *	HOSE, FLEX. (5/16"I.D.X42"L.)									1				
	5188017	HOSE, FLEX. (12"L.)											1		
	118752	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1								1		
	144100	NIPPLE, 1/2"X3/8" RED. PIPE(12.9560)			2										
	444000	ADAPTOR, 3/8"X1/4"-18 (12.9460)									1				
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550													
		2.5220 - CLIP, FUEL DRAIN TUBE													
	3290459	CLIP, 5/16"						2							2
	5161872	CLIP, 3/8"			4							2	2		
	5153473	CLIP, 1/2" TUBE, 3/8" BOLT (4.6040)		1											
	140582	CLIP, 1/2" CLOSED (3/8" BOLT) (12.9630)									2				
	3290076	CLIP, 3/4"								6					
	5130984	BRACKET			1	1						1			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 746	748	749	750	752	753	754	755	757	761	763	766	768
		2.5220 - CLIP, FUEL DRAIN TUBE (CONT'D)													
	454894	BOLT, 1/4"-20X3/4" (12.9001)										1	1		
	443603	BOLT, 1/4"-20X3/4" (12.9001)			2										
	180121	BOLT, 3/8"-16X7/8" (12.9001)				1									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2										
	120380	LOCKWASHER, 1/4" (12.9200)										1	1		
	103321	LOCKWASHER, 3/8" (12.9200)			2	1									
	120375	NUT, 1/4"-20 HEX. (12.9120)			2							1	1		
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION													
	5130999	BLOCK			1										
	5100246	BLOCK			2	1						1	1		
	5130050	BLOCK					1								
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)					1								
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)					1								
	444692	PLUG, 1/4" PIPE (12.9550)			2	1						1	1		
	5121182	PLUG, 1/4" PIPE (12.9550)					1								
	5145014	PLUG, 3/8" PIPE (12.9550)				1	1								
	103880	PLUG, 1/2" PIPE (12.9550)			1										
	215386	BOLT, 5/16"-18X6" (12.9001)			1								1		
	454151	BOLT, 5/16"-24X1 1/2" (12.9001)			1	1						1			
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)					2								
	100030	BOLT, 3/8"-24X2" (12.9001)			2										
	103320	LOCKWASHER, 5/16" (12.9200)			2	1						1			
	103321	LOCKWASHER, 3/8" (12.9200)			2		2								
	114493	NUT, 5/16"-24 HEX. (12.9120)			1	1						1			
		2.5252 - BRACKET, FUEL SYSTEM JUNCTION BLOCK													
	5129768	BRACKET			1										
	5126976	BRACKET					1								
	2090390	CONNECTOR, 1/4" PIPE (IN BRACKET)					3								
	180121	BOLT, 3/8"-16X7/8" (12.9001)					2					1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			2										
	103321	LOCKWASHER, 3/8" (12.9200)					2					2			
	131047	LOCKWASHER, 7/8" (12.9200)					3								
	219759	NUT, 7/8"-16 HEX. (12.9120)					3								
		2.5260 - VALVE, FUEL SYSTEM SHUT-OFF													
	5108366	VALVE, GATE (4.7103)													2
	140807	NIPPLE, 1/4"X3" (12.9560)													2
	9402801	ELBOW, 5/8"-45 DEG.(VALVE) (12.9600)													2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7744	7746	7747	7748	7780	7781	7784	7785	7788	7790	7793
		2.5001 - TUBE, FUEL SUPPLY TO STRAINER											
	5162904	TUBE (4.40" L.)		1									
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE											
	5125782	HOSE, FLEX. (14" L.)		1									
	5136035 *	HOSE, FLEX. (21" L.)						1				1	
	5136736 *	HOSE, FLEX. (55" L.)									1		
	143340	ELBOW, 1/2"-45 DEG. INV. FL. TUBE (12.9480)									1		
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)		1							1		
	109429 @	ELBOW, 5/8"-90 DEG. INV. FL. TUBE (12.9480)						2				2	
	5108397 @	CONNECTOR, 1 1/2" (12.5215)						1				1	
	427654 @	NUT, 1 1/8"-12 SLOTTED HEX. (12.9120)						1				1	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		@ USE ONLY WHEN BASE IS FURNISHED.											
		2.5020 - CLIP, FUEL SUPPLY TO STRAINER TUBE											
	5151189 @	CLIP (3/4") (4.8040)						1				1	
		@ USE ONLY WHEN BASE IS FURNISHED.											
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP											
	5162817 *	TUBE (DEV. L. 18.34")		1									
	5134460 *	TUBE (DEV. L. 20.00") (JUNCTION)	1				1						
	5132021 *	TUBE (DEV. L. 26.27")						1				1	
	5137128 *	HOSE, FLEX. (49" L.)											1
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)	1	2			2	2				2	1
	143340	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)											1
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE											
	5153473	CLIP, 1/2" (4.6040)	1				1	1				1	
	5134648	BRACKET	1				1						
	179835	BOLT, 3/8"-16X5/8" (12.9001)	1				1						
	186285	BOLT, 3/8"-16X4" (12.9001)	1				1						

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 774	776	777	778	780	781	784	785	788	790	793
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE (CONT'D)											
	103321	LOCKWASHER, 3/8" (12.9200)	1				1						
	102635	NUT, 3/8"-16 HEX. (12.9120)	1				1						
		2.5100 - TUBE, PUMP TO FILTER											
	5128336	* TUBE (16.40" L.) (TO JUNCTION)	1				1						
10A	5140018	* TUBE (DEV. L. 17.46")		1				1				1	
	5135869	* TUBE (DEV. L. 20.86")							1			1	
	5108350	* TUBE (DEV. L. 66.20")									1		
	5139608	HOSE, FLEX. (50" L.)											
	5136735	HOSE, FLEX. (47" L.)											
	444040	ELBOW, 1/4"-90 DEG. STREET (12.9590)		1									
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1	2			1		1		2		1
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)						2				2	
	5138305	@ CONNECTOR ASSY., 3/8" SEALASTIC (12.9415)		1									
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1				
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)		1									1
	5121182	PLUG, 1/4" PIPE (12.9550)											1
	5104778	TEE, 1/4"X1/4" (12.9490)											
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		@ INCLUDES SEAL RING IN 2.5100 PLUS NUT NOT SOLD SEPARATELY.											
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE											
	5153473	CLIP, 1/2"									3		2
	5151189	CLIP, 3/4" (4.8040)									2		2
	5166565	BRACKET, CLIP (9.1591)									2		1
	132273	SCREW, 1/4"-20X1" FIL. HD. (12.9010)									1		1
	180121	BOLT, 3/8"-16X7/8" (12.9001)									2		1
	120392	WASHER, 1/4" FLAT (12.9190)									1		1
	120380	LOCKWASHER, 1/4" (12.9200)									1		1
	103321	LOCKWASHER, 3/8" (12.9200)									2		1
	102635	NUT, 3/8"-16 HEX. (12.9120)									2		1
		2.5149 - TUBE, FILTER TO CYLINDER HEAD											
	5128335	* TUBE (DEV. L. 12.62") (RIGHT BANK) (JUNCTION)	1				1						
	5122331	* TUBE (DEV. L. 12.72") (RIGHT BANK)		1									

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 774	776	777	778	780	781	784	785	788	790	793
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)											
	5108494	TUBE (DEV. L. 12.84")							1				
	5128334 *	*TUBE (DEV. L. 25.36") (LEFT BANK) (JUNCTION)*	1				1						
	5125517 *	TUBE (DEV. L. 25.74") (RIGHT BANK)						1				1	
	5125692 *	TUBE (DEV. L. 30.50") (LEFT BANK)		1									
	5125516 *	TUBE (DEV. L. 38.50") (LEFT BANK)						1				1	
	5136733	HOSE, FLEX. (14" L.) (LEFT BANK)									1		
	5137130	HOSE, FLEX. (32" L.) (LEFT BANK)											1
	5137131	HOSE, FLEX. (47" L.) (RIGHT BANK)											1
	5136734 *	HOSE, FLEX. (50" L.) (RIGHT BANK)									1		
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		2				2	2		2	2	2
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2	2			2	1			2	1	2
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)						1					
	442347	TEE, 5/16" TUBE, TWO WAY (12.9490)						1					
	442348	TEE, 3/8" TUBE, TWO WAY (12.9490)										1	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE											
	5151883	CLIP, 3/8"						2				2	
	5134759	CLIP, 3/8"	1	1			1						
	5153473	CLIP, 1/2"									2		1
	5138090	CLAMP (2.5220)	2	2			2	2				2	
	5138091	CLAMP (2.5220)	2	2			2	2				2	
	5134647 *	BRACKET, CLIP	1				1						
	5133575	BRACKET, CLIP		1									
	5178595	BRACKET (2.5030)						1					
	5177362	SPACER, 3/8"X3/4"X1/4" (2.9643)						1					
	110492	SCREW, #10-24X1 1/8" (12.9010)	1	1			1	1				1	
	123435	BOLT, 1/4"-28X5/8" (12.9001)	1	1			1						
	181333	BOLT, 5/16"-24X5/8" (12.9001)						1				1	
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)						1					
	120391	WASHER, 7/32" (12.9190)	1	1			1	1				1	
	120392	WASHER, 9/32" (12.9190)	2	2			2						
	120393	WASHER, 5/16" FLAT (12.9190)						2				2	
	103341	WASHER, 3/8" FLAT (12.9190)						1					
	120217	LOCKWASHER, #10 (12.9200)	1	1			1	1				1	
	103319	LOCKWASHER, 1/4" (12.9200)	1	1			1						
	103320	LOCKWASHER, 5/16" (12.9200)						1				1	
	110633	NUT, #10-24 HEX. (12.9120)	1	1			1	1				1	
	121902	NUT, 1/4"-28 HEX. (12.9120)	1	1			1						
	114493	NUT, 5/16"-24 HEX. (12.9120)						1				1	
		* NO LONGER AVAILABLE FOR SERVICE.											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 774	776	777	778	780	781	784	785	788	790	793
		2.5205 - TUBE, FUEL DRAIN CROSSOVER											
	5129437	* TUBE (DEV. L. 18.77")				1	1					1	
	5125580	* TUBE (DEV. L. 19.77")	1	1	1						1		1
	5131253	* HOSE, FLEX. (14" L.)						1		1			
	5134840	CLIP, 5/16" (NEOPRENE)	1	1	1	1	1				1	1	
	5133574	BRACKET, CLIP	1	1	1		1				1		1
	5133596	@ BRACKET, CLIP				1	1					1	
	5178595	BRACKET, CLIP										1	
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1		1		1	1	1	1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1	1	1	1	1		1	1	1	1
	5124232	TEE, 5/16" RESTRICTED (.106") (12.9496)				1	1	1				1	
	5129843	TEE, 5/16" RESTRICTED (.80") (12.9496)	1	1	1					1	1		1
	5145014	PLUG, 3/8" PIPE (12.9550)	1	1	1	1	1	1		1	1	1	1
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1	1	1	1	1				1	1	
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)		1	1	1	1				1		1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)	1									1	
	103341	WASHER, 3/8" FLAT (12.9190)	2	2	2	2	2				2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1	1	1				1	1	
	117049	NUT, 3/8"-24 HEX. (12.9120)	1	1	1	1	1				1	1	
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550.											
		@ NO LONGER AVAILABLE FOR SERVICE.											
		2.5210 - TUBE, FUEL DRAIN											
	5128332	* TUBE (DEV. L. 9.82") (TO JUNCTION)	1				1	1					
	5103904	TUBE (DEV. L. 26.20") (FUEL RETURN)		1								1	
	5129844	ADAPTOR, 1/4"X1/4" (.080" RESTRICTED)							1				
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)								1			
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)							2				
	187434	CONNECTOR, 5/16" TUBE (12.9460)						1				1	
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)						1				1	
	425250	CONNECTOR, 5/8" INV. FL. TUBE (12.9480)						1				1	
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550.											
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE											
	5136732	HOSE, FLEX. (20"L.)									1		1
	5118782	* HOSE, FLEX. (1/4"I.D.X14"L.)		1									
	5124393	* @ HOSE, FLEX. (5/16"I.D.X20 1/2"L.)						1				1	
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)									1		1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 74	76	77	78	80	81	84	85	88	90	93
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE (CONT'D)											
	5114551	TAG, CABLE (7.4545)									1		1
	5169475	@ CONNECTOR (2.5210)						1				1	
	103327	@ LOCKWASHER, 7/8" (12.9200)						1				1	
	122432	@ NUT, 7/8" (12.9120)						1				1	
		* OBSOLETE. CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550.											
		@ USE ONLY WHEN BASE IS FURNISHED.											
		2.5220 - CLIP, FUEL DRAIN TUBE											
	3290459	CLIP, 5/16"		2				2				2	
	5134840	CLIP, 5/16"											1
	140582	CLIP, 1/2" CLOSED (3/8" BOLT) (12.9630)									2		2
	181360	BOLT, 3/8"-24X3/4" (12.9001)											1
	103321	LOCKWASHER, 3/8" (12.9200)											1
	117049	NUT, 3/8"-24 HEX. (12.9120)											1
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION											
	5126977	BLOCK	1				1			1			
	143337	ELBOW, 5/16"-45 DEG. INV. FL. TUBE (12.9480)	1				1						
	143340	ELBOW, 1/2"-45 DEG. INV. FL. TUBE (12.9480)	1				1						
	5145010	PLUG, 1/4" PIPE (12.9550)	4				4						
	5145014	PLUG, 3/8" PIPE (12.9550)	1				1						
	179887	BOLT, 1/2"-13X1 3/4" (12.9001)	1				1			1			
	103323	LOCKWASHER, 1/2" (12.9200)	1				1			1			
		2.5252 - BRACKET, FUEL SYSTEM JUNCTION BLOCK											
	5126976	BRACKET	1				1			1			
	2090390	CONNECTOR, 1/4" PIPE (IN BRACKET)	3				3						
	180121	BOLT, 3/8"-16X7/8" (12.9001)	2				2			2			
	103321	LOCKWASHER, 3/8" (12.9200)	2				2			2			
	131047	LOCKWASHER, 7/8" (12.9200)	3				3						
	219759	NUT, 7/8"-16 HEX. (12.9120)	3				3						

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 794	795	797	800	804	805	808	812	813	816	820	821
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5135308	VALVE (SWING)												1
	8924158	BUSHING, RED. 1/2"X3/8" (12.9570)												1
		2.5010 - HOSE, FUEL SUPPLY TO STRAINER												
	5199576	HOSE, FLEX. (16"L.)		1										
	5136035	HOSE, FLEX. (21"L.)			1							1		
	5136036	@ HOSE, FLEX. (26"L.)					1							
	5136987	HOSE, FLEX. (45"L.) (2.5050)												
	5199738	FITTING, #8 HOSE (3/4"-16) (STRAIGHT SWIVEL) (12.8561)		1										
	5199585	FITTING, #8 HOSE (3/8" MALE PIPE) (STRAIGHT) (12.8552)		1										
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)					1							
	8925076	ELBOW, 5/8"-90 DEG. INV. FL. TUBE (12.9480)			2							2		
	5108397	CONNECTOR, 1 1/2" HEX. (2.5215)			1							1		
	427654	* NUT, 1 1/8"-12 (12.9120)			1							1		
		* USE ONLY WHEN BASE IF FURNISHED.												
		@ OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5020 - CLIP, FUEL SUPPLY TO STRAINER												
	5151189	CLIP, 3/4" (4.8040)			1							1		
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
	5134877	* TUBE (DEV. L. 9.68") (TO PRIMER PUMP)	1											
4A	5134461	TUBE (DEV. L. 24.84")		1										
4A	5135870	* TUBE (DEV. L. 27.50")			1							1		
4A	5115873	HOSE, FLEX. (20"L.) (12.4090)								1				
4A	5137311	* HOSE, FLEX. (21"L.)					1							
4A	5137421	* HOSE, FLEX. (25.25"L.)	1											
4A	5185394	HOSE, FLEX. (27"L.) (8.3830)				1							1	
4A	5132452	HOSE, FLEX. (27"L.)							1					
4A	5137388	* HOSE, FLEX. (38"L.)												
	8924215	ELBOW, 5/16" INV. FL. TUBE (12.9480)	1											
4A	8924175	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)				2				1				
4A	8924162	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)	1	1			1							
4A	8924150	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)		1										
4A	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)		1	2		1		2	1		2	2	
	8925609	CONNECTOR, 5/16" INV. FL. TUBE	1											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7944	7955	7977	8000	8004	8005	8008	8112	8113	8116	8120	8121
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP (CONT'D)												
		(12.9460)												
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)	1											
	5125883	CONNECTOR, 1/2" (2.5150)								1				
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1											
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
	5171509	CLIP (9.1591)							2					
	5153473	CLIP, 1/2" (4.6040)		1	1		2					1		
	3291251	CLIP, 5/8" (2.5120)							1				1	
	5171509	CLIP, 5/8" (9.1591)							1					
	5151189	CLIP, 3/4" (4.8040)					2							
	5173022	BRACKET					1							
	5155464	BRACKET					1							
	5111079	BRACKET							1					
	186618	BOLT, 5/16"-18X5/8" (12.9001)							1					
	179835	BOLT, 3/8"-16X5/8" (12.9001)					1							
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							2					
	181361	BOLT, 3/8"-24X7/8" (12.9001)					1							
	186312	BOLT, 3/8"-24X4" (12.9001)					1							
	103341	WASHER, 3/8" FLAT (12.9190)					1							
	103320	LOCKWASHER, 5/16" (12.9200)							1					
	103321	LOCKWASHER, 3/8" (12.9200)					1							
	123197	NUT, 5/16"-18 HEX. (12.9120)							1					
	117049	NUT, 3/8"-24 HEX. (12.9120)					1							
		2.5100 - TUBE, PUMP TO FILTER												
	5135848	* TUBE (DEV. L. 16.34") (PRIMER PUMP TO FILTER)	1											
	5140018	* TUBE (DEV. L. 17.46")		1				1						
	5135869	* TUBE (DEV. L. 20.86")			1							1		
	5137312	* HOSE, FLEX. (16 1/4" L.)	1											
10A	5109971	* HOSE, FLEX. (18 7/16" L.)								1				
	5136025	* HOSE, FLEX. (19" L.)											1	
	5115873	HOSE, FLEX. (20" L.)				1								
10A	5130696	HOSE, FLEX. (23" L.)					1							
	5137387	HOSE, FLEX. (33" L.)							1					
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)								1				
	444040	ELBOW, 1/4"-90 DEG. STREET (12.9590)		1				1						
	225815	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	1											
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE	1											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 794	795	797	800	804	805	808	812	813	816	820	821
	2.5100 - TUBE, PUMP TO FILTER (CONT'D)													
		(12.9480)												
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	2	2			2	1	2					
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)		1										
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			2			2				2	2	
	118755	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)								1				
	5138305 @	CONNECTOR ASSY., 3/8" SEALASTIC (12.9415)		1				1						
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)		1				1						
		* OBSOLETE CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL RING IN 2.5100 PLUS NUT NOT SOLD SEPARATELY												
	2.5120 - CLIP, FUEL PUMP TO FILTER TUBE													
	5153473	CLIP, 1/2" (4.6040)							1					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							1					
	2.5149 - TUBE, FILTER TO CYLINDER HEAD													
10A	**5122331** *	TUBE (DEV. L. 12.72") (RIGHT BANK)	1	1				1						
10A	**5125692** *	TUBE (DEV. L. 30.50") (LEFT BANK)	1	1				1						
	5125516 *	TUBE (DEV. L. 38.50") (LEFT BANK)			1							1		
	5137312 *	HOSE, FLEX. (16.25" L.) (RIGHT BANK)					1							
	5109971 *	HOSE, FLEX. (18 7/16" L.) (RIGHT BANK)								1				
10A	**5109447** *	HOSE, FLEX. (23.75" L.) (RIGHT BANK)				1								
	5109972 *	HOSE, FLEX. (24.50"L.) (LEFT BANK)								1				
	5125517 *	HOSE, FLEX. (25.74"L.) (RIGHT BANK)			1							1		
	5133453 *	HOSE, FLEX. (27.50"L.) (RIGHT BANK)											1	
	5131846 *	HOSE, FLEX. (29.25"L.) (LEFT BANK)					1							
	5131576	HOSE, FLEX. (31"L.) (RIGHT BANK)							1					
	5131575	HOSE, FLEX. (39.25"L.) (LEFT BANK)							1				1	
	5109448	HOSE, FLEX. (37.25"L.) (LEFT BANK)				1								
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)				1				1				
	2011306	ELBOW, 1/4" PIPE 45 DEG. STREET (12.9590)								1				
10A	**193004**	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	2	2	1		3	2	2			1	1	
	5125884	ELBOW, 3/8"-90 DEG. (2.5150)				1								

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 794	795	797	800	804	805	808	812	813	816	820	821
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)												
	118755	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9390)								2				
	225828	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)				1								
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2	2	1		1	2	2			1	1	
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)				2								
	5125883	CONNECTOR, 1/2" TUBE (2.5150)				1								
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)			2							1	1	
	113175	PLUG, 1/8" SQ. HD. PIPE (12.9550)				1								
	5128892	TEE, 3/8" PIPE (1.9616)				1								
	442348	TEE, 3/8"X3/8"X1/4" (12.9490)		1								1	1	
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460) *				1								
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5180 - CLIP, FILTER TO CYL. HEAD TUBE												
	5134759	CLIP (2.5156)	1	1				1						
	5151883	CLIP, 3/8" (2.5070)			1		1		2			1		
	5153473	CLIP, 1/2" (4.6040)				2			1					
	3291251	CLIP, 5/8" (1.1060)												
	5100364	CLIP, 5/8" (2.5070)				1								
	5151189	CLIP, 3/4" (4.8040)												
	5138091	CLAMP (2.5220)	2	2	2			2				2		
	5138090	CLAMP (2.5220)	2	2	2			2				2		
	5178595	BRACKET (2.5030)			1			1						
	5166565	BRACKET, CLIP (9.1591)					1							
	5133575	BRACKET, CLIP	1	1										
	5114551	TAG, CABLE (7.4545)				2				2				
	110492	SCREW, #10-24X1 1/8" FIL. HD. (12.9010)	1	1	1			1				1		
	132268	SCREW, 1/4"-20X7/8" FIL. HD. (12.9025)							1					
	123435	BOLT, 1/4"-28X5/8" (12.9001)	1	1				1						
	181333	BOLT, 5/16"-24X5/8" (12.9001)			1							1		
	180120	BOLT, 3/8"-16X3/4" (12.9001)					1							
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)										1		
	120391	WASHER, 7/32" (12.9190)	1	1	1			1				1		
	120385	WASHER, 1/4" FLAT (12.9190)							1					
	120392	WASHER, 9/32" FLAT (12.9190)	2	2				2						
	120393	WASHER, 5/16" FLAT (12.9190)			1							1		
	103341	WASHER, 3/8" FLAT (12.9190)										1		
	120217	LOCKWASHER, #10 (12.9200)	1	1	1			1				1		
	120380	LOCKWASHER, 1/4" (12.9200)	1	1				1	1					
	103320	LOCKWASHER, 5/16" (12.9200)			1							1		
	103321	LOCKWASHER, 3/8" (12.9200)					1							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7944	7955	7977	8000	8004	8005	8008	8112	8113	8116	8220	8221
		2.5180 - CLIP, FILTER TO CYL. HEAD TUBE (CONT'D)												
	110633	NUT, #10-24 HEX. (12.9120)	1	1	1			1				1		
	121902	NUT, 1/4"-28 HEX. (12.9120)	1	1				1						
	114493	NUT, 5/16"-24 HEX. (12.9120)			1							1		
	102635	NUT, 3/8"-16 HEX. (12.9120)					1							
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
	5127741 *	TUBE (DEV. L. 13 7/8")				1								
	5129437 *	TUBE (DEV. L. 18.77")			1			1						
	5125580 *	TUBE (DEV. L. 19.77")	1	1					1	1				
	5131253 *	HOSE, FLEX. (14" L.)					1				1	1	1	
	3290459	CLIP, 5/16" (2.5220)								2				
	5134840	CLIP, 5/16" (2.5220)	1	1	1			1	1	1				
	5133596 @	BRACKET, CLIP						1						
	5133574	BRACKET, CLIP (2.5220)	1	1					1	1				
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)									1			
	2294381	ADAPTOR, 1/2"-20 PIPE (12.9460)				1								
	142664	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9390)				1								
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	1	1	1		1	1	1	1	1	1	1	
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)		1	1	1	1	1	1	1	1	1	1	
	5129843	TEE, 5/16" RESTRICTED (.080") (2.5210)		1			1		1	1	1			
	5124232	TEE, 5/16" RESTRICTED (.01065") (2.4015)			1	1		1				1	1	
	444867	PLUG, 3/8" PIPE (12.9550)		1	1	1	1	1		1	1	1	1	
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1	1	1			1	1	1				
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	1	1				1	1	1				
	103341	WASHER, 3/8" FLAT (12.9190)	1	2	1			1	2	2				
	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1			1		1				
	117049	NUT, 3/8"-24 HEX. (12.9120)	1	1	1			1	1	1				
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550												
		@ NO LONGER AVAILABLE FOR SERVICE.												
		2.5210 - TUBE, FUEL DRAIN												
	5129245 *	TUBE (DEV. L. 25.58")								1				
	5103904	TUBE (DEV. L. 26.20") (FUEL RETURN)		1	1			1				1		
	5137224 *	TUBE (DEV. L. 31.50")							1					
	5162746 *	TUBE (DEV. L. 49.08")	1											
	9432264	CONNECTOR, 5/16" TUBE (12.9460)			1			1				1		
	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	1	1	1							1		
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)			1							1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 794	795	797	800	804	805	808	812	813	816	820	821
		2.5210 - TUBE, FUEL DRAIN (CONT'D)												
		* NOT SERVICED; CUSTOMER TO FABRICATE.												
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE												
	5186063	HOSE, FLEX. (14"L.)											1	
	5124393 *	HOSE, FLEX. (20 1/2"L.)		1	1									
	5128915	HOSE, FLEX. (25 1/2"L.)										1		
	5131831 *	HOSE, FLEX. (42"L.)				1	1							
	5169475	CONNECTOR, 1/4" PIPE HEX. (2.5210)		1	1									
	118750	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1										
	5181080	CONNECTOR, 1 1/8" HEX. (4.7100)		1										
	187395	COUPLING, 1/4" PIPE (12.9580)				1								
	5114551	TAG, CABLE											3	
	444000	ADAPTOR, 1/4"-18 PIPE				1								
	103327	LOCKWASHER, 7/8" (12.9200)		2	1							1		
	122432	NUT, 7/8"-14 HEX. (12.9120)		2	1							1		
		* NOT SERVICED; CUSTOMER TO FABRICATE.												
		2.5220 - CLIP, FUEL DRAIN TUBE												
	3290459	CLIP, 5/16"		2	2			2	2			2		
	5159490	CLIP, 5/16" (7.4076)	2											
	5153473	CLIP, 1/2" (4.6040) (12.9630)											2	
	140582	CLIP, 1/2" CLOSED (3/8" BOLT)				2								
	5133596 *	BRACKET, CLIP			1									
	179835	BOLT, 3/8"-11X5/8" (12.9001)	2											
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)			1									
	103341	WASHER, 3/8" FLAT (12.9190)			1									
	103321	LOCKWASHER, 3/8" (12.9200)	2											
		* OBSOLETE.												

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 824	826	827	829	839	843	847	850	852	854	858	865
		2.5001 - TUBE, FUEL SUPPLY TO STRAINER												
	5129770	TUBE (DEV. L. 26.90") (FWD ENG FRT)			1									
	5129669	TUBE (DEV. L. 32") (FWD ENG REAR)			1									
	5129771	+ TUBE (DEV. L. 51.42") (REAR ENGINE)			1									
	442340	UNION, INV. FL. TUBE (12.9475)			1									
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)			2									
	5176522	ELBOW, 1/2"-90 DEG. TUBE SEALASTIC (12.9425)			2									
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)			2									
	5176523	NUT, 1/2" SEALASTIC (12.9445)			2									
		+ OBSOLETE.												
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5174924	VALVE			2									
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
	5126691	HOSE, FLEX. (13/32"I.D.X19"L.)			2									
	5181080	CONNECTION			2									
	5127105	* ELBOW, 45 DEG. TUBE SEALASTIC (12.9425)			2									
	5130294	ELBOW (1/2" TUBE 45 DEG.)			2									
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)			2									
	103327	LOCKWASHER, 7/8" (12.9200)			4									
	5176523	NUT, 1/2" SEALASTIC (12.9445)			2									
	122432	NUT, 7/8"-14 HEX. (12.9120)			4									
	5125782	HOSE, FLEX. (14"L.)						1						
		* OBSOLETE												
		2.5020 - CLIP, FUEL SUPPLY TO STRAINER												
	5153473	CLIP, 1/2" (4.6040)			3									
	186625	BOLT, 5/16"-18X7/8" (12.9001)			1									
	103320	LOCKWASHER, 5/16" (12.9200)			1									
	123197	NUT, 5/16"-18 HEX. (12.9120)			1									
		2.5030 - BRACKET, FUEL SUPPLY TO STRAINER TUBE CLIP												
	5188969	BRACKET (4.1540)			1									
	5109182	BRACKET			2									
	179838	BOLT, 3/8"-16X7/8" (12.9001)			1									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2									

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 824	826	827	829	839	843	847	850	852	854	858	865
		2.5030 - BRACKET, FUEL SUPPLY TO STRAINER TUBE CLIP(CONT'D)												
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)			2									
	103321	LOCKWASHER, 3/8" (12.9200)			AR									
		2.5040 - SPACER, FUEL SUPPLY TO STRAINER TUBE CLIP												
	5160629	SPACER (4.2270)			4									
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP												
	5134877 *	TUBE (DEV. L. 9.68") (TO PRIMER PUMP)	1											
4A	5134460 *	TUBE (DEV. L. 20")												1
4A	5134779 *	TUBE (DEV. L. 21.36")	1											
	5137377 *	HOSE (DEV. L. 26.50")			2									
4A	5137771 *	TUBE (DEV. L. 36.10")					1							
4A	5132452	HOSE, FLEX. (27"L.)							1					
4A	5138217	HOSE, FLEX. (42"L.)									1			
	9432245	ELBOW, 5/16" INV. FL. TUBE (12.9480)	1											
4A	143340	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)	1											
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)	1		2	1			1		2			
	5176522	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9425)					1							
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)					1							
	5176523	NUT, 1/2" TUBE SEALASTIC (12.9445)					1							
	442322	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	1											
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1											
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5060 - TUBE, FUEL PUMP INLET												
	5125590 *	TUBE (DEV. L. 18.58")					1	1						
	5134921	TUBE (DEV. L. 35.46")		1										
	5117746 *	HOSE, FLEX. (13 3/4" L.)		1										
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)					1	1						1
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)										1		
	9434182	ELBOW, 5/8"-90 DEG. INV. FL. TUBE (12.9480)		1										

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 824	826	827	829	839	843	847	850	852	854	858	865
		2.5060 - TUBE, FUEL PUMP INLET (CONT'D)												
	442340	UNION, 1/2" INV. (12.9475)					1							
	442341	UNION, 5/8" INV. FL. TUBE (12.9475) * OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.		1										
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
	5171509	CLIP (9.1591)		2							2			
	5163473	CLIP, 1/2" (4.6040)					2	2						1
	5131426	CLIP, 1/2" (4.6040)					1							
	5168001	CLIP, 1/2" (12.4095)	1											
	2362448	CLIP (12.8554)							1					
	5173022	BRACKET	1											
	5111079	BRACKET									1			
	5134648	BRACKET												1
	5160425	SPACER		1										
	5113488	SPACER		1										
	186618	BOLT, 5/16"-18X5/8" (12.9001)									1			
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)		1										
	179835	BOLT, 3/8"-16X5/8" (12.9001)												1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									1			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		1										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									1			
	186285	BOLT, 3/8"-16X4" (12.9001)												1
	181361	BOLT, 3/8"-24X7/8" (12.9001)	1											
	103341	WASHER, 3/8" FLAT (12.9190)	1						1					
	5152148	WASHER, 3/8" (2.4050)												1
	120394	WASHER, 13/32"X13/16" (12.9190)		1										
	103320	LOCKWASHER, 5/16" (12.9200)									1			
	103321	LOCKWASHER, 3/8" (12.9200)	1											1
	123197	NUT, 5/16"-18 HEX. (12.9120)									1			
	102635	NUT, 3/8"-16 HEX. (12.9120)												1
	117049	NUT, 3/8"-24 HEX. (12.9120)	1											
		2.5100 - TUBE, PUMP TO FILTER												
	5133422 *	TUBE (DEV. L. 14.64") (PRIMER PUMP TO FILTER)	1											
	5128336 *	TUBE (DEV. L. 16.46") (PUMP TO JUNCTION)												1
	5140018 *	TUBE (DEV. L. 17.46")	1				1			1		1		
	5130850 *	TUBE (DEV. L. 41.10")		1										
	5136025 *	HOSE, FLEX. (19" L.)			2				1					
	5130691	HOSE, FLEX. (21" L.)						1						
	5137882	HOSE, FLEX. (25.50"L.)				1								
	5138218	HOSE, FLEX. (38" L.)									1			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 824	826	827	829	839	843	847	850	852	854	858	865
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)												
	444040	ELBOW, 1/4"-90 DEG. STREET (12.9590)	1				1					1		
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	2			1	1	2		2	2	2		1
	188947	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)								1				
	225815	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	1											
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)ELBOW, 3/8"-90 DEG. INV. FL. TUBE(12.9480)	1											
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			2				2					
	5176522	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9425)		1										
	5179936	CONNECTOR, 3/8" SEALASTIC (12.9415)	1				1			1		1		
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)	1				1			1		1		
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)		2										
	444258	TEE, 3/8" (12.9490)		1										
	5145009	PLUG, 1/8" PIPE (12.9550)								1				
	5145014	PLUG, 3/8" PIPE (12.9550)		1										
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)	1				1			1		1		
	5176523	NUT, 1/2" TUBE SEALASTIC (12.9445)		2										
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)								1				
	5114551	TAG (7.4545)									1			
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	5153473	CLIP, 1/2" (4.6040)						1			1			
	5138091	CLAMP (2.5220)			4									
	5138090	CLAMP (2.5220)			4									
	110492	SCREW, #10-24X1 1/8" (12.9010)			2									
	5168001	CLIP, 1/2" (12.4095)		2										
	180120	BOLT, 3/8"-16X3/4" (12.9001)		2										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									1			
	120391	WASHER, 7/32" FLAT (12.9190)			2									
	120217	LOCKWASHER, #10 (12.9200)			2									
	103321	LOCKWASHER, 3/8" (12.9200)		2										
	110633	NUT, #10-24 HEX. (12.9120)			2									
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
	5128335	* TUBE (DEV. L. 12.62") (RIGHT BANK)											1	
10A	5122331	* TUBE (DEV. L. 12.72") (RIGHT BANK)	1				1			1		1		
	5128334	* TUBE (DEV. L. 25.36") (LEFT BANK)											1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 824	826	827	829	839	843	847	850	852	854	858	865
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)												
	5125020	TUBE (DEV. L. 26.50") (RB ENGINE)			2									
10A	**5125692** *	TUBE (DEV. L. 30.50") (LEFT BANK)	1				1			1		1		
	5125018	TUBE (DEV. L. 39.68") (LB ENGINE)			2									
	5137883	HOSE (9.50" L.) (JUNCTION BLOCK)				1								
	5137493	HOSE (10.50" L.) (RIGHT BANK)				1								
	5134208 *	HOSE, FLEX. (15 1/4" L.) (RIGHT BANK)				1		1						
	5133915	HOSE, FLEX. (19" L.) (LEFT BANK)								1				
	5134209 *	HOSE, FLEX. (22" L.) (LEFT BANK)						1						
	5131840	HOSE (25.25"L.) (LEFT BANK)				1								
	5189175 *	HOSE, FLEX. (25 5/16"L.) (RIGHT BANK)		1										
	5133453 *	HOSE, FLEX. (27.50"L.) (RIGHT BANK)							1					
	5131575	HOSE, FLEX. (39.25"L.) (LEFT BANK)							1		1			
	5110183 *	HOSE, FLEX. (58"L.) (LEFT BANK)		1										
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)		1										
	2011306	ELBOW, 1/4" PIPE 45 DEG. STREET (12.9590)		1										
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)			2	1					1			
10A	**193004**	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	2			1	2	2	1	1	2	2		
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			4									
	5125884	ELBOW, 3/8"-90 DEG. (2.5150)		1										
	118755	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9390)		2										
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2		2		2	2	1	2	2	2		2
10A	**137407**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1					
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)		1										
	5117567	CONNECTOR, 3/8" FL. TUBE (3.5720)		1										
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)							1					
	442348	TEE, 3/8"X3/8"X1/4" (12.9490)							1					
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)							1					
	444136	TEE, 3/8"X3/8" (12.9616)			2									
	444150	TEE, 3/8" PIPE (12.9616)		1										
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5180 - CLIP, FILTER TO CYL. HEAD TUBE												
	5134759	CLIP (2.5156)	1				1					1		1
	5153473	CLIP, 1/2" (4.6040)						1			1			
	3290076	CLIP, 5/8" (4.8040)		1										

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8244	8266	8277	8289	8339	8443	8477	8500	8522	8554	8588	8665
		2.5180 - CLIP, FILTER TO CYL. HEAD TUBE (CONT'D)												
	5138091	CLAMP (2.5220)	2		16									
	5138090	CLAMP (2.5220)	2				2					2		2
	5112241	CLAMP (2.5070)								4				
	5133575	BRACKET, CLIP	1				1					1		
	5134647 *	BRACKET, CLIP												1
	5114551	TAG (7.4545)		2							2			
	110502	SCREW, #10-24X3/4" (12.9025)								2				
	436574	SCREW, #10-24X1" RD. HD. (12.9025)					1					1		1
	110492	SCREW, #10-24X1 1/8" FIL. HD. (12.9010)	1		13									
	123435	BOLT, 1/4"-28X5/8" (12.9001)	1				1					1		1
	120391	WASHER, 7/32" (12.9190)	1		13							1		1
	120392	WASHER, 9/32" FLAT (12.9190)	2				2					2		2
	120217	LOCKWASHER, #10 (12.9200)	1		13		1			2		1		1
	120380	LOCKWASHER, 1/4" (12.9200)	1				1					1		1
	110633	NUT, #10-24 HEX. (12.9120)	1		13		1			2		1		1
	121902	NUT, 1/4"-28 HEX. (12.9120)	1				1					1		1
		* OBSOLETE.												
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
	5128332 *	TUBE (DEV. L. 9.72")												1
	5129437 *	TUBE (DEV. L. 18.77")			2								1	1
	5125580 *	TUBE (DEV. L. 19.77")	1				1	1		1	1	1		
	5131253 *	HOSE, FLEX. (14" L.)				1			1					
	3290459	CLIP, 5/16" (2.5220)								1			AR	
	5134840	CLIP, 5/16" (2.5220)	1				1	1			1	1		1
	5166565	BRACKET, CLIP								1				
	5133596 @	BRACKET, CLIP											1	
	5133574	BRACKET, CLIP (2.5220)	1				1	1			1	1		1
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	1		2	1	1	1	1	1	1	1	1	1
	143340	ELBOW, 1/2" TUBE 90 DEG. (12.9480)												1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1		2	1	1	1	1	1	1	1	1	1
	5129843	TEE, 5/16" RESTRICTED (.080") (12.5210)	1			1	1	1		1	1	1	1	1
	5124232	TEE, 5/16" RESTRICTED (.01065") (2.4015)			2				1					
	5145014	PLUG, 3/8" PIPE (12.9550)	1		2	1	1	1	1			1		1
	181595	BOLT, 5/16"-24X3/4" (12.9001)											1	
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1				1	1		1	1	1		1
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)								1				
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	1				1	1		1	1	1	1	1
	120393	WASHER, 5/16" (12.9190)											2	
	103341	WASHER, 3/8" FLAT (12.9190)	2				2	2		1	3	2	1	2
	103320	LOCKWASHER, 5/16" (12.9200)											1	
	103321	LOCKWASHER, 3/8" (12.9200)	1				1	1		1	1	1		1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 824	826	827	829	839	843	847	850	852	854	858	865
		2.5220 - CLIP, FUEL DRAIN TUBE (CONT'D)												
	114493	NUT, 5/16"-24 HEX. (12.9120)											1	
	117049	NUT, 3/8"-24 HEX. (12.9120)	1				1	1		1	1	1		1
		* NOT SERVICED, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ OBSOLETE.												
		2.5210 - TUBE, FUEL DRAIN												
	5129772	* TUBE (DEV. L. 17.50") (LC ENGINE)			1									
	5100247	* TUBE (DEV. L. 21.40") (LEFT BANK HEAD TO JUNCTION BLOCK)		1										
	5103904	TUBE (DEV. L. 26.20") (FUEL RETURN)			1		1	1		1				
	5100248	* TUBE (DEV. L. 30.30") (RIGHT REAR BANK HEAD TO JUNCTION BLOCK)		1										
	5129670	* TUBE (DEV. L. 40.24") (FRONT ENGINE)			1									
	5129773	* TUBE (DEV. L. 48") (REAR ENGINE)			1									
	5162746	* TUBE (DEV. L. 49.08")	1											
	9432264	CONNECTOR, 5/16" TUBE (12.9460)		2			1	1		1				
	442337	UNION, 5/16" INV. FL. TUBE (12.9475)			2									
	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	1											
	5169475	CONNECTOR			2									
	143337	ELBOW 45 DEG, 5/16"			2									
	5116440	ELBOW, 5/16" (.070" RESTRICTED)		2										
	103327	LOCKWASHER, 7/8" (12.9200)			2									
		* NOT SERVICED; FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE												
	5188017	HOSE, FLEX. (12"L.)		1					1		1	1		
	5186063	HOSE, FLEX. (14"L.)						1			1			
	5118782	* HOSE, FLEX. (14"L.)												
	5124392	HOSE, FLEX. (15"L.)												
	5131517	HOSE, FLEX. (5/16"X18 9/16"L.)			2									
	5132614	HOSE, FLEX. (#5 X 30") (7.8300)			2									
	5132615	HOSE, FLEX. (#5 X 30") (7.8300)			2									
	5132091	HOSE, FLEX. (54.25" L.) (2.5100)			2									
	118752	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1										
	444000	ADAPTOR (12.9460)			4									
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)			4									
	5147206	TUBING, SPIRAL WRAP (2.5255)							2					
		* NOT SERVICED; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8244	8266	8277	8299	8399	8443	8477	8500	8522	8544	8588	8665
		2.5220 - CLIP, FUEL DRAIN TUBE												
	3290076	CLIP, (4.8040)									1			
	3290459	CLIP, 5/16"			4		2	2						
	5159490	CLIP, 5/16" (7.4076)	2											
	5182629	CLIP, 5/16" (12.4080)			3									
	5161872	CLIP, 3/8"		2										
	5151883	CLIP, 3/8" (2.5070)			1									
	140582	CLIP, 1/2" CLOSED (3/8" BOLT) (12.9630)									2			
	5178595	BRACKET (2.5030)			1									
	5133596	BRACKET, CLIP (2.5180)			1									
	454894	BOLT, 1/4"-20X3/4" (12.9001)		1										
	181333	BOLT, 5/16"-24X5/8" (12.9001)			1									
	181595	BOLT, 5/16"-24X3/4" (12.9001)			1									
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)			1									
	120393	WASHER, 5/16" (12.9190)			2									
	103341	WASHER, 3/8" (12.9190)			?									
	179835	BOLT, 3/8"-11X5/8" (12.9001)	2											
	120380	LOCKWASHER, 1/4" (12.9200)		1										
	103320	LOCKWASHER, 5/16" (12.9200)			2									
	103321	LOCKWASHER, 3/8" (12.9200)	2											
	123179	NUT, 1/4"-20 HEX. (12.9120)		1										
	121917	NUT, 5/16"-24 HEX. (12.9120)			2									
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION												
	5100246	BLOCK		1										
	5109211	* BLOCK			1									
	5126977	BLOCK				1								1
	9432264	CONNECTOR, 5/16" TUBE (12.9460)				1								
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)				1								
	143337	ELBOW												1
	5145010	PLUG, 1/4" PIPE (12.9550)		1		4								1
	5145014	PLUG, 3/8" PIPE (12.9550)				1								1
	215386	BOLT, 5/16"-18X6" (12.9001)		1										
	100030	BOLT, 3/8"-24X2" (12.9001)			1									
	179887	BOLT, 1/2"-13X1 3/4" (12.9001)				1								1
	103323	LOCKWASHER, 1/2" (12.9200)				1								1
	103321	LOCKWASHER, 3/8" (12.9200)			2									

* NOT SERVICED. SUPERSEDED BY 5147329 AND INCLUDE 1-5145010, 1-5145014.

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8244	8266	8277	8289	8399	8443	8477	8500	8522	8544	8588	8665
		2.5252 - BRACKET, FUEL SYSTEM JUNCTION BLOCK												
	5129768	BRACKET			1									
	5126976	BRACKET				1								1
	2090390	CONNECTOR, 1/4" PIPE (IN BRACKET)				3								3
	180121	BOLT, 3/8"-16X7/8" (12.9001)				2								2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			2									
	103321	LOCKWASHER, 3/8" (12.9200)			2	2								2
	131047	LOCKWASHER, 7/8" (12.9200)				3								3
	219759	NUT, 7/8"-16 HEX. (12.9120)				3								3
		2.5260 - VALVE, FUEL SYSTEM SHUT-OFF												
	5109335	VALVE, 3/8" GLOBE												2
	120278	NIPPLE, 3/8"X2" (12.9460)												2
	5130294	ELBOW, 1/2" TUBE 45 DEG.												2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8666	8741	8811	8883	8884	8886	8888	8893	9005	9008	9110	9113
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5135308	VALVE (SWING)					1	1						
	444150	TEE, 3/8" PIPE (12.9616)					1	1						
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)					1	1						
	5136241	PLUG (2.2001)					1	1						
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER												
	5136036 #	HOSE, FLEX. (26"L.)									1			
	109429 #	ELBOW, 5/8"-90 DEG. INV. FL. TUBE (12.9480)									2			
	5108397 #	CONNECTOR, 1 1/2" (12.5215)									1			
	427654 #	NUT, 1 1/8"-12 SLOTTED HEX. (12.9120)									1			
		# USE ONLY WHEN BASE IS FURNISHED.												
		2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE												
	5151189 #	CLIP, 3/4" (4.8040)									1			
		# USE ONLY WHEN BASE IS FURNISHED.												
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP												
	5138112 *	TUBE (DEV. L. 10.38")					1							
	5135870 *	TUBE (DEV. L. 27.50")									1			
	5115873	HOSE, FLEX. (20"L.)								AR				
	5138070	HOSE, FLEX. (22"L.)					1							
	5137421 *	HOSE, FLEX. (25 1/4"L.)						1						
	5136026 *	HOSE, FLEX. (27"L.)	1											
	5123319	HOSE, FLEX. (53 1/2"L.)											1	
	5185389	HOSE, FLEX. (57 1/2"L.)							1					
	444042	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)							1	1				
	9434182	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)										1		
	143340	ELBOW, 1/2"-45 DEG. INV. FL. TUBE (12.9480)					2							
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)	2		1				1	1	2		1	
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)											1	
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)						1						
	5125883	CONNECTOR (2.5150)							1	1			1	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 866	874	881	883	884	886	888	893	905	908	910	913
		2.5060 - TUBE, FUEL PUMP INLET												
	5135347 *	TUBE (DEV. L. 38.20")										1		
	5117746 *	HOSE, FLEX. (13 3/4"L.)										1		
	5132040 *	HOSE, FLEX. (34"L.)				1								
	9434182	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)										1		
	143340	ELBOW, 1/2"-45 DEG. INV. FL. TUBE (12.9480)						1						
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)				1								1
	187396	COUPLING, 3/8"X1 3/16" PIPE (12.9580)				1								
	442341	UNION, 5/8" INV. FL. TUBE (12.9475)										1		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
	3291251	CLIP, 5/8" (1.1060)	1				1	1						
	3290076	CLIP (4.8040)							4					
	5153473	CLIP (4.6040)									1			
	5171509	CLIP, 5/8" (9.1591)										2		
	5151189	CLIP, 3/4" (4.8040)											4	
	5160425	SPACER										1		
	5113488	SPACER										1		
	179835	BOLT, 3/8"-16X5/8" (12.9001)										1		
	180120	BOLT, 3/8"-16X3/4" (12.9001)							1					
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)										1		
	103321	LOCKWASHER, 3/8" (12.9200)							1			1		
		2.5100 - TUBE, PUMP TO FILTER												
	5140018 *	TUBE (DEV. L. 17.46")												1
	5135869 *	TUBE (DEV. L. 20.86")									1			
	5100242 *	TUBE (DEV. L. 42.60")										1		
	5137312 *	HOSE, FLEX. (16 1/4"L.)					1	1						
	5109971 *	HOSE, FLEX. (18 7/16"L.)								1				
	5131517	HOSE, FLEX. (18 9/16"L.)	1			1								
	5136025 *	HOSE, FLEX. (19"L.)			1									
	5134209 *	HOSE, FLEX. (22"L.)											1	
	5123319	HOSE, FLEX. (53 1/2"L.)							1					
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)								1				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 866	874	881	883	884	886	888	893	905	908	910	913
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)												
		(12.9590)												
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	2		2	2					2			
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)					2	2					2	2
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)								1				
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)							1					
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)							1					
	5176522	ELBOW, 1/2" TUBE 90 DEG. SEALASTIC (12.9425)										1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1											
	5179936	CONNECTOR, 3/8" SEALASTIC (12.9415)												1
	5125883	CONNECTOR, 1/2" (2.5150)							1					
	5176521	CONNECTOR, 1/2" TUBE SEALASTIC (12.9415)										1		
	5145009	PLUG, 1/8" PIPE (12.9550)												1
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)												1
	5176523	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)										2		
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)	1											
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1											
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)												1
	444148	TEE, 1/4" PIPE (12.9616)												1
	444136	TEE, 3/8" PIPE (12.9616)	1											
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)												1
	5176524	NUT, 1/2" TUBE SEALASTIC (12.9445)										2		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	3290076	CLIP (4.8040)							2					
	5168001	CLIP, 1/2" (4.8040)										2		
	140573	CLIP, 5/8" (12.9630)											1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)										2		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							1					
	103321	LOCKWASHER, 3/8" (12.9200)										2		
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
	5122331 *	TUBE, (DEV. L. 12.72") (RIGHT BANK)					1	1						1
	5124743 *	TUBE, (DEV. L. 19.56") (EIGHT BANK)										1		
	5125517 *	TUBE (DEV. L. 25.74") (RIGHT BANK)									1			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 866	874	881	883	884	886	888	893	905	908	910	913
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)												
	5125692	* TUBE (DEV. L. 30.50") (LEFT BANK)						1						1
	5125516	* TUBE (DEV. L. 38.50") (LEFT BANK)									1			
	5134208	* HOSE, FLEX. (15 1/4"L.) (LEFT BANK)											1	
	5109971	* HOSE, FLEX. (18 7/16"L.) (RIGHT BANK)								1				
	5109972	* HOSE, FLEX. (24 1/2"L.) (LEFT BANK)								1				
	5189175	* HOSE, FLEX. (25 5/16"L.) (RIGHT BANK)										1		
	5133453	* HOSE, FLEX. (27.50"L.) (RIGHT BANK)	1		1	1								
	5118742	* HOSE, FLEX. (35 1/2"L.) (LEFT BANK)							1					
	5131575	HOSE, FLEX. (39 1/4"L.) (LEFT BANK) (7.8300)	1		1	1								
	5185392	* HOSE, FLEX. (46"L.) (RIGHT BANK)							1					
	5110183	* HOSE, FLEX. (58"L.) (LEFT BANK)										1		
	2011306	# ELBOW, 1/4" PIPE 45 DEG. STREET (12.9590)										1		
	444040	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)							1					
	119113	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)							1					
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)								1		1		
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1		1	1	2	2			1		1	2
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)								2		1		
	5125884	ELBOW, 3/8"-90 DEG. (2.5150)										1		
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)							1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1		1	1	2	2			1		1	2
	5117567	CONNECTOR, 3/8" FL. TUBE (3.5720)										1		
	118752	CONNECTOR, 1/2" TUBE (12.9460)							1					
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1		1	1					1			
	178690	TEE, TWO WAY RESTRICTED (12.9490)											1	
	442348	TEE, 3/8" TUBE TWO WAY (12.9490)	1		1	1					1			
	444122	TEE, 3/8" PIPE (12.9540)						1						
	444150	TEE, 3/8" PIPE (12.9616)										1		
	120278	NIPPLE, 3/8"X2" PIPE (12.9560)							1					
	3304086	ADAPTOR (1/4"X3/8") (7.4590)							2					
		* NOT SERVICED: CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		# USE ONLY WHEN FRONT COVER IS FURNISHED.												
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE												
	3290076	CLIP (4.8040)							3			1		
	5134759	CLIP, 3/8" NEOPRENE (2.5156)					1	1					1	1
	5151883	CLIP, 3/8" (2.5070)									2			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 866	874	881	883	884	886	888	893	905	908	910	913
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE (CONT'D)												
	5138090	CLAMP (2.5220)					2	2			2			2
	5133575	BRACKET, CLIP					1	1						1
	5178595	BRACKET, CLIP (2.5030)									1			
	5133513	* BRACKET, CLIP											1	
	5114551	TAG, CABLE (7.4545)							1	1		2		
	436574	SCREW #10-24X1" (12.9010)					1	1			1			1
	123435	BOLT, 1/4"-28X5/8" (12.9001)					1	1					1	1
	181333	BOLT, 5/16"-24X5/8" (12.9001)									1			
	186627	BOLT, 3/8"-24X1" (12.9001)							1					
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)					1	1						
	120391	WASHER, 7/32" (12.9190)					1	1			1			
	120392	WASHER, 9/32" (12.9190)					2	2					2	2
	120393	WASHER, 5/16" FLAT (12.9190)									2			
	120217	LOCKWASHER, #10 (12.9200)					1	1			1			1
	120380	LOCKWASHER, 1/4" (12.9200)					1	1					1	1
	103320	LOCKWASHER, 5/16" (12.9200)									1			
	103321	LOCKWASHER, 3/8" (12.9200)							1					
	121902	NUT, 1/4"-28 HEX. (12.9120)					1	1					1	1
	110633	NUT, #10-24 HEX. (12.9120)					1	1			1			1
	114493	NUT, 5/16"-24 HEX. (12.9120)									1			
	117049	NUT, 3/8"-24 HEX. (12.9120)							1					
		* NO LONGER AVAILABLE FOR SERVICE.												
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
	5129437	* TUBE, (18.77" DEV. L.)				1					1			
	5129248	* TUBE, (19.40" DEV. L.)							1				1	
	5125580	* TUBE, (19.77" DEV. L.)					1	1		1				1
	5131253	* HOSE, FLEX. (14"L.)	1		1									
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1		1	1	1	1	1	1	1		1	1
	5182629	CLIP, 5/16" (12.4080)							1					
	5134840	CLIP, 5/16" (2.5220)											1	1
	5108443	BRACKET, CLIP (2.5220)							1					
	5133596	@ BRACKET, CLIP									1			
	5133383	BRACKET, CLIP (2.5220)											1	
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1		1		1	1	1	1	1		1	1
	5124232	TEE, 5/16" RESTRICTED (.106") (2.5210)	1		1	1			1		1			
	5129843	TEE, 5/16" RESTRICTED (.080")					1	1		1			1	1
	5145009	PLUG, 1/8" PIPE (12.9550)						1						
	5145014	PLUG, 3/8" PIPE (12.9550)	1		1		1				1		1	1
	186618	BOLT, 5/16"-18X5/8" (12.9001)											1	
	181333	BOLT, 5/16"-24X5/8" (12.9001)							1					
	181360	BOLT, 3/8"-24X3/4" (12.9001)												1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)									1		1	
	120393	WASHER, 5/16" (12.9190)											1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 866	874	881	883	884	886	888	893	905	908	910	913
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)												
	103341	WASHER, 3/8" FLAT (12.9190)									1		1	1
	103320	LOCKWASHER, 5/16" (12.9200)							1				1	
	103321	LOCKWASHER, 3/8" (12.9200)												1
	114493	NUT, 5/16"-24 HEX. (12.9120)							1					
	117049	NUT, 3/8"-24 HEX. (12.9120)												1
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550												
		@ NO LONGER AVAILABLE FOR SERVICE.												
		2.5210 - TUBE, FUEL DRAIN												
	5100247 *	TUBE, (DEV. L. 21.40") (RIGHT BANK)										1		
	5103904	TUBE, (DEV. L. 26.20")							1	1	1			
	5100248 *	TUBE, (DEV. L. 30.30") (LEFT BANK)										1		
	5134262 *	TUBE, (DEV. L. 33.12")											1	
	5162746 *	TUBE, (DEV. L. 49.08")					1	1						
	5136240	PLUG, 1/2" PIPE (2.2001)					1	1						
	5116440	ELBOW, 5/16" (.070" RESTRICTION)										2		
	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)					1	1			1			
	9432264	CONNECTOR, 5/16" TUBE (12.9460)								1	1	2		
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)									1			
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550												
		2.5212 - COOLER ASSY., FUEL												
	5136348	COOLER ASSY.		1										
	8534392	COOLER ASSY. (4.4001)				1								
	5162978	HOUSING, (4.4050)				1								
	5150155	GASKET, (4.4030)				1								
	179816	BOLT, 5/16"-18X3/4" (12.9001)				8								
	120380	LOCKWASHER, 1/4" (12.9200)				8								
		2.5214 - TUBE, FUEL COOLER												
	5186063	HOSE, FLEX. (14" L.) (OUTLET)		1										
	5136732	HOSE, FLEX. (20" L.) (INLET)		1										
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)		1										
	9432245	ELBOW, 5/16"-90 DEG. INV. FL TUBE (12.9480)		1										
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE												
	5188017	HOSE, FLEX. (12"L.) (8.3830)										1		
	5186063	HOSE, FLEX. (14"L.)	1											
	5118782 *	HOSE, FLEX. (14"L.)								1				

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2.5000A FUEL LINES

PART NUMBER	NAME AND DESCRIPTION	TYPES 8666	8744	8811	8833	8844	8866	8888	8933	9055	9088	9110	9133
	2.5215 - TUBE, FUEL DRAIN FLEXIBLE (CONT'D)												
5128915	# HOSE, FLEX. (25 1/2"L.)									1			
5139021	* HOSE, FLEX. (28"L.)												1
5131831	* HOSE, FLEX. (42"L.)			1	1								
5169475	* CONNECTOR (2.5210)									1			
118752	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1		
187395	COUPLING, 1/4"X1 3/16" PIPE (12.9580)				1								
5114551	TAG, CABLE (7.4545)	AR											
116332	BUSHING, 3/8"X1/4" RED. PIPE (12.9570)				1								
444000	ADAPTOR, 3/8"X1/4"-18 (12.9460)			1									
103327	# LOCKWASHER, 7/8" (12.9200)									1			
122432	# NUT, 7/8"-14 HEX. (12.9120)									1			
	* NOT SERVICED; CUSTOMER TO FABRICATE.												
	# USE ONLY WHEN BASE IS FURNISHED.												
	2.5220 - CLIP, FUEL DRAIN TUBE												
5161872	CLIP (2.5220)										2		
5134840	CLIP, 5/16" (2.5220)				1	1	1		1	1			
5159490	CLIP, 5/16" (7.4076)					2	2						
3290459	CLIP, 5/16" (2.5220)							2	2	2		2	
5161873	CLIP, 7/16" (7.4412)												3
5153473	CLIP, 1/2" (4.6040)	2											
140582	CLIP, 1/2" (12.9630)			2	2								
5108443	BRACKET							1					
5133596	@ BRACKET, CLIP (CROSSOVER TUBE) (2.5180)				1								
5133574	BRACKET, CLIP (2.5220)					1	1		1				1
5114551	TAG, CABLE (7.4545)				3								
454894	BOLT, 1/4"-20X3/4" (12.9001)										1		
179833	BOLT, 3/8"-16X1/2" (12.9001)												1
179835	BOLT, 3/8"-16X5/8" (12.9001)					2	2						
181360	BOLT, 3/8"-24X3/4" (12.9001)				1	1	1		1	1			
181374	BOLT, 3/8"-24X1 1/2" (12.9001)								1				1
103341	WASHER, 3/8" FLAT (12.9190)				AR	AR	AR		AR	AR			AR
120380	LOCKWASHER, 1/4" (12.9200)										AR		
103320	LOCKWASHER, 5/16" (12.9200)												AR
103321	LOCKWASHER, 3/8" (12.9200)				AR	AR	AR		AR	AR			
117049	NUT, 3/8"-24 HEX. (12.9120)				1	1	1		1	1			
120375	NUT, 1/4"-20 HEX. (12.9120)										1		
	@ NO LONGER AVAILABLE FOR SERVICE.												
	2.5250 - BLOCK, FUEL SYSTEM JUNCTION												
5100246	BLOCK										1		
5121182	PLUG, 1/4" PIPE (12.9550)										1		
215386	BOLT, 5/16"-18X6" (12.9001)										1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 866	874	881	883	884	886	888	893	905	908	910	913
		2.5410 - TUBE, AUXILIARY FUEL PUMP TO PRIMER PUMP												
	5138112 *	TUBE (DEV. L. 10.38")					1	1						
	225815	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)					1							
	188968	CONNECTOR					1	1						
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5420 - TUBE, AUXILIARY FUEL PRIMER PUMP TO FUEL TANK												
	5138144	TUBE (DEV. L. 7.44")					1							
	5138113 *	TUBE (DEV. L. 8.18")					1							
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)					1	1						
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 915	920	925	938	943	944	953	955	956	958	961
		2.5006 - VALVE, FUEL SUPPLY CHECK											
	5135308	VALVE (SWING)					1	1					
	5135225	VALVE (CHECK)					1				1		
	5109734	VALVE (SWING)						1					
	444150	TEE, 3/8" PIPE (12.9616)											
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)						1			1		
	142365	ELBOW, 1/2"-90 DEG. RED (12.9590)									1		
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)									1		
	121208	NIPPLE, 1/2"X1 1/8" PIPE (12.9560)						1					
	5136241	PLUG (2.2001)											
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER											
	5125782	HOSE, FLEX. (14"L.)								1			
	5132091	HOSE, FLEX. (54 1/4"L.) (2.5100)							1				
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)							1				
		2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE											
	5171509	CLIP, 5/8" (9.1591)							1				
	5173022	SUPPORT, CLIP (5.5379)							1				
	180121	BOLT, 3/8"-16X7/8" (12.9001)							1				
	103321	LOCKWASHER, 3/8" (12.9200)							1				
	102635	NUT, 3/8"-16 HEX. (12.9120)							1				
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP											
	5140236 *	TUBE (DEV. L. 12.50")						1					
	5134461 *	TUBE (DEV. L. 24.84")					1						
	5137771 *	TUBE (DEV. L. 36.10")						1					
	5138076 *	HOSE, FLEX. (19 1/2"L.)			1							AR	
	5115873	HOSE, FLEX. (20"L.)							1				
	5134436	HOSE, FLEX. (24 1/4"L.)				1							
	5137956 *	HOSE, FLEX. (25"L.)											1
	5132040 *	HOSE, FLEX. (34"L.)									1		
	5139606 *	HOSE, FLEX. (48.25"L.)											
	444042	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)						1				1	1
	143340	ELBOW, 1/2"-45 DEG. INV. FL. TUBE (12.9480)					1						
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)				2			2				
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)			1		1				1	1	1

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2.5000A FUEL LINES

PART NUMBER	NAME AND DESCRIPTION	TYPES 915	920	925	938	943	944	953	955	956	958	961
	2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP (CONT'D)											
5138299 @	ELBOW ASSY., 1/2" SEALASTIC (12.9425)						1					
431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)			1							1	
5125883	CONNECTOR (2.5150)											
5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)						1					
	* OBSOLETE CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
	@ INCLUDES SEAL RING IN 2.5050 PLUS NUT NOT SOLD SEPARATELY.											
	2.5060 - TUBE, FUEL PUMP INLET											
5125590 *	TUBE (DEV. L. 18.58")						1		1			
225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)						1		1			
442340	UNION, 1/2" INV. FL. TUBE (12.9475)						1					
188968	CONNECTOR, 3/8" (12.9460)						1					
	* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
	2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE											
3291251	CLIP, 5/8" (1.1060)											2
5153473	CLIP (4.6040)					1	1					1
5131426	CLIP, 1/2" (4.6040)						1					
5171509	CLIP, 5/8" (9.1591)				1							
5114551	TAG, (7.4545)				2							
120392	WASHER, 9/32"X5/8" FLAT (12.9190)			1								
	2.5100 - TUBE, PUMP TO FILTER											
5140018 *	TUBE (DEV. L. 17.46")					1	1		1		1	
5140235 *	TUBE (DEV. L. 43.23")						1					
5136025 *	HOSE, FLEX. (19"L.)							1				1
5189177	HOSE, FLEX. (21 5/16"L.)											
5130687	HOSE, FLEX. (22 3/4"L.)	1										
5138077 *	HOSE, FLEX. (23"L.)			1								
5131840	HOSE, FLEX. (25 1/4"L.)				1							
5139607 *	HOSE, FLEX. (35.75"L.)									1		
190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)	1										
444040	ELBOW, 1/4"-90 DEG. STREET (12.9590)					1	1		1		1	
454109	ELBOW, 1/4"-90 DEG. STREET (12.9590)						1					2
118755	ELBOW, 3/8"-90 DEG. FL. TUBE											

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 915	920	925	938	943	944	953	955	956	958	961
		2.5100 - TUBE, FUEL PUMP TO FILTER (CONT'D)											
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1	1		2	1	2	2	1	2	1	
	5138299	ELBOW, 1/2" TUBE SEALASTIC (12.9425)											1
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)			1								
	5138305	@ CONNECTOR ASSY., 3/8" SEALASTIC (12.9415)					1	1		1		1	
	9432266	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)						1					
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)											1
	5145009	PLUG, 1/8" PIPE (12.9550)	1			1							
	5121182	PLUG, 1/4" PIPE (12.9550)						1					
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)					1	1		1		1	
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)	1			1							
		* OBSOLETE CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		@ INCLUDES SEAL RING IN 2.5100 PLUS NUT NOT SOLD SEPARATELY.											
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE											
	5161872	CLIP (2.5220)						2					
	5131190	CLIP, 3/8"						1					
	5169119	CLIP, 3/8"						2					
	5171509	CLIP, 5/8" (9.1591)									2		
	5151189	CLIP, 3/4" (4.8040)									1		
	5188248	BRACKET, CLIP (7.1606)									1		
	186627	BOLT, 3/8"-24X1" (12.9001)									1		
	100002	BOLT, 1/4"-28X1" (12.9001)						1					
	120380	LOCKWASHER, 1/4" (12.9200)						1					
	103321	LOCKWASHER, 3/8" (12.9200)									1		
	121902	NUT, 1/4"-28 (12.9120)						1					
	117049	NUT, 3/8"-24 (12.9120)									1		
		2.5149 - TUBE, FILTER TO CYLINDER HEAD											
	5139618	TUBE ASSY. (DEV. L. 10.20") (RIGHT BANK)					1						
	5122331	* TUBE ASSY. (DEV. L. 12.72") (RIGHT BANK)						1		1		1	
	5139616	TUBE ASSY. (DEV. L. 12.86") (CHECK VALVE)					1						
	5139638	TUBE ASSY. (DEV. L. 19.00") (LEFT BANK)					1						
	5124743	+ TUBE ASSY. (DEV. L. 19.56") (RIGHT BANK)											1
	5125692	* TUBE ASSY. (DEV. L. 30.50") (LEFT BANK)						1		1		1	
	5199575	HOSE ASSY. (10"L.) (RIGHT BANK)							1				

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 915	920	925	938	943	944	953	955	956	958	961
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)											
	5137939	= HOSE ASSY. (15"L.) (LEFT BANK)	1										
	5137958	HOSE ASSY. (16"L.) (RIGHT BANK)			1								
	5133915	HOSE ASSY. (19"L.) (LEFT BANK)				1							
	5138034	HOSE ASSY. (23"L.) (LEFT BANK)									1		
	5189175	HOSE ASSY. (25 5/16"L.) (RIGHT BANK)											1
	5131375	HOSE ASSY. (27 1/2"L.) (RIGHT BANK)	1										
	5131830	HOSE ASSY. (27 1/2"L.) (RIGHT BANK)				1			1				
	5138078	# HOSE ASSY. (28"L.) (LEFT BANK)			1								
	5139608	HOSE ASSY. (41.75"L.) (RIGHT BANK)									1		
	5199579	FITTING, HOSE (5/8"-18 MALE INV. FL. (12.8552)							2				
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)		1									1
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	1										
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)			1	1			1				
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)											1
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			2								
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	4	4	1	3		2	3	2	3	1	
	5138298	ELBOW, 3/8" TUBE 90 DEG. SEALASTIC (12.9425)					3						
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1			1	2		2	1	2	1
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)					3						
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1										
	178690	TEE, TWO WAY RESTRICTED (12.9490)					1						1
	2194793	ADAPTOR, 5/16"-18											1
		* NOT SERVICED. CUSTOMER TO FABRICATE FROM 5199575 BULK HOSE AND USE ONE (1) EACH OF 5199579 & 5199593 FITT INGS PLUS ONE (1) 2488022 CLIP.											
		+ NOT SERVICED. CUSTOMER TO FABRICATE FROM 5199575 BULK HOSE AND USE ONE (1) EACH OF 5199579 & 5199588 FITT INGS PLUS ONE (1) 2488022 CLIP.											
		# NOT SERVICED. CUSTOMER TO CUT 24.50" FROM 5199575 BULK HOSE AND USE ONE (1) EACH OF 5199579 & 5199593 FIT TINGS.											
		= NOT SERVICED. CUSTOMER TO FABRICATE FROM BULK HOSE 5199575, TWO (2) 5199579 FITTINGS, ONE (1) 2488022 CLI P AND SD-29.											
		2.5180 - CLIP, CYLINDER HEAD INLET											
	5134759	CLIP, 3/8" NEOPRENE (2.5156)					1	1				1	1
	5168001	CLIP, 1/2" (12.4095)	1								1		
	5153473	CLIP, 1/2" (4.6040)								1			
	5171509	CLIP, 5/8" (9.1591)									1		
	5183247	CLIP, 1" (8.3801)					1						
	5138090	CLAMP (2.5220)						2		2		2	
	5133575	BRACKET, CLIP					1	1		1		1	
	5133513	BRACKET, CLIP											1
	5130179	SPACER, 3/4"X.40"X.18" (12.5023)								1			

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 915	920	925	938	943	944	953	955	956	958	961
		2.5180 - CLIP, CYLINDER HEAD INLET (CONT'D)											
	5114551	TAG, CABLE (7.4545)	2									2	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 915	920	925	938	943	944	953	955	956	958	961
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE (CONT'D)											
	436574	SCREW #10-24X1" (12.9010)						1		1		1	
	123435	BOLT, 1/4"-28X5/8" (12.9001)					1	1		1		1	1
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)					1	1		1		1	
	120391	WASHER, 7/32" (12.9190)								1		1	
	120392	WASHER, 9/32" (12.9190)					2	2		1		2	2
	103341	WASHER, 3/8" FLAT (12.9190)					2	1		1		1	
	120217	LOCKWASHER, #10 (12.9200)						1		1		1	
	120380	LOCKWASHER, 1/4" (12.9200)					1	1		1		1	1
	121902	NUT, 1/4"-28 HEX. (12.9120)					1	1		1		1	1
	110633	NUT, #10-24 HEX. (12.9120)						1		1		1	
		* NO LONGER AVAILABLE FOR SERVICE.											
		2.5205 - TUBE, FUEL DRAIN CROSSOVER											
	5129248	* TUBE, (19.40" DEV. L.)									1		1
	5125580	* TUBE, (19.77" DEV. L.)					1	1				1	
	5134748	HOSE, FLEX. (13 1/4"L.)		1									
	5131253	* HOSE, FLEX. (14"L.)	1		1	1			1				
	5130691	HOSE, FLEX. (21"L.)								1			
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)		2	1	1	1	1	1		1	1	1
	5128927	ELBOW, 5/16" RESTRICTED (.080")								1			
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)								1			
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)								1			
	5134840	CLIP, 5/16" (2.5220)					1				1	1	1
	5133383	BRACKET, CLIP (2.5220)									1		1
	5133574	BRACKET, CLIP (2.5220)					1	1				1	
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)							1				
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)		1	1	1	1	1	1	1	1	1	1
	5124232	TEE, 5/16" RESTRICTED (.106")			1								
	5129843	TEE, 5/16" RESTRICTED (.080") (12.9496)	1			1	1	1			1	1	1
	5145014	PLUG, 3/8" PIPE (12.9550)	1		1	1		1		1	1		1
	186618	BOLT, 5/16"-18X5/8" (12.9001)									1		1
	181360	BOLT, 3/8"-24X3/4" (12.9001)					1					1	
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)									1		1
	120393	WASHER, 5/16" (12.9190)									1		1
	103341	WASHER, 3/8" (12.9190)					1				1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)									1		1
	103321	LOCKWASHER, 3/8" (12.9200)					1					1	
	120376	NUT, 5/16"-18 HEX. (12.9120)									1		1
	117049	NUT, 3/8"-24 HEX. (12.9120)					1					1	
		* NOT SERVICED; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 915	920	925	938	943	944	953	955	956	958	961
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)											
		IN 12.8550.											
		2.5210 - TUBE, FUEL DRAIN											
	5103904	TUBE, (DEV. L. 26.20")					1	1		1		1	1
	5109397 *	TUBE, (DEV. L. 29.50")									1		
	5134262 *	TUBE, (DEV. L. 33.12")											
	5112892	ELBOW, 5/16" (.106" RESTRICTION) (2.4001)		1									
	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)					1						
	9432264	CONNECTOR, 5/16" TUBE (12.9460)						1		1		1	
		* NOT SERVICED; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE											
	5140104 *	HOSE, FLEX. (9 1/4"L.)							1				
	5186063	HOSE, FLEX. (14"L.)			1								
	5138212 *	HOSE, FLEX. (14"L.)		1									
	5131254	HOSE, FLEX. (82"L.)				1							
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)				1							
	5114551	TAG, CABLE (7.4545)			AR								
	5128927	ELBOW, 5/16" (.080" RESTRICTED) (2.4001)							1				
		* NOT SERVICED; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5220 - CLIP, FUEL DRAIN TUBE											
	3290459	CLIP, 5/16" (2.5220)					2	2		2	2	2	2
	5153473	CLIP, 1/2" (4.6040)		1	2								
	5160629	SPACER, 13/32"X7/32" (4.2270)									2		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)									2		
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION											
	5126977	BLOCK							1				
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)							1				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 963	968	969	975	978	979	983	992	995	998	1001	1016	1018
		2.5006 - VALVE, FUEL SUPPLY CHECK													
	5109734	VALVE												2	
	143340	ELBOW, 1/2"-45 DEG. INV. FL. TUBE (12.9480)												2	
	144100	NIPPLE, 1/2"X3/8" (12.9560)												2	
	121208	NIPPLE, 1/2"X1 1/8" (12.9560)												2	
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE													
	5136995	HOSE, FLEX. (300"L.)	1												
	5136986 *	HOSE, FLEX. (39"L.)			1										
	5133918	HOSE, FLEX. (14.00"L.) (2.5060)													1
	444042	ELBOW, 3/8"-90 DEG. (12.9590)													1
	225828	ELBOW, 1/2"-90 DEG. (12.9480)			1										
	187396	COUPLING, 3/8" PIPE (12.9580)			1										1
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE													
	5171509	CLIP, 5/8" (9.1591)			1										
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP													
4A	**5137956** *	HOSE (25"L.)			1										
4A	**5140760** *	HOSE (54.25"L.)	1												
4A	**5132091**	HOSE, FLEX. (54.25"L.)					1								
4A	**9434182**	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)										2			
4A	**225828**	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)	1		2		2						1		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		2.5060 - TUBE, FUEL PUMP INLET													
	5125590 *	TUBE (DEV. L. 18.58")									1				
	5132040 *	HOSE, FLEX. (34"L.)							1						
	5137494	HOSE, FLEX. (#8X21.00") (2.5050)													1
	444056	ELBOW, 3/8" PIPE 45 DEG. STREET (12.9590)										1		1	
	9434182	ELBOW, 3/8"-90 DEG. (12.9480)												2	
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)							1		1				2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9063	9068	9069	9075	9078	9079	9083	9092	9095	9098	10001	10016	10018
		2.5060 - TUBE, FUEL PUMP INLET (CONT'D)													
	111316	ELBOW, 3/8"-90 DEG. STREET (RC ENG.) (12.9590)												1	
	5132237	FITTING, 5/8" I.D. HOSE (2.6005)												4	
	187396	COUPLING, 3/8"X1 3/16" PIPE (12.9580)							1						
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE													
4A	5151189	CLIP, 3/4" (4.8040)	3												
4A	5171509	CLIP, 5/8" (9.1591)			1										
	5177001	CLIP, 7/8" (8.3801)												8	
4A	2362448	CLIP (12.8550)					1								
	5160408	RING (12.4055)												1	
	5166565	BRACKET	1												
	5185410	+ BRACKET (L.C. ENG.) (7.7380)												4	
	5155464	BRACKET	1												
	5126358	BRACKET (R.C. ENG.) (4.6040)												2	
	180121	BOLT, 3/8"-16X7/8" (12.9001)	1												
	179838	BOLT, 3/8"-16X7/8" (12.9001)												5	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1												
	103341	WASHER, 3/8" FLAT (12.9190)					1							5	
	103321	LOCKWASHER, 3/8" (12.9200)	2											5	
	102635	NUT, 3/8"-16 HEX. (12.9120)	2											5	
		+ OBSOLETE.													
		2.5100 - TUBE, PUMP TO FILTER													
	5140018	* TUBE (DEV. L. 17.46")			1	1					1				
4A	5130691	HOSE, FLEX. (5/16"X21") (2.5149)													1
4A	5136025	* HOSE, FLEX. (19"L.)						1	1				1		
4A	5130691	HOSE, FLEX. (21"L.)							1						
4A	5133170	* HOSE, FLEX. (40.75"L.)	1												
	5123317	HOSE, FLEX. (13/32"X44")(4.4330)												2	
4A	5141502	HOSE, FLEX. (44"L.)						1							
4A	5137927	* HOSE, FLEX. (54.75"L.)								1					
4A	5141599	* HOSE, FLEX. (60"L.)					1								
4A	444040	ELBOW, 1/4"-90 DEG. STREET (12.9590)				1					1				
4A	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1				2						1		
4A	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1		1	1		2	2	1	1				
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)												2	
4A	143340	ELBOW, 1/2"-45 DEG. INV. FL. TUBE (12.9480)						1							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9063	9068	9069	9075	9078	9079	9083	9092	9095	9098	10001	10016	10018
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)													
4A	**9402839**	ELBOW, 1/2"-90 DEG. HYD. FL. TUBE (12.9391)										1			
	5138305 @	CONNECTOR ASSY., 3/8" SEALASTIC (12.9415)			1	1					1				
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)												2	
	5179938	SEAL RING (3/8" TUBE SEALASTIC) (12.9435)			1	1					1				
	444148	TEE, 1/4" PIPE (12.9616)			1										
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)			1										
	5145009	PLUG, 1/8" PIPE (12.9550)			1										
		* OBSOLETE CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		@ INCLUDES SEAL RING IN 2.5100 PLUS NUT NOT SOLD SEPARATELY.													
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE													
4A	**3291251**	CLIP, 5/8" (1.1060)	1												
4A	**5100364**	CLIP, 5/8"	1												
4A	**5171509**	CLIP (9.1591)								1					
4A	**5151189**	CLIP, 3/4" (4.8040)						2						5	
4A	**5186803**	CLIP, 3/4" (7.7380)												1	
	5173022	BRACKET (5.5379)												2	
	5185410	BRACKET (7.7380)												4	
	122408	BOLT, 1/2"-13X1" (12.9001)	1												
	179838	BOLT, 3/8"-16X7/8" (12.9001)												6	
	103343	WASHER, 1/2" (12.9190)	1												
	103341	WASHER, 3/8" (12.9190)												6	
	103323	LOCKWASHER, 1/2" (12.9200)	1												
	103321	LOCKWASHER, 3/8" (12.9200)												6	
	117062	NUT, 3/8"-16 HEX. (12.9120)												6	
		2.5149 - TUBE, FILTER TO CYLINDER HEAD													
10A	**5122331** *	TUBE (DEV. L. 12.60") (RIGHT BANK)			1	1					1				
10A	**5125692** *	TUBE (DEV. L. 30.12") (LEFT BANK)			1	1					1				
	5189175 *	HOSE, FLEX. (25 5/16"L.) (2.5050)												2	
4A	**5133169** *	HOSE (37.75"L.) (LEFT BANK)	1												
4A	**5140761** *	HOSE (16.50"L.) (RIGHT BANK)	1												
4A	**5139201**	HOSE (63"L.) (LEFT BANK) (2.5100)					1								
4A	**5139202** *	HOSE (52"L.) (RIGHT BANK)					1								
4A	**5131829**	HOSE (12"L.) (RIGHT BANK)						1	1						1
4A	**5131830**	HOSE (27.50"L.) (LEFT BANK)						1	1						1
4A	**5132540**	HOSE (54.75"L.) (RIGHT BANK)								1					
4A	**5137130**	HOSE (31"L.) (LEFT BANK)								1					
4A	**5131575**	HOSE (39.25"L.) (LEFT BANK)											1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 963	968	969	975	978	979	983	992	995	998	1001	1016	1018
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)													
4A	5133453	HOSE (27.50"L.) (RIGHT BANK)											1		
4A	5110183	HOSE, FLEX. (3/8"X58"L.) (2.5217)												2	
4A	190367	ELBOW, 1/4" PIPE 90 DEG. INV. FL. TUBE (12.9590)								1				2	
4A	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)						1	1						1
4A	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1		2	2	1	3	3		2		1	4	3
4A	118755	ELBOW, 3/8 -90 DEG. FL. TUBE (12.9390)													
4A	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)								1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1		2	2	1			1	2		1	4	
	118750	CONNECTOR, 3/8 FL. TUBE (12.9380)													
4A	116332	BUSHING, 3/8"X1/4" RED. (12.9570)					1						1		
	178690	TEE, 3/8" TWO WAY RESTRICTED (12.9496)	1											2	
	444150	TEE, 3/8"-18 (12.9616)													
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)					1								
	442348	TEE, 3/8"X3/8"X1/4" (12.9490)					1						1		
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOW IN 12.8550													
		2.5155 - CLIP, FILTER TO FUEL MANIFOLD TUBE													
	5100364	CLIP, TUBING (2.5070)												4	
		2.5180 - CLIP, CYLINDER HEAD INLET TUBE													
	5100364	CLIP, 5/8" (2.5070)	1												
	5171509	CLIP, 5/8" (9.1591)	1												
	5134759	CLIP, 3/8" (2.5156)			1	1									
	5171509	CLIP, 5/8" (9.1591)								3					
	5151883	CLIP, 3/8" (2.5070)									1				
	5138090	CLAMP (2.5220)			2	2					2				
	5133575	BRACKET, CLIP			1	1									
	5178595	BRACKET, CLIP (2.5030)									1				
	436574	SCREW, #10-24X1" (12.9010)			1	1					1				
	123435	BOLT, 1/4"-28X5/8" (12.9001)			1	1									
	181333	BOLT, 5/16"-24X5/8" (12.9001)									1				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)								2					
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			1										
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)									1				
	186312	BOLT, 3/8"-24X4" (12.9001)								1					
	120391	WASHER, 7/32" (12.9190)				1					1				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 963	968	969	975	978	979	983	992	995	998	1001	1016	1018
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE (CONT'D)													
	120392	WASHER, 1/4" FLAT (12.9190)			2	2									
	120393	WASHER, 11/32" (12.9190)									1				
	103341	WASHER, 3/8" FLAT (12.9190)			1	1					1				
	120217	LOCKWASHER, #10 (12.9200)			1	1					1				
	120380	LOCKWASHER, 1/4" (12.9200)			1	1									
	103320	LOCKWASHER, 5/16" (12.9200)									1				
	110633	NUT, #10-24 HEX. (12.9120)			1	1					1				
	121902	NUT, 1/4"-28 HEX. (12.9120)			1	1									
	114493	NUT, 5/16"-24 HEX. (12.9120)									1				
		2.5205 - TUBE, FUEL DRAIN CROSSOVER													
	5125580 *	TUBE (DEV. L. 19.77")			1										
	5134748	HOSE, FLEX. (13.25"L.)								1					
	5131253 *	HOSE, FLEX. (14"L.)	1				1	1	1				1		1
	5134530	HOSE, FLEX. (15.75"L.)				1									
	5134531 *	HOSE, FLEX. (27"L.)									1				
	5134840	CLIP, 5/16" (NEOPRENE) (2.5220)			1										
	5171509	CLIP, 5/8" (9.1591)									1				
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)						1							
	5133574	BRACKET, CLIP (2.5220)			1										
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	1		1	1	1	1	1	2	1		1		1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)			1	1	1	1	1	1	1		1		1
	5124232	TEE, 5/16" RESTRICTED (.106") (2.5210)	1				1						1		
	5129843	TEE, 5/16" RESTRICTED (.080")			1	1			1		1				1
	5145014	PLUG, 3/8" PIPE (12.9550)			1	1	1		1		1		1		
	181360	BOLT, 3/8"-24X3/4" (12.9001)			1										
	120392	WASHER, 1/4" FLAT (12.9190)									1				
	103341	WASHER, 3/8" FLAT (12.9190)			AR										
	103321	LOCKWASHER, 3/8" (12.9200)			1										
	117049	NUT, 3/8"-24 HEX. (12.9120)			1										
		* NOT SERVICED; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.													
		2.5210 - TUBE, FUEL DRAIN													
	5100247 *	TUBE (DEV. L. 21.40") (RIGHT REAR, RIGHT BANK HEAD TO JUNCTION BLOCK)										1			
	5103904	TUBE (DEV. L. 26.20")				1					1				
	5100248 *	TUBE (DEV. L. 30.30") (FRONT, LEFT BANK HEAD TO JUNCTION BLOCK)										1			
	9432264	CONNECTOR, 5/16" TUBE (12.9460)				1					1	2			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9633	9688	9689	9755	9778	9779	9833	9922	9955	9988	10001	10116	10118
		2.5210 - TUBE, FUEL DRAIN (CONT'D)													
	5116440	ELBOW, 5/16" (.070" RESTRICTED)										2			
		* NOT SERVICED; CUSTOMER TO FABRICATE.													
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE													
	5137863	HOSE, FLEX. (24"L.) (12.4065)	1												
	5171337	HOSE, FLEX. (300"L.) (2.5010)		1											
	5139021 *	HOSE, FLEX. (28"L.)			1								1		
	5186063	HOSE, FLEX. (14"L.)					1								
	5140104 *	HOSE, FLEX. (9.25"L.)						1							
	5131831 *	HOSE, FLEX. (42"L.)							1						1
	5138212 *	HOSE, FLEX. (5/16"X14"L.)								1					
	5132614 *	HOSE, FLEX. (#5X30"L.) (7.8300)												2	
	5132615 *	HOSE, FLEX. (#5X30"L.) (7.8300)												2	
	5132091 *	HOSE, FLEX. (54 1/4"L.) (2.5100)												2	
	5112892	ELBOW, 5/16" (.01065 RESTRICTION) (2.4001)								1					
	5116440	ELBOW, 5/16" (.070" RESTRICTION) (2.5210)												4	
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)												2	
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)												4	
	5128927	ELBOW, 5/16" (.080" RESTRICTION) (2.4001)						1							
	5101020	STRAP, HOSE					6								1
	5145014	PLUG, 3/8" PIPE (12.9550)							1						1
	187395	COUPLING, 1/4"X1 3/16" PIPE (12.9580)							1						1
	444000	ADAPTOR, 1/8"-27 PIPE (12.9460)													
		* NOT SERVICED; CUSTOMER TO FABRICATE.													
		2.5220 - CLIP, FUEL DRAIN TUBE													
	5151108	CLIP, 1/2" (12.4095)	1												
	5161873	CLIP, 7/16" (7.4412)			3										
	3290459	CLIP, 5/16"				2					2				
	140582	CLIP, 1/2" (12.9630)							2						2
	5153473	CLIP, 1/2" (4.6040)								1				4	
	5151189	CLIP, 3/4" (4.8040)												4	
	5161872	CLIP (2.5220)										2			
	5130984	BRACKET												1	
	5187663	BRACKET, TUBE CLIP (4.8183)												2	
	5114551	TAG, CABLE (7.4545)											1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 963	968	969	975	978	979	983	992	995	998	1001	1016	1018
		2.5220 - CLIP, FUEL DRAIN TUBE (CONT'D)													
	443603	BOLT, 1/4"-20X3/4" (12.9001)										1			
	179833	BOLT, 3/8"-16X1/2" (12.9001)			1										
	179838	BOLT, 3/8"-16X7/8" (12.9001)												1	
	179839	BOLT, 3/8"-16X1" (12.9001)												2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)												2	
	120380	LOCKWASHER, 1/4" (12.9200)										1			
	103320	LOCKWASHER, 5/16" (12.9200)			1										
	103321	LOCKWASHER, 3/8" (12.9200)												5	
	120375	NUT, 1/4"-20 HEX. (12.9120)										1			
	102635	NUT, 3/8"-16 HEX. (12.9120)												3	
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION													
	5109211	BLOCK												1	
	5126977	BLOCK						1							
	5130999	BLOCK												1	
	5100246	BLOCK										1		2	
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)										1			
	5140348 *	ELBOW, 1/2"-90 DEG. BRASS (2.5250)						1							
	5140350	ELBOW, 5/8"-90 DEG. BRASS (2.5250)						1							
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)										1			
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)						1							
	444692	PLUG, 1/4" PIPE (12.9550)												2	
	5121182	PLUG, 1/4" PIPE (12.9550)										1			
	215386	BOLT, 5/16"-18X6" (12.9001)												1	
	454151	BOLT, 5/16"-24X1 1/2" (12.9001)												1	
	100030	BOLT, 3/8"-24X2" (12.9001)												2	
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)						1							
	103320	LOCKWASHER, 5/16" (12.9200)													1
	103321	LOCKWASHER, 3/8" (12.9200)													2
	114493	NUT, 5/16"-24 HEX. (12.9120)													1
		* OBSOLETE.													
		2.5252 - BRACKET, FUEL SYSTEM JUNCTION BLOCK													
	5129768	BRACKET													1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)													2
	103321	LOCKWASHER, 3/8" (12.9200)													2
		2.5260 - VALVE, FUEL SYSTEM SHUT-OFF													
	5108366	VALVE, GATE (4.7103)													2
	140807	NIPPLE, 1/4"X3" (12.9560)													2
	143341	ELBOW, 5/8"-45 DEG. (IN VALVE)													2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 963	968	969	975	978	979	983	992	995	998	1001	1016	1018
		2.5260 - VALVE, FUEL SYSTEM SHUT-OFF (CONT'D)													
		(12.9480)													

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10020	10021	10032	10034	10042	10048	10059	10066	10069	10084	10087
		2.5006 - VALVE, FUEL SUPPLY CHECK											
	5109734	VALVE										1	
	5135308	VALVE, 3/8"							1				
	179616	TEE, 1/2"X3/8"X3/8" (12.9616)							1				
	138105	TEE, 1/2" PIPE (12.9616)										1	
	121207	NIPPLE, 3/8"-1" PIPE (12.9560)							1				
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9590)							1				
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9590)							1				
	142269	BUSHING, 1/2"X3/8" REDUCING (12.9570)							1				
	144050	BUSHING, 1/2"X1/8" REDUCING (12.9570)										1	
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE											
	5125782	HOSE, FLEX. (14.00"L.)			1								1
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP											
	5125590 *	TUBE (DEV. L. 18.58") (2.5060)			1								
	5134462 *	TUBE (DEV. L. 26.48")						1					
	5125902	HOSE (16"L.)									1		
	5138505 *	HOSE, FLEX. (1/2"-50"L.)										1	
	444042	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)									1		
4A	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)			1			2					
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)									1		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5060 - TUBE, FUEL PUMP INLET											
	5125590 *	TUBE (DEV. L. 18.58")											1
	5142344	HOSE, FLEX. (#8X60")	1										
	5137377 *	HOSE, FLEX. (#8X26 1/2") (2.5050)				1							
	5142893 *	HOSE, FLEX. (#8X36 1/2") (2.5050)					1						
	5112120 *	HOSE, FLEX. (5/8"X19 1/2") (2.5050)							1				
	143340	ELBOW, 1/2"-45 DEG. INV. FL. TUBE (12.9480)				1							
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)	2			1	2		1				1
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9480)							2				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10200	10211	10321	10341	10421	10481	10591	10661	10691	10841	10871
		2.5180 - CLIP, CYLINDER HEAD INLET TUBE (CONT'D)											
	444136	TEE, 3/8"X3/8" (12.9616)							1				
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE											
	5169119	CLIP, 3/8" (2.5120)						1					
	5153473	CLIP, 1/2" (4.6040)			1								1
4A	**5151189**	CLIP, 3/4" (4.8040)	4			1					1	3	
	5166565	BRACKET	1							1			
	5112241	CLAMP										1	
	179835	BOLT, 3/8"-16X5/8" (12.9001)											
	180121	BOLT, 3/8"-16X7/8" (12.9001)	1										
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	1							1			
	110502	BOLT, #10-24X3/4" (12.9001)										1	
	103321	LOCKWASHER, 3/8" (12.9200)	1							1			
	120217	LOCKWASHER, #10 (12.9200)								1			
	110633	NUT, #10-24 HEX. (12.9120)											
		2.5100 - TUBE, PUMP TO FILTER											
	5140018	* TUBE (DEV. L. 17.46")			1					1			
	5135995	* TUBE (DEV. L. 20.16")											1
	5126286	* TUBE (DEV. L. 23.46")						1					
	5131517	HOSE, FLEX. (5/16"X18 9/16")				1							
4A	**5131830**	HOSE, FLEX. (5/16"X27 1/2") (2.5149)					1						
4A	**5138077**	* HOSE, FLEX. (#8X23") (2.5100)							1			1	
4A	**5142343**	HOSE, FLEX. (#8X53 3/4")	1								1		
	5134209	* HOSE, FLEX. (22"L.)											
4A	**444040**	ELBOW, 1/4"-90 DEG. STREET (12.9590)			1					1			
4A	**9432249**	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)											2
4A	**193004**	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			1	2	2	2			2		
4A	**225828**	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)	2						1				
	5114551	TAG, CABLE (7.4545)				2			2				
	5138305	@ CONNECTOR ASSY., 3/8" SEALASTIC (12.9415)			1					1			
	9432267	CONNECTOR, 3/8" TUBE											1
	5179938	SEAL RING (3/8" TUBE SEALASTIC) (12.9435)			1					1			
	5138125	TEE, 3/8"-18X1/8"-27 (7.4598)										1	
	5145009	PLUG, 1/8" PIPE (12.9550)										1	
		* OBSOLETE CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10200	10201	10232	10234	10242	10248	10259	10266	10269	10284	10287
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)											
		@ INCLUDES SEAL RING IN 2.5100 PLUS NUT NOT SOLD SEPARATELY.											
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE											
4A	**5177623**	CLIP, 3/8"						1					
4A	**140573**	CLIP, 5/8" (12.9630)								1			
4A	**5151189**	CLIP, 3/4" (4.4080)	2										
	5178595	BRACKET, CLIP (2.5030)						1					
	180016	BOLT, 1/4"-20X1/2" (12.9001)						1					
	180121	BOLT, 3/8"-16X7/8" (12.9001)	1										
	120385	WASHER (#12) (12.9190)						1					
	103321	LOCKWASHER, 3/8" (12.9200)	1										
	120375	NUT, 1/4"-20 HEX. (12.9120)						1					
	102635	NUT, 3/8"-16 HEX. (12.9120)	1										
		2.5149 - TUBE, FILTER TO CYLINDER HEAD											
10A	**5122331** *	TUBE (DEV. L. 12.60") (RIGHT BANK)			1					1			
	5126288 *	TUBE (DEV. L. 13.30")						1					
10A	**5138132** *	TUBE (DEV. L. 15.70")										1	
10A	**5125517** *	TUBE (DEV. L. 25.74") (RIGHT BANK)										1	
10A	**5138131** *	TUBE (DEV. L. 28.90")										1	
10A	**5125692** *	TUBE (DEV. L. 30.12") (LEFT BANK)			1					1			
10A	**5125516** *	TUBE (DEV. L. 38.50") (LEFT BANK)										1	
4A	**5134208** *	HOSE, FLEX. (15 1/4"L.) (LEFT BANK)									1		
4A	**5142456** *	HOSE, FLEX. (#6X9 1/2")				1							
4A	**5137958**	HOSE, FLEX. (#6X16")							1				
4A	**5132278**	HOSE, FLEX. (#6X24 3/8")					1						
4A	**5138078** *	HOSE, FLEX. (#6X28")							1				
4A	**5137387**	HOSE, FLEX. (#6X33") (2.5100)					1						
4A	**5142343** *	HOSE, FLEX. (#8X53 3/4") (2.5110)	1										
4A	**143338**	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)					2						
4A	**193004**	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			2	1	1		1	2	1	1	1
4A	**9432249**	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)							2			2	
4A	**225828**	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)	1										
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	2		1		1	2		1	1
	2310225	CONNECTOR, 1/2" INV. FL. TUBE (2.8910)	1										
4A	**116332**	BUSHING, 3/8"X1/4" RED. (12.9570)											1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1020	1021	1032	1034	1042	1048	1059	1066	1069	1084	1087
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)											
	178690	TEE, 3/8" TWO WAY RESTRICTED (12.9496)				1		1			1		1
	442348	TEE, 3/8"X3/8"X1/4" (12.9490)						1					
	2192465	TEE (7.8295)						1					
	5145009	PLUG, 1/8" PIPE (12.9550)											
		* NOT SERVICED; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550											
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER											
	5130696	HOSE, FLEX. (5/16"X23") (2.5210)	1										
	5142457 *	HOSE, FLEX. (#6X13") (2.5100)				1							
	5131253 *	HOSE ASSY., FLEX. (14"L.) (2.5210)							1				
	5124743 *	TUBE (DEV. L. 19.56") (2.5149)						1			1		
	5153473	CLIP, 1/2" (4.6040)	1										
	5145014	PLUG, 3/8" PIPE (12.9550)							1				
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	2			1			1				
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)							1				
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)						1			1		
	5124232	TEE, 5/16" RESTRICTED (.106") (2.5210)							1				
	120392	WASHER, 1/4" FLAT (12.9190)	1										
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550.											
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE											
	5134759	CLIP, 3/8" (2.5156)			1			1		1	1		
	5151883	CLIP, 3/8" (2.5070)										2	2
	5138090	CLAMP (2.5220)			2			2				2	2
	5133575	BRACKET, CLIP			1					1			
	5178595	BRACKET, CLIP (2.5030)											1
	5133513 *	BRACKET CLIP						1					
	436574	SCREW, #10-24X1" (12.9010)			1					1		1	1
	123435	BOLT, 1/4"-28X5/8" (12.9001)			1			1		1	1		
	181333	BOLT, 5/16"-24X5/8" (12.9001)										1	1
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			1			1					
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)											1
	120391	WASHER, 7/32" (12.9190)			1					1		1	1
	120392	WASHER, 1/4" FLAT (12.9190)			2			2		2	2		
	120393	WASHER, 11/32" (12.9190)										1	1
	103341	WASHER, 3/8" FLAT (12.9190)			1			1					1
	120217	LOCKWASHER, #10 (12.9200)			1					1		1	1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10200	10211	10321	10341	10421	10481	10591	10661	10691	10841	10871
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE (CONT'D)											
	120380	LOCKWASHER, 1/4" (12.9200)			1					1	1		
	103320	LOCKWASHER, 5/16" (12.9200)										1	1
	110633	NUT, #10-24 HEX. (12.9120)			1					1		1	1
	121902	NUT, 1/4"-28 HEX. (12.9120)			1			1		1	1		
	114493	NUT, 5/16"-24 HEX. (12.9120)										1	1
		* NO LONGER AVAILABLE FOR SERVICE.											
		2.5205 - TUBE, FUEL DRAIN CROSSOVER											
	5129437	* TUBE (DEV. L. 18.77")										1	
	5125580	* TUBE (DEV. L. 19.77")				1	1			1			
	5129248	* TUBE (DEV. L. 19.40")						1			1		
	5134531	* HOSE, FLEX. (27"L.)			1								1
	5121253	* HOSE, FLEX. (.50"X13") (12.4070)	1										
	5134840	CLIP, 5/16" (NEOPRENE) (2.5220)				1				1	1	1	
	5171509	CLIP, 5/8" (9.1591)			1								1
	5133383	@ BRACKET, CLIP (2.5220)									1		
	5133513	@ BRACKET, CLIP									1		
	5133596	@ BRACKET, CLIP										1	
	5178595	BRACKET, CLIP										1	
	5133574	BRACKET, CLIP (2.5220)				1				1			
	5138090	CLAMP								2			
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	1		1	1	1	1		1	1	1	1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1		1	1	1	1		1	1	1	1
	5124232	TEE, 5/16" RESTRICTED (.106") (2.5210)	1									1	1
	5129843	TEE, 5/16" RESTRICTED (.080") (12.9496)			1	1	1	1		1	1		
	5145009	PLUG, 1/8" PIPE (12.9550)	1										
	5145014	PLUG, 3/8" PIPE (12.9550)			1	1	1				1	1	1
	186618	BOLT, 5/16"-18X5/8" (12.9001)									1		
	181360	BOLT, 3/8"-24X3/4" (12.9001)				1				1		1	
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)				1				1			
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)									1	1	
	120392	WASHER, 1/4" (12.9190)			1								1
	103340	WASHER, 5/16" (12.9190)									1		
	120393	WASHER, 3/8" (12.9190)				AR				AR	AR	AR	
	103320	LOCKWASHER, 5/16" (12.9200)									1		
	103321	LOCKWASHER, 3/8" (12.9200)				1				1		1	
	120376	NUT, 5/16"-18 HEX. (12.9120)									1		
	117049	NUT, 3/8"-24 HEX. (12.9120)				1				1		1	
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550											
		@ NO LONGER AVAILABLE FOR SERVICE.											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1020	1021	1032	1034	1042	1048	1059	1066	1069	1084	1087
		2.5210 - TUBE, FUEL DRAIN											
	5129477 *	TUBE (DEV. L. 16.44")				1							
	5128176 *	TUBE (DEV. L. 19.60")						1					
	5100247 *	TUBE (DEV. L. 21.40") (RIGHT REAR, RIGHT BANK HEAD TO JUNCTION BLOCK)		1									
	5103904	TUBE (DEV. L. 26.20")			1		1			1	1		1
	5100248 *	TUBE (DEV. L. 30.30") (FRONT, LEFT BANK HEAD TO JUNCTION BLOCK)		1									
	5162746 *	TUBE (DEV. L. 49.08") (FUEL RETURN)										1	
	5118782 *	HOSE (.25"X14"L.) CONNECTOR, 5/16" TUBE (12.9460)											1
	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)										1	
	5116440	ELBOW, 5/16" (.070" RESTRICTED)		2									
		* NOT SERVICED; CUSTOMER TO FABRICATE.											
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE											
	5186063	HOSE, FLEX. (14"L.)	1										
	5118782 *	HOSE, FLEX. (.25"X14") (2.5210)			1				1				
	5186063	HOSE ASSY., FLEX. (.25"X14")	1										
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550											
		2.5220 - CLIP, FUEL DRAIN TUBE											
	5177623	CLIP, 3/8" (2.5120)								2			
	3290459	CLIP, 5/16" (2.5220)			1			1			2		2
	5153473	CLIP, 1/2" (4.6040)							1				
	5161872	CLIP (2.5220)		2									
	5159490	CLIP, 5/16" (7.4076)				1						2	
	3290459	CLIP, 5/16"					2	1					
	5134840	CLIP, 5/16" NEOPRENE											
	5124733	CLIP, 1 1/2" (4.8180)					1						
	5133383 *	BRACKET, CLIP						1					
	110504	SCREW, #10-24X1" (12.9001)						1					
	443603	BOLT, 1/4"-20X3/4" (12.9001)		1									
	179835	BOLT, 3/8"-16X5/8" (12.9001)										2	
	181360	BOLT, 3/8"-24X3/4" (12.9001)						1					
	103341	WASHER, 3/8" FLAT (12.9190)						1					
	120217	LOCKWASHER, #10 (12.9200)						1					
	120380	LOCKWASHER, 1/4" (12.9200)		1									
	103321	LOCKWASHER, 3/8" (12.9200)						1				2	
	120375	NUT, 1/4"-20 HEX. (12.9120)		1									
	117049	NUT, 3/8"-24 HEX. (12.9120)						1					
	110633	NUT, #10-24 HEX. (12.9120)						1					
		* NO LONGER AVAILABLE FOR SERVICE.											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10200	10211	10332	10334	10422	10448	10559	10666	10669	10844	10887
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION											
	5100246	BLOCK		1									
	5121182	PLUG, 1/4" PIPE (12.9550)		1									
	215386	BOLT, 5/16"-18X6" (12.9001)		1									
		2.5410 - TUBE, AUXILIARY FUEL PUMP TO PRIMER PUMP											
	5130696	HOSE ASSY., FLEX. (21"L.) (2.5210)							1				
	9409931	ELBOW, 1/8"-27 (90 DEG.) (12.9590)							1				
	9432266	CONNECTOR, 3/8" TUBE (12.9460)							1				
		2.5420 - TUBE, AUXILIARY FUEL PRIMER PUMP TO FUEL TANK											
	5134208 *	HOSE ASSY., FLEX. (15 1/4"L.) (2.5149)							1				
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)							1				
	9432266	CONNECTOR, 3/8" TUBE (12.9460)							1				

* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550.

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1102	1104	1105	1107	1111	1115	1120	1121	1122	1123	1126	1156
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5135308	VALVE											1	
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)											1	
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP												
4A	5144537	HOSE, FLEX. (25 1/2"L.)											1	
	5143784 *	HOSE, FLEX. (43"L.)							1	1	1	1		
	444056	ELBOW, 3/8" PIPE 45 DEG. STREET (12.9590)							1	1	1			
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)							1	1	1	1		
	143340	ELBOW, 1/2"-45 DEG. INV. FL. TUBE (12.9480)											1	
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)											1	
	9402801	ELBOW, 5/8"-45 DEG. INV. FL. TUBE (12.9600)								1		1		
	2325072	ELBOW, 5/8"-90 DEG. INV. FL. TUBE (12.9480)							2		2			
	2452567	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)								1				
	116487	CONNECTOR, 5/8" TUBULAR, 1/2" PIPE (12.9460)										1		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5060 - TUBE, FUEL PUMP INLET												
	5132040 *	HOSE, FLEX. (34"L.)				1		1						1
	5126739	HOSE, FLEX. (34"L.)												
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)				1		1						
	187396	COUPLING, 3/8"X1 3/16" PIPE (12.9580)				1		1						
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
	5151189	CLIP, 3/4"							2		2		2	
	3291251	CLIP, 5/8"												
		2.5100 - TUBE, PUMP TO FILTER												
4A	5131517	HOSE, FLEX. (5/16"X18 3/16"L.)		1	1			1						
4A	5130691	HOSE, FLEX. (5/16"X21") (2.5149)				1								
4A	5135210	HOSE, FLEX. (21 1/2"L.)											1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1102	1104	1105	1107	1111	1115	1120	1121	1122	1123	1126	1156
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)												
4A	**5130696**	HOSE, FLEX. (23"L.) (2.5210)												1
4A	**5136987** *	HOSE, FLEX. (45"L.)							1	1				
	5140161 *	HOSE, FLEX. (63"L.)									1	1		
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		2	2	2		2						
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)											1	
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)							1					1
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)							2	2	2	2		
	5125884	ELBOW, 3/8"-90 DEG.											1	
	444150	TEE, 3/8" PIPE (12.9616)							1					
	112304	PLUG, 3/8" PIPE (BRASS) (12.9550)							1					
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	5151189	CLIP, 3/4" (4.8040)							2	4	2	5		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							2	2	2	2		
	103341	WASHER, 3/8" FLAT (12.9190)							AR	AR	AR	AR		
	103321	LOCKWASHER, 3/8" (12.9200)							AR	AR	AR	AR		
	102635	NUT, 3/8"-16 HEX. (12.9120)							AR	AR	AR	AR		
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
4A	**5131253** *	HOSE, FLEX. (5/16"X14"L.) (RIGHT BANK)					1							
4A	**5140761** *	HOSE, FLEX. (#6X16 1/2"L.) (LEFT BANK)					1							
4A	**5131829**	HOSE, FLEX. (12"L.) (RIGHT BANK)		1	1	1								
	5137958	HOSE, FLEX. (16"L.) (RIGHT BANK)												1
	5134209 *	HOSE, FLEX. (22"L.) (RIGHT BANK)							1	1				
	5143424	HOSE, FLEX. (25 5/16"L.) (LEFT BANK) (2.5050)											1	
	5144536	HOSE, FLEX. (27"L.) (RIGHT BANK)											1	
	5131830	HOSE (27.50"L.)				1								1
	5133453 *	HOSE, FLEX. (27 1/2"L.) (RIGHT BANK)						1						
	5138078 *	HOSE, FLEX. (#6X28")		1										
	5131576	HOSE, FLEX. (31"L.) (RIGHT BANK)									1	1		
	5131575	HOSE, FLEX. (39 1/4"L.) (LEFT BANK)						1						
	5137131	HOSE, FLEX. (47"L.) (LEFT BANK)									1	1		
	5136734 *	HOSE, FLEX. (50"L.) (LEFT BANK)							1	1				
	5128521	BRACKET		1	1			1						
4A	**9432245**	ELBOW, 5/16"-90 DEG. INV. FL. TUBE					1							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1102	1104	1105	1107	1111	1115	1120	1121	1122	1123	1126	1156
	2.5149	**- TUBE, FILTER TO CYLINDER HEAD (CONT'D)**												
		(12.9480)												
4A	**143338**	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)		2	2	1								
4A	**193004**	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		2	2	3		3	1	1	1	1		
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)							2	2	2	2		3
	118755	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)											3	1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)					1	1						1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1	1	1	1	1	
	9432266	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)												
	118750	CONNECTOR, 3/8" FL. TUBE (12.9280)					1	1						
	5124232	TEE, 5/16" RESTRICTED (.106") (2.4015)						1						1
	442348	TEE, 3/8" TUBE 2 WAY (12.9490)					1							
	178690	TEE, TWO WAY RESTRICTED (12.9490)		1	1	1								
	5145009	PLUG, 3/8" PIPE (12.9550) * OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
	2.5180	**- CLIP, FILTER TO CYLINDER HEAD TUBE**												
	5171509	CLIP, 5/8" (9.1591)							2	2	2	2		
	5143841	BRACKET							2	2	4	2		
	5159347	SPACER, 13/32"X3/4"X1/2"							2	2	2	4		
	5114551	TAG, CABLE (7.4545)						3	1	1	2	2		
	179839	BOLT, 3/8"-16X1" (12.9001)									4			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							2	2	2	2		
	103341	WASHER, 3/8" (12.9190)							AR	AR	AR	AR		
	103321	LOCKWASHER, 3/8" (12.9200)							AR	AR	AR	AR		
	102635	NUT, 3/8"-16 HEX. (12.9120)									2			
	2.5205	**- TUBE, FUEL DRAIN CROSSOVER**												
	5134748	HOSE, FLEX. (13.25"L.)	1											
	5131253 *	HOSE, FLEX. (14"L.)				1							1	
	5143769	HOSE, FLEX. (14.5"L.)		1	1			1						1
	5132273 *	HOSE, FLEX. (18.25"L.) (2.5215)												1
	5128521 *	BRACKET, CLIP (2.9355)		1	1			1						1
	140571	CLIP, 1/2" (12.9630)												
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	2	1	1	1		1					1	1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1	1	1		1					1	1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1102	1104	1105	1107	1111	1115	1120	1121	1122	1123	1126	1156
		2.5420 - TUBE, AUXILIARY FUEL PRIMER PUMP TO FUEL TANK(CONT'D)												
	5129843	TEE, 5/16" RESTRICTED (.080") (12.9496)		1	1	1							1	
	5124232	TEE, 5/16" RESTRICTED (.106") (2.5210)												1
	5145014	PLUG, 3/8" PIPE (12.9550)											1	
	5114551	TAG, CABLE (7.4545)												3
	181309	BOLT, 1/4"-28X1/2" (12.9001)		1	1			1					1	
	120380	LOCKWASHER, 1/4" (12.9200)		1	1			1						1
	121902	NUT, 1/4"-28 HEX. (12.9120)		1	1			1						1
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5210 - TUBE, FUEL DRAIN												
	5138063	HOSE, FLEX. (14"L.)				1								
	5138212 *	HOSE, FLEX. (14"L.)	1											
	5137863	HOSE, FLEX. (24"L.)					1							
	5128927	ELBOW, 5/16" (.080") (RESTRICTED)	1											
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5212 - COOLER ASSY., FUEL												
	5136348	COOLER ASSY.		1	1	1		1						
		2.5214 - TUBE, FUEL COOLER												
	5173450	HOSE, FLEX. (#2X2 1/2"L.) (5.3330)		2	2	2		2						
	5136732	HOSE, FLEX. (#5X20"L.)						1						
	5137863	HOSE, FLEX. (#5X24"L.)				1		1						
	5133295	HOSE, FLEX. (#5X24"L.) (2.8910)		1	1									
	5143370	HOSE, FLEX. (#5X25"L.)			1									
	5186063	HOSE, FLEX. (1/4"X14"L.)						1						
	5144269	HOSE, FLEX. (5/16"X43"L.)		1										
	5136027	HOSE, 1"L.		1	1									
	5142561 *	BRACKET		1	1									
	9139813	CLAMP, 4" HOSE (3.5400)		4	4									
	5135647	CLAMP, 1/2" (12.9660)		4	4	4								
	5186841	CLAMP, 2 1/2" (12.9660)						4						
	5168001	CLIP, 1/2" (12.4095)		1	1	1								
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)				1		1						
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)		2	2	1		1						
	187395	COUPLING, 1/4" X 1-3/16" PIPE (12.9580)		1				1						

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1102	1104	1105	1107	1111	1115	1120	1121	1122	1123	1126	1156
		2.5214 - TUBE, FUEL COOLER (CONT'D)												
		* OBSOLETE												
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE												
	5143785	* HOSE, FLEX. (19 1/2"L.) (RIGHT BANK)							1	1	1	1		
	5139343	* HOSE, FLEX. (28 1/2"L.) (LEFT BANK)							1	1	1	1		
	5131831	* HOSE, FLEX. (42"L.) (LEFT BANK)												1
	5116440	ELBOW, 5/16" (.070" RESTRICTED)							2	2	2	2		
	9432264	CONNECTOR, 5/16" TUBE (12.9460)							2	2	2	2		
	187395	COUPLING, 1/4" PIPE (12.9580)												1
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)												1
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550												
		2.5220 - CLIP, FUEL DRAIN TUBE												
	5153473	CLIP, 1/2" TUBE, 3/8" BOLT (4.6040)	1					1	2	2	2	2		
	5151108	CLIP, 1/2" TUBE (12.4095)					1						2	2
	140582	CLIP, 1/2" (12.9630)							1	1	1	1		
	5141949	* BRACKET, CLIP							1	1	1	1		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							AR	AR	AR	AR		
	103341	WASHER, 3/8" FLAT (12.9190)							1	1	1	1		
	103321	LOCKWASHER, 3/8" (12.9200)							1	1	1	1		
	102635	NUT, 3/8"-16 HEX. (12.9120)												
		* OBSOLETE												
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION												
	5100246	BLOCK							1	1	1	1		
	5121182	PLUG, 1/4" PIPE (12.9550)							1	1	1	1		
	5145009	PLUG, 1/8" PIPE (12.9550)								1	1	1		
	5145014	PLUG, 3/8" PIPE (12.9550)							1					
	214054	BOLT, 5/16"-18X6 1/4" (12.9001)							1	1	1	1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1157	1163	1164	1166	1168	1179	1182	1188	1190	1194	1201	1206
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5135308	VALVE					1							
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP												
	5123318	HOSE, FLEX. (47"L.)			1									
	5134436	HOSE, FLEX. (24"L.)				1								
	5137421 *	HOSE, FLEX. (25"L.)					1							
	5134461 *	TUBE (DEV. L. 24.84")								1				
	5132021 *	TUBE (DEV. L. 26.27")										1		
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)					1							
	143340	ELBOW, 1/2"-45 DEG. INV. FL. TUBE (12.9480)					1			1				
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)				2				1		2		
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)			2									
	431538	CONNECTOR, 1/2" INV. FL. TUBE					1							
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5060 - TUBE, FUEL PUMP INLET												
	5132040 *	HOSE, FLEX. (34"L.)							1		1			
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)							1		1			
	187396	COUPLING, 3/8"X1 3/16" PIPE (12.9580)							1		1			
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
	5153473	CLIP, 1/2"								1		1		
	5161189	CLIP, 3/4"			1	1								
	3291251	CLIP, 5/8"			1		1							
	179838	BOLT, 3/8"-16X7/8" (12.9001)			1									
	100158	BOLT, 1/2"-13X1" (12.9001)			1									
	103321	LOCKWASHER, 3/8" (12.9200)			1									
	103323	LOCKWASHER, 1/2" (12.9200)			1									
		2.5100 - TUBE, PUMP TO FILTER												
4A	5131517	HOSE, FLEX. (5/16"X18 3/16"L.)							1					
4A	5130691	HOSE, FLEX. (5/16"X21") (2.5149)									1			
	5131830	HOSE, FLEX. (5/16"X27 1/2")											1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1157	1163	1164	1166	1168	1179	1182	1188	1190	1194	1201	1206
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)												
4A	**5137312**	* HOSE, FLEX. (#6X16.25"L.)					1							
4A	**5143620**	HOSE, FLEX. (23"L.)				1								
4A	**5123319**	HOSE, FLEX. (13/32"X53 1/2"L.)			1									
	5140018	* TUBE (DEV. L. 17.46")								1				
	5135869	* TUBE (DEV. L. 20.86")										1		
	444040	ELBOW, 1/4"-90 DEG. STREET (12.9590)								1				
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)					2			1	2		2	
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)							2			2		
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)				2								
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)			2									
	5138305	@ CONNECTOR ASSY., 3/8" SEALASTIC (12.9425)								1				
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)								1				
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL RING IN 2.5100 PLUS NUT NOT SOLD SEPARATELY.												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	2362448	CLIP, 1/2" (12.8550)				1								
	5151189	CLIP, 3/4" (4.8040)			1									
	3291251	CLIP, 5/8" (1.1060)			1									
	179839	BOLT, 3/8"-16X1" (12.9001)			1									
	103341	WASHER, 3/8" FLAT (12.9190)				1								
	103321	LOCKWASHER, 3/8" (12.9200)			1									
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
4A	**5131829**	HOSE, FLEX. (12"L.) (RIGHT BANK)									1			
4A	**5136633**	HOSE, FLEX. (18"L.) (RIGHT BANK)				1								
4A	**5130696**	HOSE, FLEX. (23"L.) (RIGHT BANK)		1							1		1	
	5131830	HOSE (27.50"L.)							1					
	5133453	* HOSE, FLEX. (27 1/2"L.) (RIGHT BANK)		1										
4A	**5130695**	HOSE, FLEX. (29"L.) (LEFT BANK)				1							1	
4A	**5143623**	HOSE, FLEX. (29"L.) (LEFT BANK)							1					
	5131519	HOSE, FLEX. (35 5/16"L.)			1									
	5131575	HOSE, FLEX. (39 1/4"L.) (LEFT BANK)			1		1			1				
4A	**5123319**	HOSE, FLEX. (46"L.) (LEFT BANK)												
4A	**5185390**	HOSE, FLEX. (66"L.) (RIGHT BANK)												
	5122331	* TUBE (12.72" DEV. L.)												

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1157	1163	1164	1166	1168	1179	1182	1188	1190	1194	1201	1206
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)												
	5125692	* TUBE (30.50" DEV. L.)					1			1				
	5125517	* TUBE (DEV. L. 25.74")										1		
	5125516	* TUBE (DEV. L. 38.50")										1		
	444054	ELBOW, 1/4"-45 DEG. STREET (12.9590)			1									
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)			1									
	5112892	ELBOW, 5/16" INV. FL. TUBE (.106" RESTRICTION)		1										
4A	**143338**	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)									1		1	
4A	**193004**	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		3			2		1	2	3	1	3	
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)				2								
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)			1									
	188947	ELBOW, 1/2"-90 DEG. INV. FL. TUBE				2								
	3304086	ADAPTOR, 1/4"X3/8" (7.4590)			2									
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)		1					1			1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					2		1	2		1		
	118752	CONNECTOR, 1/2" TUBE (12.9460)			1									
	5129184	TEE, 1/4" PIPE		4										
	442348	TEE, 3/8" TUBE 2 WAY (12.9490)							1			1		
	444122	TEE, 3/8" PIPE			1									
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE												
	5134759	CLIP, 3/8" (2.5156)					1			1				
	5151883	CLIP, 3/8" (2.5070)										1		
	2362488	CLIP, 1/2" (12.8550)				4								
	140573	CLIP, 5/8" (12.9630)		4										
	3291251	CLIP, 5/8" (1.1060)			1									
	5151189	CLIP, 3/4" (4.8040)			5									
	5138090	CLAMP (2.5220)					2			2		2		
	5178595	BRACKET										1		
	436574	SCREW, #10-24X1" (12.9010)					1			1		1		
	123435	BOLT, 1/4"-28X5/8"					1			1				
	181333	BOLT, 5/16"-24X5/8" (12.9001)										1		
	179839	BOLT, 3/8"-16X1" (12.9001)			1									
	179857	BOLT, 7/16"-14X7/8" (12.9001)			1									
	120393	WASHER, 5/16" PLAIN (12.9190)										2		
	103341	WASHER, 3/8" (12.9190)				AR								
	120391	WASHER, 7/32" (12.9190)					1			1		1		
	120392	WASHER, 9/32" PLAIN (12.9190)		4			2			4				
	5150568	WASHER, 7/16"X3/4" COPPER			1									

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1157	1163	1164	1166	1168	1179	1182	1188	1190	1194	1201	1206
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE (CONT'D)												
	120217	LOCKWASHER, #10 (12.9200)					1			1		1		
	120380	LOCKWASHER, 1/4" (12.9200)					1			1				
	103320	LOCKWASHER, 5/16" (12.9200)										1		
	103321	LOCKWASHER, 3/8" (12.9200)					1			1				
	103322	LOCKWASHER, 7/16" (12.9200)			1									
	110633	NUT, #10-24 HEX. (12.9120)					1			1		1		
	121902	NUT, 1/4"-28 HEX. (12.9120)					1			1				
	114493	NUT, 5/16"-24 HEX. (12.9120)										1		
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
	5131253	* HOSE, FLEX. (14"L.)			1						1		1	1
	5132273	* HOSE, FLEX. (18.25"L.) (2.5215)							1					
	5134436	HOSE, FLEX. (24 1/4"L.) (2.5050)	1											
	5133168	HOSE, FLEX. (24.25"L.)				1								
	5129437	* TUBE (DEV. L. 18.77")										1		
	5125580	* TUBE (DEV. L. 19.77")					1	1		1				
	5134840	CLIP, 5/16"								1				
	140571	CLIP, 1/2" (12.9630)							1					
	2488022	CLIP, 3/8" (2.5100)				1								
	140573	CLIP, 5/8" CLOSED (12.9630)	1											
	5133574	BRACKET, CLIP								1				
	5133575	BRACKET, CLIP								1				
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)			1		1	1	1	1	1	1	1	1
	5128927	ELBOW, 5/16"-.080" RESTRICTED (2.4001)	1			1								
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)				1								
	188947	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (4.3020)	1											
	2310225	CONNECTOR, 1/4" PIPE X 1/2" TUBE (2.8910)	1			1								
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1		1	1		1	1	1	1	1	1	
	444148	TEE, 1/4" PIPE (12.9616)	1											
	5104778	TEE, 1/4"X 5/8" (7.4694)				1								
	5129843	TEE, 5/16" RESTRICTED (.080") (12.9496)						1		1	1		1	
	5124232	TEE, 5/16" RESTRICTED (.106") (2.5210)			1				1			1		1
	5145014	PLUG, 3/8" PIPE (12.9550)						1		1		1	1	
	5114551	TAG, CABLE (7.4545)							3					
	181309	BOLT, 1/4"-28X1/2" (12.9001)							1					
	181360	BOLT, 3/8"-24X3/4" (12.9001)								1				
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)								1				
	120392	WASHER, 1/4" FLAT (12.9190)	1			1								
	103341	WASHER, 3/8" (12.9190)								2				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1167	1163	1164	1166	1168	1179	1182	1188	1190	1194	1201	1206
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)												
	120380	LOCKWASHER, 1/4" (12.9200)							1					
	103321	LOCKWASHER, 3/8" (12.9200)								1				
	121902	NUT, 1/4"-28 HEX. (12.9120)							1					
	117049	NUT, 3/8"-24 HEX. (12.9120)								1				
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5210 - TUBE, FUEL DRAIN												
	5131831	* HOSE, FLEX. (42"L.)			1								1	
	5162746	* TUBE (DEV. L. 49")					1							
	5103904	TUBE (DEV. L. 26")						1		1		1		
	444000	ADAPTOR, 1/4"-18 PIPE (12.9575)			1								1	
	187395	COUPLING, 1/4"X1 3/16" PIPE (12.9580)			1									
	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)					1			1		1		
	9432264	CONNECTOR, 5/16" TUBE (12.9460)						1				1		
	118750	CONNECTOR, 3/8" TUBE (12.9300)										1		
	3290459	CLIP, 5/16"								2		2		
	5136240	PLUG (IN 425250)					1							
	179838	BOLT, 3/8"-16X7/8" (12.9001)			2									
	103321	LOCKWASHER, 3/8" (12.9200)			2									
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5212 - COOLER ASSY., FUEL												
	5136348	COOLER ASSY.							1		1			
		2.5214 - TUBE, FUEL COOLER												
	5163824	HOSE, FLEX. (#2X2"L.) (5.3330)							3					
	5137624	HOSE (2 1/2"X1" SLIT)								1				
	5186063	HOSE, FLEX. (1/4"X14"L.)									1			
	5144269	HOSE, FLEX. (5/16"X43"L.)									1			
	5158752	TUBE (DEV. L. 4 1/4")							1					
	5186841	CLAMP, 2 1/2" (12.9660)							6					
	5168001	CLIP, 1/2" (12.4095)									2			
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)							2		2			
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE												
	5131845	@ HOSE, FLEX. (5/16"X78"L.)							1					
	5142094	HOSE, FLEX. (#5X19"L.)							1					
	5137863	HOSE, FLEX. (#5X24"L.) (LEFT BANK)												1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1157	1163	1164	1166	1168	1179	1182	1188	1190	1194	1201	1206
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION (CONT'D)												
	187395	COUPLING, 1/4" PIPE (12.9580)							1					
		@ OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5220 - CLIP, FUEL DRAIN TUBE												
	5134840	CLIP, 5/16"					1	1				1		
	5159490	CLIP, 5/16" (7.4076)					2							
	3290459	CLIP, 5/16"						2						
	5153473	CLIP, 1/2" TUBE, 3/8" BOLT (4.6040)							3					1
	5151108	CLIP, 1/2" TUBE (12.4095)			2				2				2	
	140582	CLIP, 1/2" (12.9630)					1	1						
	5133574	BRACKET, CLIP					1							
	5133575	BRACKET, CLIP (2.5180)							1					
	5127861	BRACKET, CLIP (7.1587)										1		
	5133596 *	BRACKET, CLIP							1					
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)					2							
	179835	BOLT, 3/8"-16X5/8" (12.9001)					1	1				1		
	181360	BOLT, 3/8"-24X3/4" (12.9001)						1						
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)					1					1		
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)					AR	AR				AR		
	103341	WASHER, 3/8" FLAT (12.9190)					3	1				1		
	103321	LOCKWASHER, 3/8" (12.9200)					1	1				1		
	117049	NUT, 3/8"-24 HEX. (12.9120)												
		* NO LONGER AVAILABLE FOR SERVICE.												

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1210	1212	1213	1216	1219	1220	1222	1223	1224	1225	1227	1229
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIB LE												
		▪ FOR TYPE 1217 USE TYPE 1213.▪												
	5199577	HOSE, BULK #10X25 FT. (21"L.)				1								1
	5199581	FITTING, HOSE 7/8"-18 INV. FL; STGHT.				2								2
	442343	ELBOW, 5/8" INV. FL. TUBE-90 DEG. (12.9480)				1								1
	442325	CONNECTOR, 5/8" INV. FL. TUBE (12.9460)				1								1
		2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE												
	5146788	CLIP, HOSE 5/8" (2.5070)				2								
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP												
	5199576	HOSE, BULK #8X25 FT. (16"L.)												1
	5199576	HOSE, BULK #8X25 FT. (17"L.)						1						
	5199576	HOSE, BULK #8X25 FT. (23"L.)			1									
	5199576	HOSE, BULK #8X25 FT. (29"L.)				1								
	5199576	HOSE, BULK #8X25 FT. (31"L.)											1	
	5199576	HOSE, BULK #8X25 FT. (33"L.)					1			1		1		
	5199576	HOSE, BULK #10X25 FT. (48"L.)							1					
	5199580	FITTING, HOSE 3/4"-18 INV. FL; STGHT.			2	1	2	1		2		2	2	1
	5199589	FITTING, HOSE 3/4"-18 INV. FL. 90 DEG.				1		1						
	5199594	FITTING, HOSE 3/4"-18 INV. FL. 45 DEG.												1
	5199581	FITTING, HOSE 7/8"-18 INV. FL; STGHT.							1					
	5199590	FITTING, HOSE 7/8"-18 INV. FL. 90 DEG.							1					
	9434182	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)							2					
	225828	ELBOW, 1/2" INV. FL. TUBE-90 DEG. (12.9480)			2	2	1	2		1		1		1
	143340	ELBOW, 1/2" INV. FL. TUBE-45 DEG. (12.9480)											1	
	5147206	TUBING, WRAP (14"L.) (7.7020)												2
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)			1		1			1		1	1	1
		2.5060 - TUBE, FUEL PUMP INLET												
	5147041	HOSE, FLEX. (36"L.)		1										
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)		1										

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12210	12212	12213	12216	12219	12220	12222	12223	12224	12225	12227	12229
		2.5060 - TUBE, FUEL PUMP INLET (CONT'D)												
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)		1										
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
	2362448	CLIP (1/2")		1	1	1	2			1		1	1	
	5146788	CLIP (5/8")				1			4					
		2.5100 - TUBE, PUMP TO FILTER												
4A	**5147042**	HOSE, FLEX. (12"L.)		1										
4A	**5199575**	HOSE, BULK #6X25 FT. (14" L.)			1		1							
4A	**5199576**	HOSE, BULK #8X25 FT. (21"L.)				1								
4A	**5199575**	HOSE, BULK #6X25 FT. (15"L.)						1		1				
4A	**5199576**	HOSE, BULK #8X25 FT. (51"L.)							1					
4A	**5199576**	HOSE, BULK #8X25 FT. (18"L.)										1	1	1
4A	**5199580**	FITTING, HOSE 3/4"-18 INV. FL. STGHT.				1			1			1	1	1
4A	**5199589**	FITTING, HOSE 3/4"-18 INV. FL. 90 DEG.				1			1					
4A	**5199579**	FITTING, HOSE 5/8"-18 INV. FL. STGHT.			1		1			1				
4A	**5199588**	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG.			1		1			1				
4A	**5199594**	FITTING, HOSE 3/4"-18 INV. FL. 45 DEG.										1	1	1
4A	**5199579**	FITTING, HOSE 5/8"-18 INV. FL. STGHT.						2						
4A	**193004**	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)		1	1		1	2		1				
	9432249	ELBOW, 3/8" INV. FL. TUBE (12.9480)					1			1				
4A	**225828**	ELBOW, 1/2" INV. FL. TUBE-90 DEG. (12.9480)				1			2			1	2	2
4A	**143340**	ELBOW, 1/2" INV. FL. TUBE-45 DEG. (12.9480)										1		
4A	**442323**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1		1							
4A	**431538**	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)				1								
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
4A	**2362448**	CLIP (2.5070)				1			3					
4A	**5143841**	BRACKET, CLIP							2					
	186612	BOLT, 3/8"-16X1 1/4" (12.9001)							2					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12210	12212	12213	12216	12219	12220	12222	12223	12224	12225	12227	12229
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE (CONT'D)												
	179838	BOLT, 3/8"-16X7/8" (12.9001)							2					
	179839	BOLT, 3/8"-16X1" (12.9001)							2					
	5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)							2					
	103341	WASHER, 3/8" FLAT (12.9190)							4					
	103321	LOCKWASHER, 3/8" (12.9200)							4					
	102635	NUT, 3/8"-16 (12.9120)							4					
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
4A	5147043 *	HOSE, FLEX. (#6X11.5"L.)		1										
4A	5147044 *	HOSE, FLEX. (#6X29"L.)		1										
4A	5199575	HOSE, BULK #6X25 FT. (8.5"L.)			1		1	1						
4A	5199575	HOSE, BULK #6X25 FT. (10"L.)								1				
4A	5199575	HOSE, BULK #6X25 FT. (11"L.)												1
4A	5199575	HOSE, BULK #6X25 FT. (12.5"L.)										1	1	
4A	5199575	HOSE, BULK #6X25 FT. (17"L.)				1								
4A	5199575	HOSE, BULK #6X25 FT. (26"L.)			1		1	1						1
4A	5199575	HOSE, BULK #6X25 FT. (27"L.)								1				
4A	5199575	HOSE, BULK #6X25 FT. (30.22")							1			1	1	
4A	5199575	HOSE, BULK #6X25 FT. (33"L.)				1								
4A	5199575	HOSE, BULK #6X25 FT. (45"L.)							1					
4A	5199593	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG.			1		1	1	1	1				
4A	5199579	FITTING, HOSE 5/8"-18 INV. FL. STGHT.			2	2	2	2	3	2		2	2	2
4A	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG.			1	2	1	1		1		2	2	2
	5142470	TUBING, WRAP (5"L.)		2	2	2	1	2	1	1				
	5142497	TUBING, WRAP (8"L.) (7.7020)		1	1	1	1	1				1	1	
	5101020	TUBING, WRAP (8 L.) (7.7020)			2									
4A	143338	ELBOW, 3/8" INV. FL. TUBE-45 DEG. (12.9480)		1	1		1	1		1			1	1
4A	193004	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)		3	2	2	3	3	1	3		1	1	
4A	9432249	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)							2					1
4A	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				2			1					1
4A	9432267	CONNECTOR, 3/8" TUBE 3/8" PIPE (12.9000)										1	2	1
	444002	ADAPTOR, 3/8" (4.6020)											1	1
		* OBSOLETE												
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER												
	5147045	HOSE, FLEX (#6X19"L.)		1										
	5199575	HOSE, BULK #6X25 FT. (16"L.)					1							
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR.					2							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12101	12102	12103	12116	12119	12200	12222	12223	12224	12225	12227	12229
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER (CONT'D)												
	5142470	TUBING, WRAP (5"L.) (7.7020)		1		1								1
	193004	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)		1			1							
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)		1			1							
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)		1			1							
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE												
	2488022	CLIP, 3/8" (2.5100)		1	1	3	2	2	2	1		1	2	
	5126504	BRACKET, CLIP (4.1512)		1	1	1	1	1		1		1	1	1
	5173022	BRACKET, CLIP (5.5379)				1								
	123435	BOLT, 1/4"-28X5/8" (12.9001)		1		1				1		1		
	179796	BOLT, 1/4"-20X7/8" (12.9001)			1		1	1		1		1	1	
	181314	BOLT, 1/4"-28X7/8" (12.9001)			1		1	1					1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)				1								
	120392	WASHER, 1/4" FLAT (12.9190)		AR	AR	AR	AR	AR		AR		AR	AR	
	103341	WASHER, 3/8" FLAT (12.9190)				1		2						
	103319	LOCKWASHER, 1/4" (12.9200)		2	2	2	2	2		1		1	1	
	103321	LOCKWASHER, 3/8" (12.9200)				1								
	102635	NUT, 3/8"-16 HEX. (12.9120)				1								
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
	5129437	* TUBE (DEV. L. 18.77")	1											
	5147045	HOSE, FLEX (19"L.)		1										
	5199575	HOSE, BULK #6X25 FT. (15"L.)												1
	5199575	HOSE, BULK #6X25 FT. (16"L.)			1	1		1		1		1	1	
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STGHT.			2	2		2		2		2	2	1
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG.												1
	9432245	ELBOW, 5/16" INV. FL. TUBE-90 DEG. (12.9480)	1											
	193004	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)			1	1		1		1		1	1	1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1	1	1		1		1		1	1	1
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)		1	1	1		1		1		1	1	1
	444000	ADAPTOR, 1/4"-18 PIPE (12.9575)						1		1			1	
	5145014	PLUG, 3/8" PIPE (12.9550)	1											
	5134840	CLIP (2.5220)	1											
	5133596	BRACKET, CLIP (2.5180)	1											
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1											
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	1											
	103341	WASHER, 3/8" FLAT (12.9190)	3											
	103321	LOCKWASHER, 3/8" (12.9200)	1											
	117049	NUT, 3/8"-24 HEX. (12.9120)	1											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12110	12112	12113	12116	12119	12200	12222	12223	12224	12225	12227	12229
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)												
		* NOT SERVICED; CUSTOMER TO FABRICATE, REFER TO SECTION 12.8000B.												
		2.5212 - COOLER ASSY., FUEL												
10C	**5136348**	COOLER ASSY.								1	1			
	5181339	BRACKET (5.5070)								1				
	5108249	CLIP, 2 3/8" (5.2190)								1				
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)								2				
	179858	BOLT, 7/16"-14X1" (12.9001)								1				
	106261	WASHER, 5/16" FLAT (12.9190)								1				
	106263	WASHER, 7/16" FLAT (12.9190)								1				
	103322	LOCKWASHER, 7/16" (12.9200)								2				
	123197	NUT, 5/16"-18 HEX. (12.9120)								1				
		2.5214 - TUBE, FUEL COOLER												
10A	**5173450**	HOSE, FLEX. (#2X2 1/2"L.) (5.3330)								2				
10C	**5199575**	HOSE, BULK #6X25 FT. (17"L.)									1			
10C	**5199575**	HOSE, BULK #6X25 FT. (21"L.)									1			
10C	**5199575**	HOSE, BULK #6X25 FT. (23.3" L.)								1				
10C	**5199583**	FITTING, HOSE 1/2"-20 INV. FL. STGHT.								1				
10C	**5199597**	FITTING, HOSE 1/2"-20 INV. FL. 45 DEG.									1			
10C	**5199579**	FITTING, HOSE 5/8"-18 INV. FL. STGHT.								1	3			
10C	**5128927**	ELBOW, 5/16" (.080" RESTRICTION)								1				
10C	**193004**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)								1	2			
10C	**9139809**	CLAMP (3") (12.9660)								4				
10C	**2488022**	CLIP (2.5100)								1				
10C	**442323**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)									1			
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE												
	5199575	HOSE, FLEX. #6X25 FT. (28.58"L.)	1											
	5147046	* HOSE, BULK #6X25 FT. (48"L.)		1										
	5199575	HOSE, BULK #6X25 FT. (12"L.)							1					
	5199575	HOSE, BULK #6X25 FT. (16"L.)							1					
	5199575	HOSE, BULK #6X25 FT. (25"L.)							1	1				
	5199575	HOSE, BULK #6X25 FT. (33"L.)			1									
	5199575	HOSE, BULK #6X25 FT. (36"L.)						1						

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12210	12212	12213	12216	12219	12220	12222	12223	12224	12225	12227	12229
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE (CONT'D)												
	5199575	HOSE, BULK #6X25 FT. (37"L.)				1							1	1
	5199575	HOSE, BULK #6X25 FT. (45"L.)					1					1		
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STGHT.	1		1	1	1	1	6			1	1	1
	5199597	FITTING, HOSE 1/2"-20 INV. FL. 45 DEG.	1		1	1	1	1				1	1	1
	5199592	FITTING, HOSE 1/2"-20 INV. FL. 90 DEG.							2					
	5128927	ELBOW, 1/4" PIPE (.080" RESTRICTION)		1	1		1	1						
	5112892	ELBOW, 5/16" (.1065 RESTRICTION)	1											
	5116440	ELBOW, 5/16" (.070" RESTRICTION)							2					
	5177828	ELBOW, 5/16"-90 DEG. (.106" RESTRICTION)				1						1	1	1
	9432249	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)							1					
	193004	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)								1				
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1	1	1	1	3	1		1	1	1
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694) * OBSOLETE	1											
		2.5220 - CLIP, FUEL DRAIN TUBE												
	2488022	CLIP (NEOPRENE)	2	3	7		5	3						1
	103341	WASHER, 1/4" FLAT (12.9120)			1		1							
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION												
	5100246	BLOCK							1					
	5121182	PLUG, 1/4" PIPE (12.9550)							1					
	214054	BOLT, 5/16"-18X6 1/4" (12.9001)							1					
		2.5255 - SHIELDING, FLEXIBLE HOSE												
	5101020	STRAP, HOSE			6		4	4	7			6	5	

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1230	1233	1235	1236	1237	1238	1240	1241	1243	1245	1246	1247	1249
		2.5006 - VALVE, FUEL SUPPLY CHECK													
		▪ FOR TYPE 1217 USE TYPE 1213▪													
	5135308	VALVE (SWING)							1						
	444150	TEE, 3/8" PIPE (12.9616)							1						
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)							1						
	9432249	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)							1						
		2.5010 - HOSE, FUEL SUPPLY TO STRAINER													
	5199576	HOSE, BULK #8X25 FT. (14"L.)			1										
	5199576	HOSE, BULK #8X25 FT. (17"L.)												1	
	5199577	HOSE, BULK #10X25 FT. (26"L.)	1												
	5199576	HOSE, BULK #8X25 FT. (59"L.)									1				
	5199581	FITTING, HOSE 7/8"-18 INV. FL; STGHT.	2												
	5199580	FITTING, HOSE 3/4"-18 INV. FL; STGHT.			2						2			2	
	143340	ELBOW, 1/2" INV. FL. TUBE-45 DEG. (12.9480)												1	
	442343	ELBOW, 5/8" INV. FL. TUBE-90 DEG. (12.9480)	1												
	137425	ELBOW, 1/2" INV. FL. TUBE-90 DEG. (12.9480)			1						1			1	
	442325	CONNECTOR, 5/8" INV. FL. TUBE (12.9460)	1												
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9480)			1						1				
		2.5020 - CLIP, FUEL SUPPLY TO STRAINER													
	2362448	CLIP, HOSE 1/2" (2.5070)									4			1	
	5126504	SUPPORT, CLIP (4.1512)									1				
	5173022	SUPPORT, CLIP (5.5379)									2				
	181361	BOLT, 3/8"-24X7/8" (12.9001)									2				
	120392	WASHER, 9/32" (12.9190)									1				
	5152148	WASHER, 3/8" (2.4050)												1	
	103321	LOCKWASHER, 3/8" (12.9200)									2				
	117049	NUT, 3/8"-24 HEX. (12.9120)									2				
		2.5050 - TUBE, STRAINER TO FUEL PUMP													
	5199576	HOSE, BULK #8X25 FT. (16"L.)	1												
	5199576	HOSE, BULK #8X25 FT. (22"L.)											1		
	5199576	HOSE, BULK #8X25 FT. (23"L.)			1				1		1				

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2.5000A FUEL LINES AND FUEL COOLER

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12300	12336	12337	12338	12340	12341	12343	12345	12346	12347	12349
		2.5050 - TUBE, STRAINER TO FUEL PUMP (CONT'D)											
	5199576	HOSE, BULK #8X25 FT. (30"L.)		1						1			
	5199576	HOSE, BULK #8X25 FT. (42"L.)											1
	5199580	FITTING, HOSE 3/4"-18 INV. FL; STGHT.		1	2		2		2	2	2		1
	5199589	FITTING, HOSE 3/4"-18 INV. FL. 90 DEG.		1									1
	5199594	FITTING, HOSE 3/4"-18 INV. FL. 45 DEG.	1										
	137425	ELBOW, 1/2" INV. FL. TUBE-90 DEG. (12.9480)	1		1		1		2	2	2		2
	444002	CONNECTOR, 3/8" (12.9575)	1										
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)	1	2	1		1						
		2.5060 - HOSE, FUEL PUMP INLET											
	5199575	HOSE, BULK #6X25 FT. (4"L.)					1						
	5199576	HOSE, BULK #8X25 FT. (23"L.)				1							
	5199580	FITTING, HOSE 3/8"-18 INV. FL; STGHT.				2							
	5199579	FITTING, HOSE 5/8"-18 INV. FL; STGHT.					1						
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG.					1						
	5147206	TUBING, WRAP (5"L.)				1							
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)				1							
	9432266	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					2						
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)				1							
		2.5070 - CLIP, STRAINER TO FUEL PUMP											
	2362448	CLIP (1/2")		1	1	1			1	1	1		2
	5173022	SUPPORT, CLIP (5.5379)											2
	181360	BOLT, 3/8"-24X3/4" (12.9001)											2
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)								1			
	103321	LOCKWASHER, 3/8" (12.9200)											2
	117049	NUT, 3/8"-24 HEX. (12.9120)											2
		2.5100 - TUBE, FUEL PUMP TO FILTER											
4A	5199575	HOSE, BULK #6X25 FT. (14" L.)			1		1		1	1			
4A	5199575	HOSE, BULK #6X25 FT. (15"L.)					1						
4A	5199576	HOSE, BULK #8X25 FT. (18"L.)	1	1									

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12300	12330	12335	12336	12337	12338	12340	12341	12343	12345	12346	12347	12349
		2.5100 - TUBE, FUEL PUMP TO FILTER (CONT'D)													
4A	5199575	HOSE, BULK #6X25 FT. (24"L.)								1					
4A	5199575	HOSE, BULK #6X25 FT. (16"L.)											1		
4A	5199575	HOSE, BULK #6X25 FT. (12"L.)												1	
4A	5199575	HOSE, BULK #6X25 FT. (35"L.)													1
4A	5199580	FITTING, HOSE 3/4"-18 INV. FL. STGHT.	1	1											
4A	5199579	FITTING, HOSE 5/8"-18 INV. FL. STGHT.			1		1		1		1	1		1	1
4A	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG.			1		1		1		1	1			
4A	5199594	FITTING, HOSE 3/4"-18 INV. FL. 45 DEG.	1	1											
4A	5199579	FITTING, HOSE 5/8"-18 INV. FL. STGHT.							2	2			2		
4A	5199593	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG.												1	1
4A	193004	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)			1		1		2	2	1	1	2	1	2
4A	8922190	ELBOW, 1/2" TUBE (12.9480)		1											
4A	137425	ELBOW, 1/2" INV. FLD. TUBE (12.9480)	2	2											
4A	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1		1		1		1	1			
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE													
4A	2488022	CLIP (2.5100)													2
		2.5149 - TUBE, FILTER TO CYLINDER HEAD													
4A	5199575	HOSE, BULK #6X25 FT. (7.5"L.)												1	
4A	5199575	HOSE, BULK #6X25 FT. (8.5"L.)							1		1	1			
4A	5199575	HOSE, BULK #6X25 FT. (6"L.)											1		
4A	5199575	HOSE, BULK #6X25 FT. (10" L.)			1		1								
4A	5199575	HOSE, BULK #6X25 FT. (11" L.)		1											
4A	5199575	HOSE, BULK #6X25 FT. (12.5"L.)	1												1
4A	5199575	HOSE, BULK #6X25 FT. (19"L.)								1					
4A	5199575	HOSE, BULK #6X25 FT. (16"L.)			1										
4A	5199575	HOSE, BULK #6X25 FT. (22"L.)					1							1	
4A	5199575	HOSE, BULK #6X25 FT. (26"L.)		1					1		1				
4A	5199575	HOSE, BULK #6X25 FT. (27"L.)	1							1					
4A	5199575	HOSE, BULK #6X25 FT. (32"L.)													1
4A	5199575	HOSE, BULK #6X25 FT. (39"L.)													
4A	5199593	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG.							1		1	1		1	
4A	5199579	FITTING, HOSE 5/8"-18 INV. FL. STGHT.	2	2	2		2		2		2			2	
4A	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90	2	2	2		2		1		1		1	1	1

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12300	12303	12305	12306	12307	12308	12400	12401	12403	12405	12406	12407	12409
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)													
		DEG.													
4A	5199579	FITTING, HOSE 5/8"-18 INV. FL. STGHT.								4		1	1		3
	5142470	TUBING, WRAP (5"L.)(7.7020)							2	1					
	5147206	TUBING, WRAP (8"L.) (7.7020)								1		1			1
	5101020	TUBING, WRAP (8"L.) (7.7020)									2				
4A	143338	ELBOW, 3/8" INV. FL. TUBE-45 DEG. (12.9480)	1	1	1		1		1	1	1	1	1	1	1
4A	193004	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)	1		2		2		3	3	3	3	1	1	1
	9432249	ELBOW, 3/8" INV. FLD. TUBE (12.9480)		1											
4A	9432267	CONNECTOR, 3/8" TUBE 3/8" PIPE (12.9000)	2	1											
4A	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1		1								1
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER													
	5199575	HOSE, BULK #6X25 FT. (16"L.)	1					1	1		1		1	1	
	5199575	HOSE, BULK #6X25 FT. (10 1/2" L.)			1		1								
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR.						2	2		2		2	2	
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR.			1		1								
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG.			1		1								
	5142470	TUBING, WRAP (5"L.) (7.7020)							1						
	193004	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)	1		1		1	1	1		1		2	1	
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1		1		1	1	1		1			1	
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)	1		1		1	1	1		1			1	
		2.5180 - CLIP, CYLINDER HEAD INLET													
	2488022	CLIP, 3/8" (2.5100)							1	1	1	1		1	3
	5126504	BRACKET, CLIP (4.1512)	1						1	1		1		1	
	5130913	BRACKET, CLIP (7.4597)									1				
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1			1				1	1	1	1	1	1
	123435	BOLT, 1/4"-28X5/8" (12.9001)							1						
	181314	BOLT, 1/4"-28X7/8" (12.9001)	1			1				1	1	1	1	1	
	120392	WASHER, 1/4" FLAT (12.9190)	AR						AR	AR	AR	AR		AR	
	103319	LOCKWASHER, 1/4" (12.9200)	2						2	2	2	2	2	2	
	121902	NUT, 1/4"-28 HEX. (12.9120)	1						1	1	1	1		1	
		2.5205 - TUBE, FUEL DRAIN CROSSOVER													
	5199575	HOSE, BULK #6X25 FT. (16"L.)				1				1		1	1		1
	5199575	HOSE, BULK #6X25 FT. (10.5" L.)		1											
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STGHT.		1		2				2		2	2		2
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG.		1											

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12300	12330	12335	12336	12337	12338	12340	12341	12343	12345	12346	12347	12349
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)													
	5147206	TUBING, WRAP (5"L.)								2		2			2
	5128927	ELBOW, 5/16" (.080" RESTRICTION) (2.4001)								1					
	193004	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)		1		1				1		1	1		1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)		1		1				1		1	1		1
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)		1		1				1		1	1		1
	444000	ADAPTOR, 1/4"-18 PIPE (12.9575)				1	1				1	1			
	2488022	CLIP (2.5100)				1							1		1
	5126504	SUPPORT (4.1512)				1							1		1
	123435	BOLT, 1/4"-28X5/8" (12.9001)				1							1		1
	120392	WASHER, 1/4" FLAT (12.9190)				1							2		2
	120380	LOCKWASHER, 1/4" (12.9200)				1							1		1
	121902	NUT, 1/4"-28 HEX. (12.9120)				1							1		1
		2.5215 - HOSE, FUEL DRAIN													
	5199575	HOSE, BULK #6X25 FT. (6"L.)												1	
	5199575	HOSE, BULK #6X25 FT. (33"L.)				1	1	1	1			1	1		1
	5199575	HOSE, BULK #6X25 FT. (36"L.)									1				
	5199575	HOSE, BULK #6X25 FT. (37" L.)		1											
	5199575	HOSE, BULK #6X25 FT. (45"L.)	1		1										
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STGHT.	1	1	1	1	1	1	1		1	1	1	1	1
	5199597	FITTING, HOSE 1/2"-20 INV. FL. 45 DEG.	1	1	1	1	1	1	1		1	1	1	1	1
	5147206	TUBING, WRAP (5"L.)	2												
	5128927	ELBOW, 1/4" PIPE (.080" RESTRICTION)			1	1	1	1	1		1	1	1	1	1
	5112892	ELBOW, 5/16" (.1065 RESTRICTION)	1	1											
	143338	ELBOW, 3/8" INV. FL. TUBE-45 DEG. (12.9480)									1			1	
	137407	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1			1	1	1				1	1		1
	442323	CONNECTOR, INV. FL. TUBE (12.9460)		1											
		2.5220 - CLIP, FUEL DRAIN													
	2488022	CLIP (NEOPRENE)		2	3	3	3	3	2		2	3	3		3
	179837	BOLT, 3/8"-16X3/4" (12.9001)							1						
	120392	WASHER, 1/4" FLAT (12.9120)										1	1	1	
	103321	LOCKWASHER, 3/8" (12.9200)			1				1						
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION													
	5126977	BLOCK									1			1	1
	5121182	PLUG, 1/4" PIPE (12.9550)												2	
	5145014	PLUG, 3/8" PIPE (12.9550)												1	

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2.5000A FUEL LINES AND FUEL COOLER

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12301	12303	12305	12306	12307	12308	12401	12403	12405	12406	12407	12409
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION (CONT'D)												
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)								1				
	186648	BOLT, 1/2"-13X1 3/4" (12.9001)											1	
	5150568	WASHER, 7/16" COPPER (2.4050)								1				
	103323	LOCKWASHER, 1/2" (12.9200)											1	
		2.5252 - BRACKET, FUEL SYSTEM JUNCTION BLOCK												
	5126976	BRACKET											1	
	2090390	CONNECTOR, 1/4" PIPE (IN BRACKET) (2.5150)											3	
	179838	BOLT, 3/8"-16X7/8" (12.9001)											2	
	103321	LOCKWASHER, 3/8" (12.9200)											2	
	131047	LOCKWASHER, 7/8" (12.9200)											3	
	219759	NUT, 7/8"-16 HEX. (12.9120)											3	
		2.5255 - SHIELDING, FLEXIBLE HOSE												
	5101020	STRAP, HOSE	3	14	2		2			4	4	4	4	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12500	12501	12502	12503	12504	12505	12506	12507	12508	12509	12600	12601
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5135308	VALVE (SWING)			1									
	444150	TEE, 3/8" PIPE (12.9616)			1									
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)			1									
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1									
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
	5199576	HOSE, BULK #8X25 FT. (41"L.) (12.8550)		1									1	
	5199580	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.9534)		2									2	
	225828	ELBOW, 1/2" INV. FL. TUBE (12.9480)		1									2	
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)		1									1	
		2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE												
	2362448	CLIP, #8 HOSE (NEOPRENE) (12.8554)											1	
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP												
4A	5199576	HOSE, BULK #8X25 FT. (46"L.) (12.8550)	1											
4A	5199576	HOSE, BULK #8X25 FT. (19.5"L.) (12.8550)		1										
4A	5199576	HOSE, BULK #8X25 FT. (47"L.) (12.8550)			1									
4A	5199576	HOSE, BULK #8X25 FT. (23"L.) (12.8550)									1			
4A	5199576	HOSE, BULK #8X25 FT. (25"L.) (12.8550)										1		
4A	5199576	HOSE, BULK #8X25 FT. (50"L.) (12.8550)												1
4A	5199577	HOSE, BULK #10X25 FT. (48"L.) (12.8550)					1							
4A	5199580	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.9534)	2	1	1						2	1		1
4A	5199594	FITTING, HOSE 3/4"-18 INV. FL. 45 DEG. (12.9534)		1	1							1		
4A	5199589	FITTING, HOSE 3/4"-18 INV. FL. 90 DEG. (12.9534)												1
4A	5199581	FITTING, HOSE 7/8"-18 INV. FL. STR. (12.9534)					1							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12502	12501	12502	12503	12504	12505	12506	12507	12508	12509	12600	12601
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP (CONT'D)												
4A	**5199590**	FITTING, HOSE 7/8"-18 INV. FL. 90 DEG. (12.9534)					1							
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	1	2	2						1	2		2
	9434182	ELBOW, 5/8" INV. FL. TUBE 90 DEG. (12.9480)					2							
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)	1								1			
	5101020	STRAP, HOSE (2.5255)			2									
		2.5055 - TUBE, STRAINER TO FUEL PRIMER PUMP												
	5199575	HOSE, BULK #6X25 FT. (7.5"L.) (12.8550)			1									
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)			1									
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)			1									
		2.5060 - TUBE, FUEL PUMP INLET												
	5199576	HOSE, BULK #8X25 FT. (25"L.) (12.8550)								1				
	5199577	HOSE, BULK #10X25 FT. (48"L.) (12.8550)				1		1	1					
	5199594	FITTING, HOSE 3/8"-18 INV. FL. 45 DEG. (12.9534)								1				
	5199580	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.9534)								1				
	5199581	FITTING, HOSE 7/8"-18 INV. FL. STR. (12.9534)				1		1	1					
	5199595	FITTING, HOSE 7/8"-18 INV. FL. 45 DEG. (12.9534)						1	1					
	5199590	FITTING, HOSE 7/8"-18 INV. FL. 90 DEG. (12.9534)				1								
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)								1				
	9434182	ELBOW, 5/8" INV. FL. TUBE 90 DEG. (12.9480)				1		1	1					
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)								1				
	442325	CONNECTOR, 5/8" INV. FL. TUBE (12.9460)				1		1	1					
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
	2362448	CLIP, #8 HOSE (NEOPRENE) (12.8554)	3		3						1			
	5146787	CLIP, 1/2" (NEOPRENE)			1									
	5146788	CLIP, 5/8" (NEOPRENE)				2	2	2	1					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12501	12512	12523	12534	12555	12566	12577	12588	12599	12600	12611
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE (CONT'D)											
	5176400	BRACKET, CLIP (4.8010)		1									
	5113488	SPACER, 5/16"X9/16"X5/16" (2.9410)			1		1	1					
	5160629	SPACER, 13/32" (4.2270)		2									
	5109349	SPACER, 15/32"X1"X.82" (7.1595)			1								
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)			1		1	1					
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)		2									
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			1								
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)		1									
	120392	WASHER, 1/4" (12.9190)		AR									
	120393	WASHER, 5/16" (12.9190)		AR									
	103341	WASHER, 3/8" (12.9190)		AR									
	103321	LOCKWASHER, 3/8" (12.9200)		1	1								
	117049	NUT, 3/8"-24 HEX. (12.9120)		1									1
		2.5100 - TUBE, PUMP TO FILTER											
4A	5199575	HOSE, BULK #6X25 FT. (14"L.) (12.8550)		1	1					1			
4A	5199575	HOSE, BULK #6X25 FT. (19"L.) (12.8550)									1		
4A	5199575	HOSE, BULK #6X25 FT. (23"L.) (12.8550)										1	
	5199575	HOSE, BULK #6X25 FT. (25"L.) (12.8550)							1				
	5199575	HOSE, BULK #6X25 FT. (33"L.) (12.8550)			1								
4A	5199575	HOSE, BULK #6X25 FT. (40"L.) (12.8550)											1
4A	5199576	HOSE, BULK #8X25 FT. (43"L.) (12.8550)					1						
4A	5199576	HOSE, BULK #8X25 FT. (46"L.) (12.8550)						1					
4A	5199576	HOSE, BULK #8X25 FT. (47"L.) (12.8550)			1								
4A	5199576	HOSE, BULK #8X25 FT. (51"L.) (12.8550)				1							
4A	5199575	HOSE, BULK #6X25 FT. (60"L.) (12.8550)	1										
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)		1	1					1			1
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)		1	1					1			
4A	5199593	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG. (12.9534)									1		1
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)										2	
	5199580	FITTING, HOSE 3/4"-18 INV. FL. STR.			2	1	1	1					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12501	12511	12522	12533	12544	12555	12566	12577	12588	12599	12600	12611
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)												
		(12.9534)												
4A	**5199589**	FITTING, HOSE 3/4"-18 INV. FL. 90 DEG. (12.9534)					1	1	1					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	1	2					1	7	2	2	2
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)				2			2					
	143340	ELBOW, 1/2" INV. FL. TUBE 45 DEG. (12.9480)					1	1						
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1					1	1			
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)					1	1						
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	2488022	CLIP, #6 HOSE (NEOPRENE) (12.8554)	5		3									
	2362448	CLIP, #8 HOSE (NEOPRENE) (12.8554)				2	2	2						
	5114210	SUPPORT, CLIP (4.8042)	1											
	5143841	BRACKET, CLIP (2.5180)				2	2	2	2					
	5177362	SPACER, 3/4"X1/4" (2.9643)	1											
	5159347	SPACER, 3/4"X1/2" (7.1581)				2	2	2	2					
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1											
	179839	BOLT, 3/8"-16X1" (12.9001)				2	2		2					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2	2	2	2					
	179884	BOLT, 3/8"-16X1 5/8" (12.9001)	1											
	106334	BOLT, 7/16"-14X5/8" (12.9001)	1											
	120392	WASHER, 1/4" FLAT (12.9190)	1											
	103341	WASHER, 3/8" FLAT (12.9190)				4	4	2	4					
	103321	LOCKWASHER, 3/8" (12.9200)	1			4	4	2	4					
	103322	LOCKWASHER, 7/16" (12.9200)	1											
	117049	NUT, 3/8"-24 HEX. (12.9120)	1											
	102635	NUT, 3/8"-16 HEX. (12.9120)				2	2		2					
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
4A	**5199575**	HOSE, BULK #6X25 FT. (8.5"L.) (12.8550)		1							1			
4A	**5199575**	HOSE, BULK #6X25 FT. (11"L.) (12.8550)	1											1
4A	**5199575**	HOSE, BULK #6X25 FT. (13"L.) (12.8550)			1									
4A	**5199575**	HOSE, BULK #6X25 FT. (16"L.) (12.8550)										1		
4A	**5199575**	HOSE, BULK #6X25 FT. (19"L.) (12.8550)								1				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12501	12512	12523	12534	12545	12556	12567	12578	12589	12600	12611
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)											
4A	5199575	HOSE, BULK #6X25 FT. (21"L.) (12.8550)										1	
4A	5199575	HOSE, BULK #6X25 FT. (22"L.) (12.8550)			1		1						
4A	5199575	HOSE, BULK #6X25 FT. (25"L.) (12.8550)	1										
4A	5199575	HOSE, BULK #6X25 FT. (26"L.) (12.8550)		1	1								
4A	5199575	HOSE, BULK #6X25 FT. (29"L.) (12.8550)				1		1					
4A	5199575	HOSE, BULK #6X25 FT. (30"L.) (12.8550)									1		
4A	5199575	HOSE, BULK #6X25 FT. (33"L.) (12.8550)							1			1	
4A	5199575	HOSE, BULK #6X25 FT. (43"L.) (12.8550)											1
4A	5199575	HOSE, BULK #6X25 FT. (45"L.) (12.8550)				1		1					
4A	5199575	HOSE, BULK #6X25 FT. (54"L.) (12.8550)			1		1						
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	2	2	2	2	3	2	3		1	3		2
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)									1		
	5199593	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG. (12.9534)	2	1	1				1	1	1	7	2	2
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)		1		2	1	2					2	
	5101020	TUBING, WRAP (5"L.) (7.7020)					2	2	2		2			
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)									1			
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		1	1						1	1	1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	4	3	3	1	1	1	1	3	1	3	2	1
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				2	2	2	1					
	225828	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)							1					
	5144358	CONNECTOR (1.2001)				4	4	4	4					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1	1	1		1				1
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)							1				1	
	5135225	VALVE, CHECK (2.5006)									1			
	192469	NIPPLE, 1/4"X1 1/8" (12.9560)									1			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12505	12512	12523	12534	12555	12566	12577	12588	12599	12600	12611
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER											
	5199575	HOSE, BULK #6X25 FT. (15"L.) (12.9550)								1			
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)								2			
	5101020	TUBING, WRAP (5"L.) (7.7020)					1	1	1	1	1	1	1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)								2			
	2488022	CLIP, 3/8" (NEOPRENE) (2.5100)								1			
	5126504	SUPPORT, CLIP (4.1512)								1			
	123435	BOLT, 1/4"-28X5/8" (12.9001)								1			
	120392	WASHER, 1/4" FLAT (12.9190)								2			
	103319	LOCKWASHER, 1/4" (12.9200)								1			
	121902	NUT, 1/4"-28 HEX. (12.9120)								1			
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE											
	2488022	CLIP, #6 HOSE (NEOPRENE) (12.8554)	1	1	1	2	2	2	3		1	1	4
	2362448	CLIP, #8 HOSE (NEOPRENE) (12.8554)							1				2
	5126504	SUPPORT, CLIP (4.1512)		1	1						1	1	
	5173022	BRACKET, CLIP (5.5379)											2
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1								
	181314	BOLT, 1/4"-28X7/8" (12.9001)		1	1								
	123435	BOLT, 1/4"-28X5/8" (12.9001)									1	1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)							1				
	179839	BOLT, 3/8"-16X1" (12.9001)						2					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)											2
	181360	BOLT, 3/8"-24X3/4" (12.9001)											2
	120392	WASHER, 9/32" PLAIN (12.9190)		2	2						2	2	
	103341	WASHER, 3/8" FLAT (12.9190)						2					
	103319	LOCKWASHER, 1/4" (12.9200)	2	2	2						2	2	
	103321	LOCKWASHER, 3/8" (12.9200)						2	1				2
	121902	NUT, 1/4"-28 HEX. (12.9120)		1	1						1	1	
	102635	NUT, 3/8"-16 HEX. (12.9120)						2	2				
	117049	NUT, 3/8"-24 HEX. (12.9120)											2
		2.5205 - TUBE, FUEL DRAIN CROSSOVER											
	5199575	HOSE, BULK #6X25 FT. (16"L.) (12.8550)	1	1	1				1	1	1	1	1
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	2	2	2				2	2	2	2	2
	5101020	STRAP, HOSE (2.5255)					1			1	1		
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1				1	1	1	1	1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1	1				1	1	1	1	1
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)	1	1	1				1	1	1	1	1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12500	12501	12502	12503	12504	12505	12506	12507	12508	12509	12600	12601
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)												
	2488022	CLIP, #6 HOSE (NEOPRENE) (12.8554)	1											1
	5126504	SUPPORT, CLIP (4.1512)	1											1
	181314	BOLT, 1/4"-28X7/8" (12.9001)	1											
	123435	BOLT, 1/4"-28X5" (12.9001)												1
	120392	WASHER, 9/32" PLAIN (12.9190)	2											2
	103319	LOCKWASHER, 1/4" (12.9200)	AR											
	103321	LOCKWASHER, 3/8" (12.9200)												1
	121902	NUT, 1/4"-28 HEX. (12.9120)	1											1
		2.5210 - TUBE, FUEL DRAIN												
	5199575	HOSE, BULK #6X25 FT. (23"L.) (12.8550)	1											
	5199575	HOSE, BULK #6X25 FT. (25"L.) (12.8550)		1		1	1	1	1					
	5199575	HOSE, BULK #6X25 FT. (37"L.) (12.8550)			1									
	5199575	HOSE, BULK #6X25 FT. (12"L.) (12.8550)				1	1	1	1					
	5199575	HOSE, BULK #6X25 FT. (16"L.) (12.8550)				1	1	1	1					
	5199575	HOSE, BULK #6X25 FT. (33"L.) (12.8550)								1	1	1	1	1
	5199597	FITTING, HOSE 1/2"-20 INV. FL. 45 DEG. (12.9534)	1	1	1					1	1	1	1	1
	5199583	FITTING, HOSE 1/2"-20 INV. FL. STR. (12.9534)				2	2	2	2					
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	1	1	1	1				1	1	1	1	1
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)				2	2	2	2					
	5128927	ELBOW, 5/16" (.080" RESTRICTION) (2.4001)	1	1	1					1	1	1	1	1
	5116440	ELBOW, 5/16" (.070" RESTRICTED)				2	2	2	2					
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1	1							
	225828	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)						1	1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1	3	3	3	3	1	1	1		1
	5130679	CONNECTOR, 3/8" FL. TUBE (.70" RESTR.)				2	2	2	2					
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)											1	
	5101020	STRAP, HOSE (2.5256)					1	1				1	2	2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12500	12501	12502	12503	12504	12505	12506	12507	12508	12509	12600	12601
		2.5220 - CLIP, FUEL DRAIN TUBE												
	2488022	CLIP, 3/8" (NEOPRENE) (2.5100)	1	1	2					1	2	2	2	2
	2362448	CLIP, 1/2" (NEOPRENE) (2.5070)		1										
	103341	WASHER, 3/8" FLAT (12.9190)	2											
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION												
	5100246	BLOCK				1	1	1	1					
	5142784	BLOCK								1				
	5121182	PLUG, 1/4" PIPE (12.9550)				1	1	1	1	1				
	5115214	PLUG, 1/2" PIPE (12.9550)								1				
	214054	BOLT, 5/16"-18X6 1/4" (12.9001)				1	1	1	1					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12662	12663	12664	12665	12666	12668	12669	12670	12671	12672	12673
		2.5006 - VALVE, FUEL SUPPLY CHECK											
	5109734	VALVE (SWING)								1		1	1
	138105	TEE, 1/2" PIPE (12.9616)								1		1	
	9432248	ELBOW, 3/8" INV. FL. TUBE (12.9480)								1		1	
	142365	ELBOW, 1/2"-90 DEG. RED. (12.9590)											1
	9432266	CONNECTOR, 3/8" TUBE, 1/8" P.T. (12.9460)								1		1	
	144050	BUSHING, 1/2"X1/8" REDUCING (12.9470)								1		1	
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE											
	5199576	HOSE, BULK #8X25 FT. (14"L.) (12.8550)				1							
	5199580	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.9534)				2							
	225828	ELBOW, 1/2" INV. FL. TUBE (12.9480)				1							
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)				1							
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP											
4A	5199576	HOSE, BULK #8X25 FT. (46"L.) (12.8550)	1										
4A	5199576	HOSE, BULK #8X25 FT. (47"L.) (12.8550)			1			1		1		1	
4A	5199576	HOSE, BULK #8X25 FT. (23"L.) (12.8550)				1							
4A	5199576	HOSE, BULK #8X25 FT. (59"L.) (12.8550)		1									
4A	5199576	HOSE, BULK #8X25 FT. (51"L.) (12.8550)					1				1		1
4A	5199580	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.9534)		2		2	2			2	2		2
4A	5199580	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.9534)	1		1			1					
4A	5199594	FITTING, HOSE 3/4"-18 INV. FL. 45 DEG. (12.9534)			1			1					
4A	5199589	FITTING, HOSE 3/4"-18 INV. FL. 90 DEG. (12.9534)	1										
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2										
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)		2	2	1	2	2		2	2	2	2
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)				1							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12626	12663	12664	12665	12666	12668	12669	12670	12671	12672	12673
		2.5055 - TUBE, STRAINER TO FUEL PRIMER PUMP											
	5199575	HOSE, BULK #6X25 FT. (16"L.) (12.8550)								1		1	
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)								1		1	
	5199593	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG. (12.9534)								1		1	
	108686	ELBOW, 1/2" STREET 90 DEG. (12.9510)								1		1	
	121208	NIPPLE, 1/2"X1 1/8" PIPE (12.9560)								1		1	
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE											
	2362448	CLIP, #8 HOSE (NEOPRENE) (12.8554)	1		2	1	3	4					3
	2488022	CLIP, 3/8" (NEOPRENE) (12.8554)		1						1			1
	5173022	SUPPORT, CLIP (5.5379)	1										
	5126504	SUPPORT, CLIP (4.1512)			1					1			
	5176400	BRACKET, CLIP (4.8010)						1					
	5160629	SPACER, 13/32" (4.2270)						2					
	123435	BOLT, 1/4"-28X5/8" (12.9001)								2			
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)						2					
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1										
	179839	BOLT, 3/8"-16X1" (12.9001)			1								
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)											1
	186627	BOLT, 3/8"-24X1" (12.9001)						1					
	120392	WASHER, 1/4" (12.9190)						AR		AR			
	120393	WASHER, 5/16" (12.9190)						AR					
	103341	WASHER, 3/8" (12.9190)						AR					
	103319	LOCKWASHER, 1/4" (12.9200)								2			
	103321	LOCKWASHER, 3/8" (12.9200)	1		1			1					
	117049	NUT, 3/8"-24 HEX. (12.9120)						1					
	102635	NUT, 3/8"-16 HEX. (12.9120)	1		1								
		2.5100 - TUBE, PUMP TO FILTER											
4A	5199575	HOSE, BULK #6X25 FT. (14" L.) (12.8550)				1		1					
4A	5199576	HOSE, BULK #8X25 FT. (18.5"L.) (12.8550)								1		1	
4A	5199575	HOSE, BULK #6X25 FT. (35"L.) (12.8550)	1										
4A	5199575	HOSE, BULK #6X25 FT. (36"L.) (12.8550)								1		1	
4A	5199575	HOSE, BULK #6X25 FT. (41"L.) (12.8550)			1								
4A	5199576	HOSE, BULK #8X25 FT. (41"L.) (12.8550)									1		
4A	5199575	HOSE, BULK #6X25 FT. (42"L.) (12.8550)											1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12662	12663	12664	12665	12666	12668	12669	12670	12671	12672	12673
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)											
4A	5199576	HOSE, BULK #8X25 FT. (43"L.) (12.8550)					1						
4A	5199575	HOSE, BULK #6X25 FT. (60"L.) (12.8550)		1									
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	1		1	1		1		1		1	
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)				1		1		1		1	
4A	5199593	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG. (12.9534)	1		1								
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)		2									2
	5199580	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.9534)					1			1	2	1	
	5199594	FITTING, HOSE 3/4"-18 INV. FL. 45 DEG. (12.9534)					1			1		1	
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			1								
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2	1	1		1		1		1	2
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)					2			2	2	2	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1		1					
	9432266	CONNECTOR, 3/8" TUBE, 1/8" PIPE (12.9460)								1		1	
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)			1								
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)								1		1	
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE											
	2362448	CLIP, #8 HOSE (NEOPRENE) (12.8554)					3			2		2	
	2488022	CLIP, #6 HOSE (NEOPRENE) (12.8554)	1		1					1		1	1
	5146786	CLIP, 3/8" (NEOPRENE) (2.5070)		4									
	5173022	SUPPORT, CLIP (5.5379)								1		1	
	5159347	SPACER, 3/4"X1/2" (7.1581)					2						
	179839	BOLT, 3/8"-16X1" (12.9001)								1		1	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					2						
	103341	WASHER, 3/8" FLAT (12.9190)								1		1	
	103321	LOCKWASHER, 3/8" (12.9200)								1		1	
	102635	NUT, 3/8"-16 HEX. (12.9120)								1		1	
		2.5149 - TUBE, FILTER TO CYLINDER HEAD											
4A	5199575	HOSE, BULK #6X25 FT. (8.5"L.) (12.8550)				1		1					
4A	5199575	HOSE, BULK #6X25 FT. (11"L.)										1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12662	12663	12664	12665	12666	12668	12669	12670	12671	12672	12673
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)											
		(12.8550)											
4A	5199575	HOSE, BULK #6X25 FT. (12.5"L.) (12.8550)								1			
4A	5199575	HOSE, BULK #6X25 FT. (25"L.) (12.8550)		1									
4A	5199575	HOSE, BULK #6X25 FT. (26"L.) (12.8550)				1		1				1	
4A	5199575	HOSE, BULK #6X25 FT. (27"L.) (12.8550)								1			
4A	5199575	HOSE, BULK #6X25 FT. (30"L.) (12.8550)					1						
4A	5199575	HOSE, BULK #6X25 FT. (34"L.) (12.8550)									1		
4A	5199575	HOSE, BULK #6X25 FT. (36"L.) (12.8550)	1										
4A	5199575	HOSE, BULK #6X25 FT. (39"L.) (12.8550)					1						
4A	5199575	HOSE, BULK #6X25 FT. (44"L.) (12.8550)											1
4A	5199575	HOSE, BULK #6X25 FT. (53"L.) (12.8550)			1						1		
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	1	2	2	1	4	2		2	3	2	1
	5199593	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG. (12.9534)			1	1		1					
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)	1			1		1		2	1	2	1
	5101020	TUBING, WRAP (5"L.) (7.7020)		2	2	1		1	1		1	1	
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)				1		1		1	1	1	1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		2	2	3	2	3		1	2		1
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					2				1	1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)								1	1	1	
	9432267	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)									1		
	444002	ADAPTOR, 3/8" (4.6020)		1									
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER											
	5199575	HOSE, BULK #6X25 FT. (16"L.) (12.9550)	1	1	1								1
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	2	2	2								2
	5101020	STRAP, HOSE (2.5255)	2	1	1	2	2	1		1	1	1	2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12626	12663	12664	12665	12666	12668	12669	12670	12671	12672	12673
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER (CONT'D)											
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2	2								2
	2488022	CLIP, 3/8" (NEOPRENE) (2.5100)	1										
	5126504	SUPPORT, CLIP (4.1512)	1										
	123435	BOLT, 1/4"-28X5/8" (12.9001)	1										
	120392	WASHER, 1/4" FLAT (12.9190)	2										
	103321	LOCKWASHER, 3/8" (12.9200)	1										
	121902	NUT, 1/4"-28 HEX. (12.9120)	1										
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE											
	2488022	CLIP, #6 HOSE (NEOPRENE) (12.8554)	1	1		1	4	1		1			4
	2362448	CLIP, #8 HOSE (NEOPRENE) (12.8554)								2	2		
	5126504	SUPPORT, CLIP (4.1512)				1	3	1					
	5108612	BRACKET, CLIP (4.4345)					1						
	179796	BOLT, 1/4"-20X7/8" (12.9001)		1		1	1	1		1	1		1
	181314	BOLT, 1/4"-28X7/8" (12.9001)				1	1	1		1			
	179839	BOLT, 3/8"-16X1" (12.9001)					2				2		2
	122408	BOLT, 1/2"-13X1" (12.9001)					1						
	120392	WASHER, 9/32" PLAIN (12.9190)				2	2	2		2			
	103319	LOCKWASHER, 1/4" (12.9200)		2		2	2	2		2	2		2
	103321	LOCKWASHER, 3/8" (12.9200)					2				2		2
	103323	LOCKWASHER, 1/2" (12.9200)					1						
	121902	NUT, 1/4"-28 HEX. (12.9120)				1	1	1		1			
	102635	NUT, 3/8"-16 HEX. (12.9120)					2				2		2
		2.5205 - TUBE, FUEL DRAIN CROSSOVER											
	5199575	HOSE, BULK #6X25 FT. (16"L.) (12.8550)	1	1	1	1	1	1		1	1		1
	5199575	HOSE, BULK #6X25 FT. (10.5"L.) (12.8550)										1	
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	2	2	2	2	2	2		2	2	1	2
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)										1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	1	1	1	1		1	1	1	1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)		1	1	1	1	1		1	1	1	1
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)		1	1	1	1	1		1	1	1	1
	2488022	CLIP, #6 HOSE (NEOPRENE) (12.8554)		2	1						1		1
	5146786	CLIP, 3/8" (NEOPRENE) (12.8554)			1								
	5126504	SUPPORT, CLIP (4.1512)		1							1		1
	5114210	SUPPORT, CLIP (4.8042)		1									
	5108612	BRACKET, CLIP (4.4345)			1								
	181314	BOLT, 1/4"-28X7/8" (12.9001)		1	1						1		1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12662	12663	12664	12665	12666	12668	12669	12670	12671	12672	12673
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)											
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1									
	179839	BOLT, 3/8"-16X1" (12.9001)			1								
	122233	BOLT, 7/16"-14X5/8" (12.9001)		1									
	122408	BOLT, 1/2"-13X1" (12.9001)			1								
	120392	WASHER, 9/32" PLAIN (12.9190)		2	2						2		2
	103319	LOCKWASHER, 1/4" (12.9200)			AR						AR		AR
	103321	LOCKWASHER, 3/8" (12.9200)		2	1								
	103323	LOCKWASHER, 1/2" (12.9200)			1								
	121902	NUT, 1/4"-28 HEX. (12.9120)		1	1						1		1
	102635	NUT, 3/8"-16 HEX. (12.9120)			1								
	117049	NUT, 3/8"-24 HEX. (12.9120)		1									
		2.5210 - TUBE, FUEL DRAIN											
	5199575	HOSE, BULK #6X25 FT. (25"L.) (12.8550)			1				1				
	5199575	HOSE, BULK #6X25 FT. (37"L.) (12.8550)					1	1					
	5199575	HOSE, BULK #6X25 FT. (12"L.) (12.8550)							1				
	5199575	HOSE, BULK #6X25 FT. (16"L.) (12.8550)							1				
	5199575	HOSE, BULK #6X25 FT. (33"L.) (12.8550)	1	1		1				1		1	1
	5199575	HOSE, BULK #6X25 FT. (34"L.) (12.8550)									1		
	5199575	HOSE, BULK #6X25 FT. (45"L.) (12.8550)											
	5199597	FITTING, HOSE 1/2"-20 INV. FL. 45 DEG. (12.9534)	1	1	1	1	1	1		1	1	1	1
	5199583	FITTING, HOSE 1/2"-20 INV. FL. STR. (12.9534)							2				
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	1	1	1	1	1	1		1	1	1	1
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)							2				
	5128927	ELBOW, 5/16" (.080" RESTRICTION) (2.4001)	1	1	1	1		1					1
	5116440	ELBOW, 5/16" (.070" RESTRICTED)							2				
	5177828	ELBOW, 5/16" (.065" RESTRICTION) (2.5210)					1						
	5112892	ELBOW, 5/16" (.106" RESTRICTED)								1	1	1	
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)							1				
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1	1	1	1	3	1	1	1	1
	5130679	CONNECTOR, 3/8" FL. TUBE (.70"							2				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12662	12663	12664	12665	12666	12668	12669	12670	12671	12672	12673
		2.5210 - TUBE, FUEL DRAIN (CONT'D)											
		RESTR.)											
	5144358	CONNECTOR (1.2001)							4				
	5101020	STRAP, HOSE (2.5255)	1		1						2	2	1
		2.5220 - CLIP, FUEL DRAIN TUBE											
	2488022	CLIP, 3/8" (NEOPRENE) (2.5100)	2	2	1	3	2	2		3	3	2	
	5108612	BRACKET, CLIP (4.4345)									1		
	5155464	BRACKET, CLIP (7.1582)											2
	5177362	SPACER (2.9643)											1
	179839	BOLT, 3/8"-16X1" (12.9001)								2	2	2	
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)											1
	122408	BOLT, 1/2"-13X1" (12.9001)									1		
	103341	WASHER, 3/8" FLAT (12.9190)				2				1			
	103321	LOCKWASHER, 3/8" (12.9200)								2	2	2	
	103323	LOCKWASHER, 1/2" (12.9200)									1		
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION											
	5100246	BLOCK							1				
	5121182	PLUG, 1/4" PIPE (12.9550)							1				
	214054	BOLT, 5/16"-18X6 1/4" (12.9001)							1				
		2.5255 - SHIELDING, FLEXIBLE HOSE											
	5101020	STRAP, HOSE		3				5		5			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12741	12761	12781	12801	12811	12821	12831	12841	12851	12861	12871	12881
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5109734	VALVE (SWING)						1						
	108686	ELBOW, 1/2" STREET 90 DEG. (12.9510)						1						
	121208	NIPPLE, 1/2"X1 1/8" PIPE (12.9560)						1						
	138105	TEE, 1/2" PIPE (12.9616)						1						
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
4A	5199576	HOSE, BULK #8X25 FT. (33"L.) (12.8550)		1										
4A	5199580	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.9534)		2										
4A	225828	ELBOW, 1/2" INV. FL. TUBE (12.9480)		1										
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)		1										
		2.5020 - CLIP, FUEL SUPPLY TO FUEL STRAINER TUBE												
	2362448	CLIP, 1/2" NEOPRENE		1										
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP												
4A	5199576	HOSE, BULK #8X25 FT. (56"L.) (12.8550)				1								
4A	5199576	HOSE, BULK #8X25 FT. (51"L.) (12.8550)					1							
4A	5199576	HOSE, BULK #8X25 FT. (16"L.) (12.8550)						1						
4A	5199576	HOSE, BULK #8X25 FT. (47"L.) (12.8550)							1					
4A	5199576	HOSE, BULK #8X25 FT. (33"L.) (12.8550)								1				
4A	5199576	HOSE, BULK #8X25 FT. (31"L.) (12.8550)									1			
4A	5199576	HOSE, BULK #8X25 FT. (35"L.) (12.8550)										1		
4A	5199580	FITTING, HOSE 3/8"-18 INV. FL. STR. (12.9534)				1	2	1	2	2	2	1		
4A	5199594	FITTING, HOSE 3/8"-18 INV. FL. 45 DEG. (12.9534)				1		1						
4A	5199589	FITTING, HOSE 3/4"-18 INV. FL. 90 DEG. (12.9534)										1		
4A	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)				1	2	1	2	1	1	2		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12740	12760	12780	12801	12802	12803	12804	12805	12806	12807	12808
		2.5055 - TUBE, STRAINER TO FUEL PRIMER PUMP											
	5199575	HOSE, BULK #6X25 FT. (21"L.) (12.8550)					1						
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)					1						
	5199588	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)					1						
	5147206	TUBING, WRAP (5"L.)					1						
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1						
	9432266	CONNECTOR, 3/8" TUBE 1/8" PIPE (12.9460)					1						
	142269	BUSHING, 1/2"X3/8" (12.9570)					1						
		2.5060 - TUBE, FUEL PUMP INLET											
	5199576	HOSE, BULK #8X25 FT. (33"L.) (12.8550)	1										
	5199580	FITTING, HOSE INV. FL. STR. (12.9534)	2										
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	1										
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)	1										
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE											
	2488022	CLIP, 3/8" (NEOPRENE) (2.5100)	1			1							
	2362448	CLIP, 1/2" (NEOPRENE) (2.5100)	1			1		1	1		2		
	5173022	BRACKET, CLIP (5.5379)						1			2		
	179839	BOLT, 3/8"-16X1" (12.9001)						1					
	181360	BOLT, 3/8"-24X3/4" (12.9001)									2		
	103341	WASHER, 3/8" FLAT (12.9190)						1					
	103321	LOCKWASHER, 3/8" (12.9200)						1			2		
	102635	NUT, 3/8"-16 HEX. (12.9120)						1					
	117049	NUT, 3/8"-24 HEX. (12.9120)									2		
		2.5100 - TUBE, PUMP TO FILTER											
	5199576	HOSE, BULK #8X25 FT. (18"L.) (12.8550)	1				1						
	5199575	HOSE, BULK #6X25 FT. (14"L.) (12.8550)		1									
	5199576	HOSE, BULK #8X25 FT. (58"L.) (12.8550)			1								
	5199576	HOSE, BULK #8X25 FT. (43"L.) (12.8550)				1							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1274	1276	1278	1280	1281	1282	1283	1284	1285	1286	1287	1288
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)												
	5199576	HOSE, BULK #8X25 FT. (18.5"L.) (12.8550)							1					
	5199575	HOSE, BULK #6X25 FT. (17"L.) (PRIMER PUMP TO FILTER) (12.8550)						1						
	5199575	HOSE, BULK #6X25 FT. (13"L.) (12.8550)								1	1			
	5199576	HOSE, BULK #8X25 FT. (20"L.) (12.8550)										1		
	5199575	HOSE, BULK #6X25 FT. (29"L.) (12.8550)												
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)		1				1		1		1		
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)		1				1		1				
	5199580	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.9534)	1			1	1	1	1		1			
	5199594	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.9534)	1			1	1	1	1		1	1		
	5199593	FITTING, HOSE INV. FL. 45 DEG. (12.9534)												
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		2				1		1		3		
	9432248	ELBOW, 3/8" INV. FL. TUBE (12.9480)						1						
	143340	ELBOW, 1/2" INV. FL. TUBE 45 DEG. (12.9480)	1			1					1			
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	1			1	2	2	2	1	1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)						1						
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	2488022	CLIP, #6 HOSE (NEOPRENE) (12.8554)					1					2		
	2362448	CLIP, #8 HOSE (NEOPRENE) (12.8554)					1							
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
	5199575	HOSE, BULK #6X25 FT. (12"L.) (12.8550)	1											
	5199575	HOSE, BULK #6X25 FT. (27"L.) (12.8550)	1	1				1	1					
	5199575	HOSE, BULK #6X25 FT. (10"L.) (12.8550)		1										
	5199575	HOSE, BULK #6X25 FT. (53"L.) (12.8550)				1								

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12741	12761	12781	12801	12811	12821	12831	12841	12851	12861	12871	12881
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)												
	5199575	HOSE, BULK #6X25 FT. (67"L.) (12.8550)				1								
	5199575	HOSE, BULK #6X25 FT. (45"L.) (12.8550)					1							
	5199575	HOSE, BULK #6X25 FT. (10"L.) (12.8550)					1							
	5199575	HOSE, BULK #6X25 FT. (12.5"L.) (12.8550)						1	1					
4A	5199575	HOSE, BULK #6X25 FT. (8.5"L.) (12.8550)								1				
4A	5199575	HOSE, BULK #6X25 FT. (26"L.) (12.8550)								1				
4A	5199575	HOSE, BULK #6X25 FT. (17"L.) (12.8550)									1			
4A	5199575	HOSE, BULK #6X25 FT. (29"L.) (12.8550)									1	1		
4A	5199575	HOSE, BULK #6X25 FT. (16"L.) (12.8550)										1		
	5101020	TUBING, WRAP (5"L.) (7.7020)		1		1	1	1	1	1		2		
	5101020	TUBING, WRAP (8"L.) (7.7020)		1		4	1	1				1		
	5101020	TUBING, WRAP (14"L.) (7.7020)									2			
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	2	2		2	3	2	2	2	2	3		
	5199593	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG. (12.9534)		1						1				
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)	2	1		2	1	2	2	1	2	1		
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	1	1		1	2	1	1	1	1			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	3		1	1	1	1	3	1	2		
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1							
	444002	ADAPTOR, 3/8" (4.6020)	1			1		1			1			
	9432267	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2			2		2	2		2			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										2		
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE												
	2488022	CLIP, #6 HOSE (NEOPRENE) (12.8554)	2	1	1	1	2	1	1	1	1	2		
	5155464	BRACKET, TUBE (7.1582)					2							
	5130913	BRACKET, CLIP (7.4597)									1			
	5126504	SUPPORT, CLIP (4.1512)	1	1	1	1		1	1	1				
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1	1		1	1			1		
	123435	BOLT, 1/4"-28X5/8" (12.9001)				1				1				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12741	12761	12781	12801	12811	12821	12831	12841	12851	12861	12871	12881
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE (CONT'D)												
	181314	BOLT, 1/4"-28X7/8" (12.9001)	1	1	1			1	1			1		
	180120	BOLT, 3/8"-16X3/4" (12.9001)									1			
	179839	BOLT, 3/8"-16X1" (12.9001)					2							
	120392	WASHER, 9/32" PLAIN (12.9190)	2	2	3	2		2	2	2				
	103341	WASHER, 3/8" FLAT (12.9190)									AR			
	103319	LOCKWASHER, 1/4" (12.9200)	2	2	2	2		2	2	2		2		
	103321	LOCKWASHER, 3/8" (12.9200)					AR				AR			
	121902	NUT, 1/4"-28 HEX. (12.9120)	1	1	1	1		1	1	1				
	102635	NUT, 3/8"-16 HEX. (12.9120)					2			1				
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
	5199575	HOSE, BULK #6X25 FT. (10.5"L.) (12.8550)					1						1	1
	5199575	HOSE, BULK #6X25 FT. (16"L.) (12.8550)	1	1	1	1		1	1	1	1	1		
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	2	1	2	2	1	2	2	2	2	2	1	1
	5199588	FITTING, HOSE 5/8" INV. FL. 90 DEG. (12.9534)					1						1	1
	5199583	FITTING, HOSE 5/8" INV. FL. (12.9534)		1										
	5147206	TUBING, WRAP (5") (7.7020)				1	1	1		1				
	5147206	TUBING, WRAP (8") (7.7020)					1			1				
	5128927	ELBOW, 5/16" (.080" RESTRICTION)					1							
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1		1	1	1	1	1	1	1	1	1
	225828	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1									
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)	1	1	1	1	1	1	1	1	1	1	1	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1							
		2.5212 - COOLER ASSY., FUEL												
	5136348	COOLER ASSY.	1	1										
		2.5214 - TUBE, FUEL COOLER												
	5199575	HOSE, BULK #6X25 FT. (16"L.) (12.8550)	1											
	5199575	HOSE, BULK #6X25 FT. (72"L.) (12.8550)	1											
	5199575	HOSE, BULK #6X25 FT. (43"L.) (12.8550)		1										
	5199575	HOSE, BULK #6X25 FT. (25"L.)		1										

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12741	12761	12781	12801	12811	12821	12831	12841	12851	12861	12871	12881
		2.5214 - TUBE, FUEL COOLER (CONT'D)												
		(12.8550)												
	5137624	+ HOSE, 2 1/2" X 1" SLIT (7.8417) (5136037)	1											
	5173450	+ HOSE, 2" X 2.50" (5.3330) (5141193)		2										
	5163824	+ HOSE, FLEX. #2 X 2" L. (5.5330) (5199778)	3											
	5141193	TUBE, 2"X4 1/2"	3	2										
	5199597	FITTING, HOSE 1/2"-20 INV. FL. 45 DEG. (12.9534)	1	1										
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	4	3										
	5147206	TUBING, WRAP (5"L.) (7.7020)		2										
	5177828	ELBOW, 5/16" (.065" RESTRICTION) (2.5210)	1											
	5128927	ELBOW, 5/16" (.080" RESTRICTION) (2.4001)		1										
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2										
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1										
	2488022	*CLIP, #6 HOSE (NEOPRENE) (12.8554)*	2	2										
	5108249	CLIP, (5.2190)		1										
	5186841	CLAMP, HOSE (2 1/2") (12.9660)	6	2										
	9139809	CLAMP, HOSE (3") (12.9660)	1	4										
	5127861	BRACKET, CLIP (7.1587)	1											
	5142561	BRACKET, CLIP (2.5211)		1										
	5181319	BRACKET (5.5070)		1										
	5173022	SUPPORT, CLIP (5.5379)	1											
	179819	BOLT, 5/16-18X1 1/8" (12.9001)		1										
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	1											
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1											
	179858	BOLT, 7/16"-14X1" (12.9001)		1										
	120392	WASHER, 9/32" PLAIN (12.9190)	1											
	106261	WASHER, 5/16"X3/4" (12.9190)		1										
	103321	LOCKWASHER, 3/8" (12.9200)	1											
	103320	LOCKWASHER, 5/16" (12.9200)		1										
	117049	NUT, 3/8"-24 HEX. (12.9120)	1											
	102634	NUT, 5/16"-18 (12.9120)		1										
		+ NOT SERVICED, USE NUMBER IN PARENTHESES AND CUT TO DESIRED LENGTH.												
		2.5215 - TUBE, FUEL DRAIN												
	5199575	HOSE, BULK #6X25 FT. (25"L.) (12.8550)				1								
	5199575	HOSE, BULK #6X25 FT. (33"L.) (12.8550)									1	1		
	5199575	*HOSE, BULK #6X25 FT. (34"L.)* (12.8550)							1					
	5199575	HOSE, BULK #6X25 FT. (37"L.) (12.8550)			1			1					1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12741	12761	12781	12801	12811	12821	12831	12841	12851	12861	12871	12881
		2.5215 - TUBE, FUEL DRAIN (CONT'D)												
	5199575	HOSE, BULK #6X25 FT. (45°L.) (12.8550)								1	1			
	5199597	FITTING, HOSE 1/2"-20 INV. FL. 45 DEG. (12.9534)			1	1		1	1	1	1	1	1	1
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)			1	1		1	1	1	1	1	1	1
	5177828	ELBOW, 5/16" (.065" RESTRICTION) (2.5210)			1	1		1			1			1
	5128927	ELBOW, 5/16" (.080" RESTRICTION) (2.5210)								1		1	1	
	5112892	ELBOW, 5/16" (.106" RESTRICTION) (2.5210)							1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1	1		1	1	1	1	1		1
		2.5220 - CLIP, FUEL DRAIN TUBE												
	2488022	CLIP, #6 HOSE (NEOPRENE) (12.8554)			1	2	2	2	3	3	1	4	2	2
	2362448	CLIP, #8 HOSE (NEOPRENE) (12.8554)					1		1		1			
	5130913	BRACKET, CLIP (7.4597)									1			
	5126504	SUPPORT, CLIP (4.1512)										1		
	5160425	SPACER, 13/32" I.D. (2.3267)					1							
	123435	BOLT, 1/4"-28X5 (12.9001)										1		
	179839	BOLT, 3/8"-16X1" (12.9001)									1			
	120392	WASHER, 9/32" PLAIN (12.9190)										2		
	103321	LOCKWASHER, 3/8" (12.9200)									1	1		
	121902	NUT, 1/4"-28 HEX. (12.9120)										1		
	102635	NUT, 3/8"-16 HEX. (12.9120)									1			
		2.5255 - SHIELDING, FLEXIBLE HOSE												
	5101020	STRAP, HOSE							5		9	1		
	5147206	TUBING, SPIRAL WRAP 27"L.							5					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1289	1301	1308	1309	1358	1359	1366	1379	1381	1384	1386	1399	1432	1433
		2.5006 - VALVE, FUEL SUPPLY CHECK														
		▪ FOR TYPE 1430 USE TYPE 1579.▪														
	5135308	VALVE, 3/8							1							
	5109734	VALVE (SWING)											1			
	108686	ELBOW, 1/2" STREET 90 DEG. (12.9510)											1			
	121208	NIPPLE, 1/2"X1 1/8" PIPE (12.9560)											1			
		2.5050 - TUBE, FUEL STRAINER TO FUEL PUMP														
	5199576	HOSE, BULK #8X25 FT. (33"L.) (12.8550)						1								
	5199576	HOSE, BULK #8X25 FT. (30"L.) (12.8550)				1										
	5144537	HOSE, #8X25 1/2"L.							1							
4A	5199576	HOSE, BULK #8X25 FT. (36.7"L.) (12.8550)								1				1		
4A	5199576	HOSE, BULK #8X25 FT. (25"L.) (12.8550)									1					
	444000	ADAPTOR, 1/4"-18 PIPE (12.9575) (12.9534)									1					
	5199580	FITTING, HOSE 3/8"-18 INV. FL. STR. (12.9534)				1		2		2		1		2		
	5199594	FITTING, HOSE 3/8"-18 INV. FL. 45 DEG. (12.9534)										1				
	5199589	FITTING, HOSE 3/4"-18 INV. FL. 90 DEG. (12.9534)				1										
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)				1			1		2	1		1		
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)												1		
	143340	ELBOW, 1/2" INV. FL. TUBE 45 DEG. (12.9480)						1								
	444002	ADAPTOR, 3/8" (4.6020)												1		
		2.5060 - TUBE, FUEL PUMP INLET														
	5199576	HOSE, BULK #8X25 FT. (47"L.) (12.8550)				1										
	5199577	HOSE, BULK #10X25 FT. (45.2"L.) (12.8550)													1	1
	5199580	FITTING, HOSE INV. FL. STR. (12.9534)				1										
	5199581	FITTING, HOSE 7/8"-18 INV. FLR. STR. (12.9534)													1	1
	5199594	FITTING, HOSE 3/4"-18 INV. FL. 90 DEG. (12.9534)				1										
	5199590	FITTING, HOSE 7/8"-18 INV. FL. 45 DEG. (12.9534)													1	1
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)				1										2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12889	13011	13088	13099	13588	13599	13666	13779	13811	13844	13866	13999	14432	14433
		2.5060 - TUBE, FUEL PUMP INLET (CONT'D)														
	9434182	ELBOW, 5/8" INV. FL. TUBE 90 DEG. (12.9480)													1	1
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)				1										
	442325	CONNECTOR, 5/8" INV. FL. TUBE (12.9460)													1	1
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE														
	3291251	CLIP, 5/8" (1.1060)							1							
	2362448	CLIP, 1/2" (NEOPRENE) (2.5100)						1						1		2
	5146788	CLIP, 5/8" (NEOPRENE)													1	1
	5143841	BRACKET, CLIP														2
	5113488	SPACER, 5/16"X9/16"X5/16" (2.9410)													1	1
	5159347	SPACER, 3/4"X1/2" (7.1581)														2
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)													1	1
	179839	BOLT, 3/8"-16X1" (12.9001)														2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)														2
	103341	WASHER, 3/8" FLAT (12.9190)														4
	103321	LOCKWASHER, 3/8" (12.9200)														4
	102635	NUT, 3/8"-16 HEX. (12.9120)														2
		2.5100 - TUBE, PUMP TO FILTER														
	5199575	HOSE, BULK #6X25 FT. (14"L.) (12.8550)	1													
4A	5199575	HOSE, BULK #6X25 FT. (49"L.) (12.8550)				1										
4A	5199575	HOSE, BULK #6X25 FT. (24" L.) (12.8550)					1									
4A	5199575	HOSE, BULK #6X25 FT. (34.3"L.) (12.8550)						1								
	5135210	HOSE, 5/16"X21 1/2"L.							1							
4A	5199575	HOSE, BULK #6X25 FT. (28.3"L.) (12.8550)								1						
	5199575	HOSE, BULK #6X25 FT. (23"L.) (12.8550)									1					
	5199576	HOSE, BULK #8X25 FT. (21.9"L.) (12.8550)												1		
	5199576	HOSE, BULK #8X25 FT. (29" L.) (12.8550)					1									
	5199576	HOSE, BULK #8X25 FT. (43"L.) (12.8550)													1	
	5199579	FITTING, HOSE 5/8" INV. FL. STR. (12.9534)					2	2		2						
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	1			1						1				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12899	13001	13008	13009	13589	13599	13666	13779	13811	13844	13866	13999	14432	14433
		2.5100 - TUBE, PUMP TO FILTER (CONT'D)														
	5199580	FITTING, HOSE 3/4"-18 INV. FL. TUBE (12.9534)					1							1	1	
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)	1													
	5199589	FITTING, HOSE 3/4"-18 INV. FL. 90 DEG. (12.9534)					1								1	
	5199593	FITTING, HOSE INV. FL. 45 DEG. (12.9534)				1						1				
	5199594	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.9534)												1		
	148338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)					1	1			1					
	5125884	ELBOW, 3/8"X90 DEG. (2.5150)							1							
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1			1	1	1		2	2	2				
	137425	ELBOW, 1/8" INV. FL. TUBE 90 DEG. (12.9480)												1	1	
	143340	ELBOW, 1/2" INV. FL. TUBE 45 DEG. (12.9480)												1	1	
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)							1							
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1			1										
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE														
	5153473	CLIP, 1/2" (4.6040)							1							
	2362488	CLIP, (#8 HOSE) (NEOPRENE) (12.8554)													3	3
	5143841	BRACKET, CLIP (2.5180)													2	2
	5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)													2	2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)													2	2
	179838	BOLT, 3/8"-16X7/8" (12.9001)														1
	103341	WASHER, 3/8" FLAT (12.9190)													2	2
	103321	LOCKWASHER, 3/8" (12.9200)													2	2
	102635	NUT, 3/8"-16 HEX. (12.9120)														3
		2.5149 - TUBE, FILTER TO CYLINDER HEAD														
4A	5199575	HOSE, BULK #6X25 FT. (45"L.) (12.8550)						1								
4A	5199575	HOSE, BULK #6X25 FT. (8.5"L.) (12.8550)	1													
4A	5199575	HOSE, BULK #6X25 FT. (26"L.) (12.8550)	1													
4A	5199575	HOSE, BULK #6X25 FT. (29"L.) (12.8550)						1								
4A	5199575	HOSE, BULK #6X25 FT. (16"L.)				1										

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12891	13001	13008	13009	13589	13596	13779	13811	13884	13886	13999	14432	14433
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)													
		(12.8550)													
4A	**5199575**	HOSE, BULK #6X25 FT. (36" L.) (12.8550)				1	1								
4A	**5199575**	HOSE, BULK #6X25 FT. (22" L.) (12.8550)					1								
	5199575	HOSE, BULK #6X25 FT. (57.22"L.) (12.8550)												1	
	5199575	HOSE, #6X25 FT. (25.2"L.) (12.8550)												1	
	5199575	HOSE, #6X25"FT. (30.2"L.) (12.8550)											1		
	5199575	HOSE, #6X25 FT. (15.2"L.) (12.8550)											1		
4A	**5144536**	HOSE, #6X27"L.						1							
4A	**5136331**	HOSE, #6X13"L. (2.5050)						1							
4A	**5199575**	HOSE, BULK #6X25 FT. (25.2"L.) (12.8550)							1						
4A	**5199575**	HOSE, BULK #6X25 FT. (33.6"L.) (12.8550)							1						
4A	**5199575**	HOSE, BULK #6X25 FT. (19"L.) (12.8550)								1					
4A	**5199575**	HOSE, BULK #6X25 FT. (33"L.) (12.8550)								1					
	5101020	TUBING, WRAP (8"L.) (7.7020)				1	1								
	5101020	TUBING, WRAP (14"L.) (7.7020)				1							2		
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	2			4		2		2		2	2	2	3
	5199593	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG. (12.9534)	1					1		1					
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)	1					1		1			2	2	
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	1			1		2		1		1	1		
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				2	2	2	1	3		3	1	1	
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)												2	3
	118755	ELBOW, 3/8" 90 DEG. FL. TUBE (12.9390)							1						
	9432267	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)											2		
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)							1						
	5144358	CONNECTOR (1.2001)												4	4
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1					1	
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE													
	5168001	CLIP, 1/2"							1						
	2488022	CLIP, #6 HOSE (NEOPRENE) (12.8554)	1			1	1	1		1		1		1	2	3
	2362488	CLIP, #8 HOSE (NEOPRENE) (12.8554)													2	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12891	13011	13088	13098	13358	13596	13669	13791	13811	13844	13866	13992	14432	14433
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE (CONT'D)														
	5130913	BRACKET, CLIP (7.4597)	1													
	5126504	SUPPORT, CLIP (4.1512)	1			1	1	1				1		1		
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1			1	1	1		1	1			1		
	123435	BOLT, 1/4"-28X5/8" (12.9001)	1			1	1	1		1		1		1		
	179839	BOLT, 3/8"-16X1" (12.9001)													2	
	120392	WASHER, 9/32" PLAIN (12.9190)	2			2	2	2		2		2		2		
	103341	WASHER, 3/8" FLAT (12.9190)	AR												2	
	103319	LOCKWASHER, 1/4" (12.9200)	2			2	2	2		2	2	2		2		
	103321	LOCKWASHER, 3/8" (12.9200)													2	
	121902	NUT, 1/4"-28 HEX. (12.9120)	1			1	1	1		1		1		1		
		2.5205 - TUBE, FUEL DRAIN CROSSOVER														
	5199575	HOSE, BULK #6X25 FT. (13.25"L.) (12.8550)		1												
	5199575	HOSE, BULK #6X25 FT. (13.7") (12.8550)	1			1	1					1				
	5199575	HOSE, BULK #6X25 FT. (19.3"L.) (12.8550)						1		1				1		
	5199575	HOSE, BULK #6X25 FT. (33"L.) (12.8550)										1				
	5199575	HOSE, BULK #6X25 FT. (36.5"L.) (12.8550)								1						
	5199575	HOSE, BULK #6X25 FT. (45"L.)												1		
	5143769	HOSE, #5X14 1/2"L. (2.5210)							1							
	5199597	FITTING, HOSE 1/2"-20 INV. FL. 45 DEG. (12.9534)								1		1		1		
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	2		2									3		
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)		1	1					3		3				
	5199588	FITTING, HOSE 5/8" INV. FL. 90 DEG. (12.9534)		1												
	5147206	TUBING, WRAP (5") (7.7020)				2						1				
	5147206	TUBING, WRAP (8") (7.7020)										1				
	5147206	TUBING, WRAP (14") (7.7020)										1				
	5101020	STRAP, HOSE (2.5255)												1		
	5128927	ELBOW, 5/16" (.080" RESTRICTION)								1		1				
	5112892	ELBOW, 5/16" (.1065 RESTRICTION)			1									1		
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)							1							
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	3		1	3	1	1		1		1		1		
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)							1							
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1	1	1	1	1	1	1		1		1		
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)	1		1	1	1	1		1		1		1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12891	13011	13088	13099	13558	13599	13666	13779	13811	13844	13866	13999	14432	14433
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)														
	5129843	TEE, 5/16" RESTRICTED (.01065") (12.9496)							1							
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)								1		1		1		
	2488022	CLIP, #6 HOSE NEOPRENE (12.8554)								2		2		1		
	5145014	PLUG, 3/8" PIPE (12.9550)							1							
	103341	WASHER, 3/8" FLAT (12.9190)										2				
		2.5215 - TUBE, FUEL DRAIN														
	5199575	HOSE, BULK #6 X 25 FT. (12" L.) (12.8550)		1												
	5199575	HOSE, BULK #6 X 25 FT. (15" L.)													1	1
	5199575	HOSE, BULK #6X25 FT. (25"L.) (12.8550)				1										
	5199575	HOSE, BULK #6X25 FT. (33"L.) (12.8550)	1													
	5199575	HOSE, BULK #6X25 FT. (37"L.) (12.8550)					1									
	5199575	HOSE, BULK #6X25 FT. (40.5"L.) (12.8550)						1								
	5102378	TUBE (DEV.L. 28.50")													1	1
	5102377	TUBE (DEV.L. 20.75")													1	1
	5199583	FITTING, HOSE 1/2"-20 INV. FL. STR. (12.9534)		1												
	5199597	FITTING, HOSE 1/2"-20 INV. FL. 45 DEG. (12.9534)	1	1			1	1								
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG.		1												
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	1				1	1							2	2
	5128927	ELBOW, 5/16" (.080" RESTRICTION) (2.5210)	1	1		1	1									
	5179969	ELBOW, 3/8" TUBE 90 DEG. SEALASTIC (12.9425)													2	2
	5112892	ELBOW, 5/16" (.106" RESTRICTION) (2.5210)		1												
	9432249	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)													1	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1			1	1							1	1
	5145606	NIPPLE, PIPE (CYL. HD. FRT.) (2.5163)		2												
	5102443	SEAL RING 3/8" TUBE SEALASTIC (12.9435)													2	2
	2061210	BUSHING, 3/4"-16 (2.4015)		1												
	131046	LOCKWASHER, 3/4" (12.9200)		1												
	219758	NUT, 3/4"-16 JAM (12.9120)		1												

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12889	13011	13088	13099	13588	13599	13666	13779	13811	13844	13886	13999	14432	14433
		2.5215 - HOSE, FUEL DRAIN (CONT'D)														
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)													2	2
		2.5220 - CLIP, FUEL DRAIN														
	2488022	CLIP, #6 HOSE (NEOPRENE) (12.8554)	3	1		8	2	4								
	2362448	CLIP, #8 HOSE (NEOPRENE) (12.8554)				2										
	5160742	CLIP, 1 1/2"													2	2
	5155464	BRACKET, CLIP (7.1582)				1										
	5145885	BRACKET, CLIP		1												
	5159347	SPACER, 13/32"X3/4"X1/2"				2										
	181314	BOLT, 1/4"-28X7/8" (12.9001)													1	1
	179847	BOLT, 1/4"-28X2" (12.9001)				2										
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)		1												
	103319	LOCKWASHER, 1/4" (12.9200)													1	1
	121902	NUT, 1/4"-28 CAD. (12.9120)													1	1
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION														
	5142784	BLOCK				1										
	5100246	BLOCK													1	1
	5102443	CONNECTOR ASSY. 3/8" REST. (2.5210)													2	
	5181349	SPACER, 25/64"I.D.X.62"LG. (3.3060)													1	1
	5121182	PLUG, 1/4" PIPE (12.9550)				3									1	1
	5115214	PLUG, 1/2" PIPE (12.9550)				1										
	214054	BOLT, 5/16"-18X6 1/4" (12.9001)														1
	447188	BOLT, 5/16"-18X6 3/4" (12.9001)													1	1
	179847	BOLT, 3/8"-16X2" (12.9001)				2										
	103320	LOCKWASHER, 5/16" (12.9200)				2										
		2.5255 - SHIELDING, FLEXIBLE HOSE														
	5147206	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)						2	2							
	5147206	TUBING, SPIRAL WRAP 8"L.						2	2							
	5147206	TUBING, SPIRAL WRAP 14"L.						1	1							
	5101020	STRAP, HOSE													3	3
		2.5490 - PRIMER PUMP, FUEL														

NOTE: FUEL PRIMER PUMPS ARE SERVICED ONLY AS ASSEMBLIES. FOR COMPONENTS CONTACT THE KOHLER CO., KOHLER, WIS CONSIN AND FURNISH THEIR PART NUMBER WHICH APPEARS IN PARENTHESES.

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1289	1301	1308	1309	1358	1359	1366	1379	1381	1384	1386	1399	1432	1433
		2.5490 - PRIMER PUMP, FUEL (CONT'D)														
	5110760	PRIMER (K-2405-1/8-B-6)										1				

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1434	1435	1436	1443	1444	1454	1457	1473	1492	1502	1512	1552	1563	1564
		2.5050 - TUBE, STRAINER TO FUEL PUMP														
		• FOR TYPE 1497 USE TYPE 1502▪. • FOR TYPE 1459 USE TYPE 1583														
4A	**5130687**	HOSE, #6X22 3/4" L.				1										
4A	**5131375**	HOSE, #6X28" L. (2.5210)					1									
4A	**5143623**	HOSE, #8X29 1/2" L. (2.5149)										1				
4A	**5199576**	HOSE, #8X23" L.												1		
4A	**5199577**	HOSE, BULK #10X25 FT. (54" L.) (12.8550)						1								
	5199577	HOSE, BULK #10X25 FT. (CUT L. 48") (12.9550)														1
	5199580	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.8552)												2		
	5199581	FITTING, HOSE 7/8"-18 INV. FL. STR. (12.8552)						1								1
	5199590	FITTING, HOSE 7/8"-18 INV. FL. STR. (12.8552)						1								1
	8924217	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)				1	1									
	193004	ELBOW, 3/8"-90 DEG. TUBE (12.9480)					1									
	8924219	ELBOW, 3/8"-90 DEG. (12.9480)														2
4A	**137425**	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9480)										1		2		
4A	**8924169**	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)										1		1		
	8924219	ELBOW, 3/8"-90 DEG. (12.9480)						1								
	8924178	TEE, 1/4"-18 PIPE (12.9616)				1										
	8924173	ADAPTOR, 3/8" PIPE (12.9565)						1								
	5121182	PLUG, 1/4" PIPE (2.4015)				1	2									
	5101020	STRAP, HOSE (2.5255)										1				
		2.5060 - HOSE, FUEL PUMP INLET														
	5199576	HOSE, BULK #8X25 FT. (36.7" L.) (12.8550)									1					
	5199577	HOSE, BULK #10X25 FT. (52.0"L.) (12.8550)	1	1	1											
	5199580	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.8552)									2					
	5199581	FITTING, HOSE 7/8"-18 INV. FL. STR. (12.8552)	1	1	1											
	5199595	FITTING, HOSE 7/8"-18 INV. FL. 45 DEG. (12.8552)		1												
	5199590	FITTING, HOSE 7/8"-18 INV. FL. 90 DEG. (12.8552)	1		1			1								
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	2								1					
	8924219	ELBOW, 5/8" INV. FL. TUBE 90 DEG. (12.9480)		1	1			1								
	8924169	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)									1					
	442325	CONNECTOR, 5/8" INV. FL. TUBE (12.9460)			1			1								
	8924173	ADAPTOR, 3/8" PIPE (12.9575)									1					
		2.5070 - CLIP, STRAINER TO FUEL PUMP														
	2488022	CLIP, #6 HOSE (12.8554)									1					
	2362448	CLIP, #8 HOSE (NEOPRENE) (12.8554)									1			1		
	5168001	CLIP, 1/2" (12.4095)				1										
	5146788	CLIP, 5/8" (NEOPRENE)	2	4	3			3								3
	5109349	SPACER, 15/32"X1"X.82" (7.1595)			1											

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14344	14354	14364	14434	14444	14454	14571	14732	14902	15022	15122	15522	15632	15644
		2.5070 - CLIP, STRAINER TO FUEL PUMP (CONT'D)														
	5160629	SPACER, 13/32"X7/32" (4.2270)							1							
	5113488	SPACER, 11/32"X9/16"X5/16" (2.9410)			1											
	5143841	BRACKET, CLIP (2.5180)	2	2												
	5159347	SPACER, 3/4"X1/2" (7.1581)	2	2												
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)			1											
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2												
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			1											
	120393	WASHER, 5/16" (12.9190)							1							
	103341	WASHER, 3/8" (12.9190)	4	4												
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR											
	102635	NUT, 3/8"-16 (12.9120)	2	2												
		2.5100 - TUBE, FUEL PUMP TO FILTER														
4A	**5199576**	HOSE, BULK #8X25 FT. (16" L.) (12.8550)												1		
4A	**5199576**	HOSE, BULK #8X25 FT. (21.9" L.) (12.8550)									1					
4A	**5199576**	HOSE, BULK #8X25 FT. (49.5"L.) (12.8550)		1												
4A	**5199576**	HOSE, BULK #8X25 FT. (46.9" L.) (12.8550)						1								
4A	**5199576**	HOSE, BULK #8X25 FT. (50.7"L.) (12.8550)			1											
	5130690	HOSE, 5/16"X17"				1										
	5143623	HOSE, #8X29 3/4" (2.5149)										1				
	5199575	HOSE, BULK #6X25 FT. (14"L.) (12.8550)											1			
	5199576	HOSE, BULK #8X25 FT. (CUT L. 43") (12.8550)														1
	5199580	FITTING, HOSE 3/4"-18 INV. FL. TUBE (12.8552)		1	2			1			1					1
	5199594	FITTING, HOSE 3/4"-18 INV. FL. 45 DEG.									1					
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.8552)											1	1		
	5199589	FITTING, HOSE 3/4"-18 INV. FL. 90 DEG. (12.8552)		1				1								1
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.8552)											1	1		
	8924168	ELBOW, 1/4" STREET 90 DEG. (12.9590)				1										
	8924217	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1										
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)											1	1		
	8924162	ELBOW, 1/2" INV. FL. TUBE 45 DEG. (12.9480)									1					1
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)		2	2			2			1	1				
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)											1	1		
	8924169	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)									1	1				1
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE														
4A	**2362488**	CLIP, #8 HOSE (NEOPRENE) (12.8554)		2	2			3								3
	5143841	BRACKET, CLIP (2.5180)	3	2	2											
	5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)		2	2			2								

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14343	14345	14346	14443	14444	14454	14457	14473	14492	15022	15122	15522	15632	15644
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE (CONT'D)														
	179839	BOLT, 3/8"-16X1" (12.9001)		2	2											3
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2	2											
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						2								
	103341	WASHER, 3/8" (12.9190)		6	5											3
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR											3
	102635	NUT, 3/8"-16 (12.9120)	AR	AR	AR											3
		2.5130 - BRACKET, FUEL PUMP TO FILTER HOSE CLIP														
	5143841	BRACKET (2.5180)														2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)														2
	103341	WASHER, 3/8" (12.9190)														2
	103321	LOCKWASHER, 3/8" (12.9200)														2
		2.5140 - SPACER, FUEL PUMP TO FILTER HOSE CLIP														
	5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)														2
		2.5149 - TUBE, FILTER TO CYLINDER HEAD														
4A	5199575	HOSE, BULK #6X25 FT. (15.2" L.) (12.8550)									1					
4A	5199575	HOSE, BULK #6X25 FT. (8.5" L.) (12.8550)											1	1		
4A	5199575	HOSE, BULK #6X25 FT. (26" L.) (12.8550)												1		
4A	5199575	HOSE, BULK #6X25 FT. (48.3"L.) (12.8550)	1													
4A	5199575	HOSE, BULK #6X25 FT. (32.58"L.) (12.8550)	1	1												
4A	5199575	HOSE, BULK #6X25 FT. (57.22"L.) (12.8550)			1											
4A	5199575	HOSE, BULK #6X25 FT. (25.2"L.) (12.8550)			1											
	5199575	HOSE, BULK #6X25 FT. (29.2" L.) (12.8550)											1			
	5199575	HOSE, BULK #6X25 FT. (30" L.) (12.8550)						1								
	5199575	HOSE, BULK #6X25 FT. (42.3" L.) (12.8550)						1								
	5199575	HOSE, BULK #6X25 FT. (30.2" L.) (12.8550)									1					
	5199575	HOSE, BULK #6X25 FT. (CUT L. 41") (12.8550)														1
	5199575	HOSE, BULK #6X25 FT. (CUT L. 54") (12.8550)														1
4A	5130869	* HOSE (#6X11 1/4" L.)				1										
	5199776	HOSE, BULK #8X25 FT. (32.54" L.) (12.8550)										1				
	5143620	HOSE, #8 X 23 1/4" L.										1				
4A	5130688	HOSE (#6X7 1/4" L.)				1										
4A	5130696	HOSE (5/16"X23" L.)					1									
4A	5130695	HOSE (5/16"X29 1/4" L.) (2.5205)					1									
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.8552)	3	3	2						2		2	2		2
4A	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.8552)			2						2		1	1		1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14343	14345	14346	14443	14444	14454	14457	14473	14492	15002	15112	15522	15563	15564
		2.5149 - TUBE, FILTER TO CYLINDER HEAD *(CONT'D)*														
4A	**5199593**	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG. (12.8552)	1	1									1	1		1
	5199580	FITTING, HOSE 3/4"-18 INV. FLR. STR. (12.8552)										1				
	5199589	FITTING, HOSE 3/4"-18 INV. FLR. 90 DEG. (12.8552)										1				
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)				1					1		1	1		
4A	**193004**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	2	3	2			1	2	3	2		
	8925030	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)														2
4A	**8924217**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2	2			2								2
4A	**8924217**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2	2			2								2
4A	**8922190**	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)										2				
4A	**137425**	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)										1				
	8924172	ADAPTOR, 1/4"-18 PIPE (12.9460)														2
	5144358	CONNECTOR ASSY., FUEL (BETWEEN CYL. HEADS) (1.2001)	4	4	4											4
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1											
	8925048	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)									2					
4A	**116332**	BUSHING, 3/8"X1/4" RED. (12.9570)					1					1				
	8924200	TEE, 1/4" PIPE					1									
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)										1				
	5101020	STRAP, HOSE (2.5255)										1	2			
		* OBSOLETE.														
		2.5175 - TUBE, JUNCTION BLOCK TO CYLINDER HEAD														
	5199575	HOSE, BULK #6X25 FT. (CUT L. 8.5") (12.8550)														1
	5199575	HOSE, BULK #6X25 FT. (CUT L. 17") (12.8550)														1
	5199575	HOSE, BULK #6X25 FT. (CUT L. 20") (12.8550)														1
	5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (STRAIGHT) (12.8552)														2
	5199592	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (90 DEG.) (12.8552)														1
	5199593	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (45 DEG.) (12.8552)														2
	5199583	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (STRAIGHT) (12.8552)	1													1
	8924171	CONNECTOR, 5/16" PIPE (12.9460)	2													2
	8925538	CONNECTOR, 5/16" INV. FLD. TUBE (2.5210)	1													1
	8925030	ELBOW, 90 DEG. INV. FLD.-3/8" TUBE (12.9480)														1
	8924185	ELBOW, 5/16" TUBE-1/4" NPTF (2.5210)														1
	8924217	ELBOW, 90 DEG. INV. FLD.-3/8" TUBE (12.9480)														1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14343	14435	14436	14443	14444	14454	14457	14473	14492	15022	15122	15522	15633	15664
		2.5180 - CLIP, CYLINDER HEAD INLET														
	2488022	CLIP, #6 HOSE (NEOPRENE) (12.8554)	2	3	2			7		1	2	1	1	1		4
	140573	CLIP, 5/8" (12.9630)					4									
	5108612	BRACKET, CLIP (4.4345)						1								
	5166565	BRACKET, CLIP (9.1591)						1								
	5126504	SUPPORT, CLIP (4.1512)						1	1		1		1	1		
	5175606	BRACKET (LOWER) (4.1540)														1
	179796	BOLT, 1/4"-20X7/8" (12.9001)							1		1		1	1		
	181314	BOLT, 1/4"-28X7/8" (12.9001)						1	1		1		1	1		
	179839	BOLT, 3/8"-16X1" (12.9001)						2								
	103319	LOCKWASHER, 1/4" (12.9200)						1	1		2		2	2		
	103321	LOCKWASHER, 3/8" (12.9200)						2								
	103323	LOCKWASHER, 1/2" (12.9200)						1								
	120392	WASHER, 9/32"X5/8" CAD. (12.9190)					4	3	3		3		3	3		
	121902	NUT, 1/4"-28 (12.9120)						1	1		1		1			
		2.5205 - TUBE, FUEL DRAIN CROSSOVER														
4A	**5130691**	HOSE, FLEX. (5/16"X21" L.)				1										
4A	**5199575**	HOSE, BULK #6X25 FT. (16" L.) (12.8550)												1	1	
4A	**5199575**	HOSE, BULK #6X25 FT. (19.3" L.) (12.8550)						1	1				1			
	102635	NUT, 3/8"-16 (12.9120)						2								
4A	**5199579**	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.8552)						2	2				2	2	2	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				2		1	1				1	1	1	
	8924183	ELBOW, 5/16" (2.4001)													1	
	2061210	CONNECTOR, 3/4"-16 (2.4015)							1							
	8925040	ADAPTOR, 1/4" PIPE (2.5210)				1	1									
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)				1		1	1				1	1	1	
4A	**5104778**	TEE, 1/4"X1/4"X5/8" (7.4694)						1	1				1	1	1	
		2.5212 - COOLER ASSY., FUEL														
10C	**5136348**	COOLER								1	1					
	5136037	HOSE, 2 1/2"X3.25" L. (CUT L. 1") (4.4213)									1					
		2.5214 - TUBE, FUEL COOLER														
	5199575	HOSE, BULK #6X25 FT. (16" L.)									1					
	5199575	HOSE, BULK #6X25 FT. (72" L.)									1					
10C	**5199778**	HOSE, 2" I.D. X 24" L. (CUT L. 2") (3.1270)									3					
	5145429	CLIP, 1 1/2"								1						
	5158752	TUBE, 2"X4 1/4" (2.5214)									1					
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STGHT (12.8552)									3					
	5199597	FITTING, HOSE 1/2"-20 INV. FL. 45 DEG. (12.8552)									1					
	8924183	ELBOW, 5/16" (.1065" RESTRICTION) (2.4001)									1					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)									2					
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)									1					
	8920537	CLAMP, HOSE 1 9/16"X2 1/2" (12.9660)									6					
	9139809	CLAMP, HOSE 3" (12.9660)									1					
	2488022	CLIP, #6 HOSE (12.8554)									1					

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14344	14435	14436	14443	14444	14454	14457	14473	14492	15002	15112	15552	15563	15564
		2.5214 - TUBE, FUEL COOLER (CONT'D)														
	120392	WASHER, 1/4" PL. CAD. PL. (12.9190)									1					
		2.5215 - *HOSE, FUEL DRAIN*														
4A	**5133168**	HOSE, #6X25 1/4" L. (2.5010)										1				
4A	**5102378**	TUBE (DEV.L. 28.50")	1	1	1											
4A	**5199575**	HOSE, BULK #6X25 FT. (19.3" L.) (12.8550)									1					
4A	**5102377**	TUBE (DEV.L. 20.75")	1	1	1											
4A	**5199575**	HOSE, BULK #6X25 FT. (12.3" L.) (12.8550)							1							
4A	**5199575**	HOSE, BULK #6X25 FT. (33" L.) (12.8550)												1		
4A	**5199575**	HOSE, BULK #6X25 FT. (15.3"L.) (12.8550)	1	1	1											
4A	**5199575**	HOSE, BULK #6X25 FT. (40.5" L.) (12.8550)						1								
4A	**5199575**	HOSE, BULK #6X25 FT. (49" L.) (12.8550)											1			
4A	**5199597**	FITTING, HOSE 1/2"-20 INV. FL. 45 DEG. (12.8552)						1	1				1	1		
4A	**5199583**	FITTING, HOSE 1/2"-20 INV. FL. STR. (12.8552)							1							
4A	**5199579**	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.8552)												1		
	8924183	ELBOW, 5/16" (1.06 RESTRICTION) (2.4001)						1	1							
	8924182	ELBOW, 5/16" (.080 RESTRICTION) (2.4001)						1	1				1	1		
	137520	NIPPLE, 1/4"X3 1/4" PIPE (12.9560)							2							
4A	**5199579**	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.8552)	2	2	2			1	1		2		1			
	8924217	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1											
	193004	ELBOW, 3/8" 90 DEG. INV. FL. TUBE (12.9480)									1					
	8925030	ELBOW, 3/8" TUBE-90 DEG. (12.9480)														1
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1			1	1				1	1		
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)									1					
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)									1					

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1434	1435	1436	1443	1444	1454	1457	1473	1492	1502	1512	1552	1563	1564
		2.5215 - HOSE, FUEL DRAIN (CONT'D)														
	5101020	STRAP, HOSE (2.5255)						2					2	3		
	8925086	* ELBOW ASSY., 3/8" TUBE 90 DEG. (12.9425)	2	2	2											
	8924182	ELBOW, 5/16" SPECIAL (2.4001)											1			
	5102443	NIPPLE ASSY. (2.5210)	2	2	2											
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)	2	2	2											
		* INCLUDES SEAL RING IN 2.5215 PLUS NUT NOT SOLD SEPARATELY.														
		2.5220 - CLIP, FUEL DRAIN														
	2488022	CLIP, #6 HOSE (12.8554)							1		1	1	2	7		
	5168001	CLIP, 1/2" (12.4095)				1										
	2362448	CLIP, #8 HOSE (NEOPRENE) (12.8554)										4				
	5173022	BRACKET, CLIP (7.4545)									1					
	5160307	BRACKET (7.8330)				1										
	5108612	BRACKET (4.4345)							1							
	5160742	CLIP, 1 1/2"	2	2												
	5153473	CLIP, 1/2" (4.6040)										1				
	5127861	BRACKET (7.1587)									1					
	5196119	SPACER, 13/32"X7/8"X3/8" (3.4001)										2				
	179796	BOLT, 1/4"-20X7/8" (12.9001)										1				
	181314	BOLT, 1/4"-28X7/8 (12.9001)	1	1	1											
	5103534	BOLT, 5/16"-24 X 1/2" VIBRA-TITE CTD. (1.7227)				1										
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)									1					
	455537	BOLT, 3/8"-16X4" (12.9001)										2				
	5104597	BOLT, 3/8"-16X.625" W/SEAL PATCH							1							
	181360	BOLT, 3/8"-24X3/4" (12.9001)									1					
	120393	WASHER, 5/16" (12.9190)				2										
	103341	WASHER, 3/8" (12.9190)									1		2	1		
	120392	WASHER, 9/32"X5/8" CAD. (12.9190)										1				
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1							1				
	103321	LOCKWASHER, 3/8" (12.9200)							1		1					
	131046	LOCKWASHER, 3/4" CAD. (12.9200)							1							
	121902	NUT, 1/4"-28 CAD. (12.9120)	1	1	1											
	114493	NUT, 5/16"-24 (12.9120)				1										
	117049	NUT, 3/8"-24 (12.9120)									1					
	219758	NUT, 3/4"-16 CAD. (12.9120)														
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION														
	5100246	BLOCK	1	1	1											
	5104513	BLOCK														1
	5102443	CONNECTOR ASSY. 3/8" REST. (2.5210)		2												
	5181349	SPACER, 25/64"I.D.X.62"L. (3.3060)	1	1	1											
	5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1											
	8923847	PLUG, 1/4" PIPE (4.7001)														2
	214054	BOLT, 5/16"-18X6 1/4" (12.9001)	1	1	1											
	447188	NUT, 1/4"-28 (12.9120)			1											
	9418964	BOLT, 3/8"-16X5" (12.9001)														2
		2.5255 - SHIELDING, FLEXIBLE HOSE														
	5101020	STRAP, HOSE									6	2		6		3

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15781	15791	15911	15931	15941	16101	16111	16191	16801	16971	16991	17011
		2.5010 - HOSE, FUEL SUPPLY TO STRAINER												
	5199577	HOSE, BULK #10X25 FT. (CUT L. 21") (12.8550)											1	
	5199581	FITTING, #10 HOSE (7/8"-18 MALE INV. FL.) (STRAIGHT) (12.8552)											2	
	8924171	ELBOW, 5/8"-90 DEG. INV. FL. TUBE (12.9480)											1	
	442325	CONNECTOR, 5/8" TUBE X 1/2" PIPE (12.9460)											1	
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
	5199576	HOSE, BULK, #8X25 FT. (CUT L. 29") (12.8550)									1			
	5199576	HOSE, BULK, #8X25 FT. (CUT L. 30") (12.8550)										1		1
	5199576	HOSE, BULK #8X25 FT. (CUT L. 16") (12.8550)											1	
	5199580	FITTING, #8 HOSE (3/4"-18 MALE INV. FL.) (12.8552)									1	1	1	1
	5199589	FITTING, #8 HOSE (3/4"-18 INV. FL.) (90 DEG.) (12.8552)									1	1		1
	5199594	FITTING, #8 HOSE (3/4"-18 INV. FL.) (45 DEG.) (12.8552)											1	
	8925030	ELBOW, 3/8" TUBE - 90 DEG. (12.9480)										1		
	8924155	ELBOW, 1/2" TUBE - 45 DEG. ST. (12.9590)									1	1	1	
	8924162	ELBOW, 1/2" TUBE - 45 DEG. INV. FL. (12.9480)									1			
	8924173	ADAPTOR, 3/8"-18 PIPE (12.9565)										1	1	
	8924169	CONNECTOR, 1/2" INV. FL. TUBE - 3/8" PIPE (12.9460)											1	2
	179839	BOLT, 3/8"-16X1" (12.9001)									1			
	103341	WASHER, 3/8" (12.9190)									1			
	103321	LOCKWASHER, 3/8" (12.9200)									1			
	102635	NUT, 3/8"-16 (12.9120)									1			
		2.5060 - HOSE, FUEL PUMP INLET												
4A	5199576	HOSE, BULK #8X25 FT. (CUT L. 62") (12.8550)	1			1								
4A	5199577	HOSE, BULK #10X58 FT. (48" L.) (12.8550)		1										
4A	5199576	HOSE, BULK #8X25 FT. (CUT L. 55") (12.8550)					1							
4A	8923860	HOSE, NO. 8X33" L.						1	1	1				
4A	5199580	FITTING, #8 HOSE (3/4"-18 MALE INV. FL.) (12.8552)	2			1	1							
4A	5199594	FITTING, #8 HOSE (3/4"-18 INV. FL) (45 DEG.) (12.8552)				1	1							
4A	5199590	FITTING, HOSE 7/8"-18 INV. FLD. STR. (12.8550)		1										
4A	8924169	CONNECTOR, 1/2" INV. FLD. TUBE (12.9460)						1	1	1				
4A	5160629	SPACER, 13/32"X7/32" (4.2270)					1							
4A	9434182	ELBOW, 3/8"-90 DEG. (12.9480)		2										
4A	137425	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)	2			1	1	1	1	1				
4A	8924173	ADAPTOR, 3/8" PIPE (4.6020)	1					1	1					
	NPN	ADAPTOR, 3/8"								1				
	5146788	CLIP, 5/8" HOSE (2.5070)						1	1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					1							

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15578	15579	15591	15593	15594	16110	16111	16119	16680	16697	16699	17001
		2.5070 - CLIP, STRAINER TO FUEL PUMP												
	2362448	CLIP, #8 HOSE (12.8554)				2	1				1			1
	5145429	CLIP, 7/8" DIA. (7.8320)								1				
	5173022	BRACKET CLIP (5.5379)				1								
	179837	BOLT, 3/8"-16X3/4" (12.9001)				1								
	103341	WASHER, 3/8" (12.9190)				1								
	103321	LOCKWASHER, 3/8" (12.9200)				1								
	102635	NUT, 3/8"-16 (12.9120)				1								
	5181339	BRACKET									1			
		2.5110 - HOSE, FUEL PUMP TO FILTER												
4A	5199576	HOSE, BULK #8X25 FT. (18.5") (12.8550)	1											
4A	5199575	HOSE, BULK #6X25 FT. (18" L.) (12.8550)					1						1	1
4A	5199576	HOSE, BULK #8X25 FT. (46.9" L.) (12.8550)		1										
4A	5199575	HOSE, BULK #6X25 FT. (29" L.) (12.8550)				1								
4A	5199575	HOSE, BULK #6X25 FT. (36" L.) (12.8550)	1											
4A	8923851	HOSE, NO. 6X15" L.						1	1					
4A	8924803	HOSE ASSY., NO. 8X21.75" L.								1				
	5199575	HOSE, BULK #6X25 FT. (CUT L. 24") (12.8550)									1			
	5199575	HOSE, BULK #6X25 FT. (CUT L. 23") (12.8550)										1		
4A	5199579	FITTING, HOSE 5/8"-18 (12.9534)	1			1	1				2	1		
4A	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)	1				1							
4A	5199580	FITTING, HOSE 3/4"-18 INV. FL. STR. (12.9534)	1	1									1	1
4A	5199593	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG. (12.8552)				1						1		
4A	5199594	FITTING, HOSE 3/4"-18 INV. FL. 45 DEG. (12.9534)	1										1	1
4A	5199589	FITTING, HOSE 3/4"-18 INV. FL. 90 DEG.		1										
	8924161	ELBOW, 3/8" TUBE - 45 DEG. (12.9480)									1			
4A	8924162	ELBOW, 1/2" INV. FL. 45 DEG. (12.9480)		1						1			1	1
	8924155	ELBOW, 1/2" TUBE - 45 DEG. ST. (12.9590)											1	1
4A	193004	ELBOW, 3/8" INV. FL. 90 DEG. (12.9480)	1			1	1	2	2					
	8924217	ELBOW, 3/8" TUBE - 90 DEG. (12.9480)									1			
	8925030	ELBOW, 3/8" TUBE - 90 DEG. (12.9480)									1	1		
4A	137425	ELBOW, 1/2" INV. FL. 90 DEG. (12.9480)	2							1				
	8925723	ELBOW, 1/2" TUBE - 90 DEG. INV. FL. TUBE (12.9480)												1
4A	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1	1							
4A	9432266	CONNECTOR, 3/8" TUBE (12.9460)	1											
4A	8924169	CONNECTOR, 1/2" TUBE (12.9460)		1										
4A	144045	BUSHING, 1/2X1/4" (12.9570)	1											
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE												
	2488022	CLIP, #6 HOSE (NEOPRENE) (12.8554)	1			1	1							
	5113488	SPACER, 15/16"X9/16"X5/16" (2.9410)		2										
	5126504	SUPPORT, CLIP (4.1512)					1							

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15781	15791	15931	15941	16101	16111	16191	16801	16971	16991	17011
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE (CONT'D)											
	5173022	SUPPORT, CLIP (5.5379)	1										
	179796	BOLT, 1/4"-20X7/8" (12.9001)				1							
	179839	BOLT, 3/8"-16X1" (12.9001)	1										
	123435	BOLT, 1/4"-28X5/8" (12.9001)				1							
	103341	WASHER, 3/8" (12.9190)	1										
	120392	WASHER, 9/32"X5/8" (12.9190)				3							
	103321	LOCKWASHER, 3/8" (12.9200)	1										
	103319	LOCKWASHER, 1/4" (12.9200)				2							
	102635	NUT, 3/8"-16 (12.9120)	1										
	121902	NUT, 1/4"-28 (12.9120)				1							
		2.5149 - TUBE, FILTER TO CYLINDER HEAD											
4A	5199575	HOSE, BULK #6X25 FT. (11.5" L.) (12.8550)				1							
4A	5199575	HOSE, BULK #6X25 FT. (12.5" L.) (12.8550)	1									1	
4A	5199575	HOSE, BULK #6X25 FT. (38.5" L.) (12.8550)			1								
4A	5199575	HOSE, BULK #6X25 FT. (25") (12.8550)		1									
4A	5199575	HOSE, BULK #6X25 FT. (27" L.) (12.8550)	1									1	1
4A	5199575	HOSE, BULK #6X25 FT. (28") (12.8550)				1							
4A	5199575	HOSE, BULK #6X25 FT. (58") (12.8550)		1									
4A	5130696	HOSE, FLEX. (23" L.) (RIGHT BANK)			1	1							
4A	5130695	HOSE, FLEX. (29" L.) (LEFT BANK)			1								
4A	8924305	HOSE, #6X11.0" L.							1				
4A	8924306	HOSE, #6X27" L. (2.5249)							1				
	5199575	HOSE, BULK #6X25 FT. (CUT L. 36") (12.8550)								1			
	5199575	HOSE, BULK #6X25 FT. (CUT L. 22") (12.8550)								1			
	5199575	HOSE, BULK #6X25 FT. (CUT L. 19") (12.8550)									1		
	5199575	HOSE, BULK #6X25 FT. (CUT L. 31") (12.8550)									1		
	5199575	HOSE, BULK #6X25 FT. (CUT L. 12") (12.8550)											1
4A	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)	2	2		2	2			2	3	2	2
	5199593	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (90 DEG.) (12.8552)								1	1		
4A	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.9534)	2	2			2			1		2	2
4A	5125040	ADAPTOR, 1/4"X1/4" (12.9460)			1								
4A	8924172	ADAPTOR, 1/4"-18 (12.9460)		1									
4A	116332	BUSHING, 3/8"X1/4" RED. (12.9570)			1								
	8924183	ELBOW, 5/16" TUBE, 1/4" PIPE (2.4001)											1
	143338	ELBOW, 3/8" TUBE, 45 DEG. (12.9480)	1			1	1						
	8924161	ELBOW, 3/8" TUBE, 45 DEG. INV. FL. (12.9480)								1	1	1	1
	193004	ELBOW, 3/8" 90 DEG. (12.9480)	1	1	3	3	3						
	8925030	ELBOW, 3/8" TUBE, 90 DEG. INV. FL. (12.9480)								3	3	1	1
	8924217	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		2									
	NPN	ELBOW, 3/8" 45 DEG.							1				
	NPN	ELBOW, 3/8" 90 DEG.							1				
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1									

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1578	1579	1591	1593	1594	1610	1611	1619	1680	1697	1699	1701
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)												
	8925048	CONNECTOR, 3/8" INV. FLD. TUBE (12.9460)											2	2
	9432267	CONNECTOR, 3/8" (12.9460)	2							2				
	5144358	CONNECTOR ASSY. (1.2001)		4										
	8924200	TEE, 1/4" PIPE (7.4694)			1									1
	120392	WASHER, 9/32" (12.9190)			4									
		2.5160 - HOSE, FILTER TO CYLINDER HEAD												
	8923852	HOSE, NO. 6X15" L. (R.B.)						1	1					
	8923853	HOSE, NO. 6X26" L. (LB)						1	1					
	193004	ELBOW, 3/8" 90 DEG. (12.9480)						3	3					
	143338	ELBOW, 3/8" 45 DEG. (12.9480)						1	1					
		2.5180 - CLIP, CYLINDER HEAD INLET												
	2488022	CLIP, HOSE 3/8" (12.8554)	2	2		1							2	
	140573	CLIP, HOSE 5/8" (12.8554)			4									

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15578	15579	15591	15593	15594	16110	16111	16119	16800	16897	16999	17001
		2.5180 - CLIP, CYLINDER HEAD INLET (CONT'D)												
	2362448	CLIP, #8 HOSE 1/2" (12.8554)		2		1	1							
	5143841	BRACKET, SUPPORT		2									1	
	5126504	BRACKET												
	5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)		2									1	
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1				1							
	179837	BOLT, 3/8"-16X3/4" (12.9001)		2									1	
	179839	BOLT, 3/8"-16X1" (12.9001)	1											
	181314	BOLT, 1/4"-28X7/8" (12.9001)		2									3	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2				1							
	120392	WASHER, 9/32" (12.9190)		4									2	
	103341	WASHER, 3/8" (12.9190)	2	1			1							
	103319	LOCKWASHER, 1/4" (12.9200)		4									1	
	103321	LOCKWASHER, 3/8" (12.9200)	1	1										
	121902	NUT, 1/4"-28 HEX. (12.9120)		2			1							
	102635	NUT, 3/8"-16 (12.9120)												
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
4A	**5199575**	HOSE, BULK #6X25 FT. (16" L.) (12.8550)	1								1	1	1	1
4A	**5199575**	HOSE, BULK #6X25 FT. (19" L.) (12.8550)				1	1							
4A	**8923854**	HOSE, NO. 6X16" L.						1	1	1				
4A	**5199588**	FITTING, HOSE 5/8"-18 90 DEG. (12.9534)	2											
	5199579	FITTING, HOSE 5/8"-18 ST. (12.8552)				2	2				2	2	2	2
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1			1	1	1	1	1				
	8925325	BUSHING, 3/8"X1/4" RED. (12.9570)									1	1	1	1
	8924183	ELBOW, 5/16" TUBE, 1/4" PIPE (2.4001)											1	
	8925030	ELBOW, 3/8" TUBE - 90 DEG. INV. FLD. (12.9480)									1	1	1	1
	193004	ELBOW, 3/8"-90 DEG. (12.9480)	1			1	1	1						
	NPN	ELBOW, 3/8" 90 DEG.								1				
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1	1		1			1		
	8924195	CONNECTOR, 5/16" INV. FL. TUBE (.080" RESTRICTED) (2.5210)				1	1							
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)	1					1	1					
	8924200	TEE, 1/4"X7/16"X7/16" (2.5149)				1	1				1	1	1	
	NPN	TEE, 1/4"X1/4"X5/8"								1				
		2.5207 - CLIP, FUEL DRAIN CROSSOVER												
	2488022	CLIP, 3/8" NEOPRENE COATED (12.8854)									2			
	2362448	CLIP, .688" DIA.							1					
	5147088	BRACKET							1					
	5126504	BRACKET (4.1512)									1	1		
	179796	BOLT, 1/4"-20X7/8" (12.9001)							1		1	1		
	181314	BOLT, 1/4"-28X7/8" (12.9001)							1		1	1		
	103319	LOCKWASHER, 1/4" (12.9200)							2		2	2		
	120392	WASHER, 9/32"X5/8" PLAIN (12.9190)							3		3	2		
	121902	NUT, 1/4" (12.9120)							1		1	1		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15578	15579	15591	15593	15594	16101	16111	16119	16800	16897	16991	17001
		2.5210 - TUBE, FUEL DRAIN												
4A	5199575	HOSE, BULK #6X25 FT. (15" L.) (12.8550)		1										
4A	5199575	HOSE, BULK #6X25 FT. (20" L.) (12.8550)					1							
	8923858	HOSE, NO. 6X25" L.						1						
	8923855	HOSE, NO. 6X25" L.							1					
4A	5199575	HOSE, BULK #6X25 FT. (28" L.) (12.8550)					1							
4A	5199575	HOSE, BULK #6X25 FT. (33" L.) (12.8550)				2								
4A	5186063	HOSE, 1/4"X14"	1											
4A	8924308	HOSE, #6X72" L.								1				
4A	5102378	TUBE (DEV. L. 20.75")		1										
4A	5102377	TUBE (DEV. L. 28.50")		1										
4A	5199593	FITTING, HOSE 5/8"-18 INV. FL. (45 DEG.) (12.8550)					1							
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.8552)		2		3	2							
4A	5199597	FITTING, HOSE 1/2"-18 INV. FL. (45 DEG.) (12.8552)				1								
	5199592	FITTING, HOSE 1/2"-18 INV. FL. (90 DEG.) (12.8552)					1							
	5112892	ELBOW, 5/16" (.106" RESTRICTED)	1											
	5138298	ELBOW, 3/8" 90 DEG. (12.9480)		2										
	193004	ELBOW, 3/8" 90 DEG. (12.9480)				2	1	1	1					
	NPN	ELBOW, 3/8" 90 DEG.								1				
	9432264	CONNECTOR, 5/16" INV. FLD. TUBE (12.9460)						1						
	8924171	CONNECTOR, 3/8" INV. FL. (12.9460)	1	1			1		1	1				
	5102443	NIPPLE ASSY. (2.5210)		2										
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)		2										
		2.5212 - COOLER ASSY., FUEL												
10C	5136348	COOLER				1	1	1	1	1				
	8922153	BRACKET				1	1							
	5181339	BRACKET (2.5070)					1	1	1					
	5127861	BRACKET (7.1587)								1				
	5108249	CLIP, 2 3/8" (5.2190)				1	1	1	1					
	179838	BOLT, 3/8"-16X7/8" (12.9001)				1	1							
	5104599	BOLT, 3/8"-16X1.13 W/SEAL PATCH				1	1							
	186625	BOLT, 5/16"-18X7/8" (12.9001)				1	1							
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)							1					
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)								1				
	179858	BOLT, 7/16"-14X1" (12.9001)						1	1					
	103320	LOCKWASHER, 5/16" (12.9200)				1	1	1	1					
	103321	LOCKWASHER, 3/8" (12.9200)					1							
	103322	LOCKWASHER, 7/16" (12.9200)							1					
	103341	WASHER, 3/8" (12.9190)				1	1							
	106261	WASHER, 5/16"X3/4" (12.9190)				1	1	1	1					
	120376	NUT, 5/16"-18 (12.9120)				1	1	1	1					
		2.5214 - TUBE, FUEL COOLER												
	5141193	HOSE, 2"X2.5" L. (COOLER TO RAW WATER PUMP) (5.2165)				2	2	2	2					
	8923857	HOSE, NO. 6X34" L.						1						
	5199778	HOSE, 2"X2" (3.1270)								3				
	8923856	HOSE, NO. 6X20" L.							1					
	8924307	HOSE, NO. 6X16" L.								1				
	5136037	HOSE, 2 1/2"X1" L. (4.4213)								1				

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1578	1579	1591	1593	1594	1610	1611	1619	1680	1697	1699	1701
		2.5214 - TUBE, FUEL COOLER (CONT'D)												
	5158752	TUBE, 2"X4 1/4"								1				
	9139809	CLAMP, HOSE 2 1/2" (12.9660)				4	4	4	4	1				
	8920537	CLAMP, 2 1/2" (12.9660)								6				
	5112892	ELBOW, 1/4" NPTF (2.4001)								1				
	NPN	ELBOW, 3/8" 90 DEG.								1				
	5128927	ELBOW, 5/16" (2.4001)						1	1					
	193004	ELBOW, 3/8" 90 DEG. (12.9480)						1	1					
		2.5215 - HOSE, FUEL DRAIN												
	5199575	HOSE, BULK #6X25 FT. (CUT L. 25") (12.8550)									1	1		1
	5199575	HOSE, BULK #6X25 FT. (CUT L. 30") (12.8550)											1	
	5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (STRAIGHT) (12.8552)									1	1	1	1
	5199592	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (90 DEG.) (12.8552)									1	1		
	5199597	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (45 DEG.) (12.8552)											1	1
	8924195	CONNECTOR, 5/16" INV. FL. TUBE (2.5210)									1	1		
	8924171	CONNECTOR, 5/16" PIPE (12.9460)									1	1	1	1
		2.5216 - CLIP, FUEL COOLER INLET LINES												
	2362448	CLIP, .688" DIA. (12.8554)						3	1	1				
	5126504	BRACKET						1						
	179796	BOLT, 1/4"-20X7/8" (12.9001)						1						
	181567	BOLT, 1/4"-28X7/8" (12.9001)						1						
	103319	LOCKWASHER, 1/4" (12.9200)						2						
	120392	WASHER, 9/32"X5/8" PLAIN (12.9190)						3		1				
	121902	NUT, 1/4"-28						1						
		2.5220 - CLIP, FUEL DRAIN												
	2488022	CLIP, 3/8" (NEOPRENE) (2.5100)	2			1	1				2	2		2
	5160742	CLIP, 1 1/2"X3/4" (2.5100)		2										
	2362448	CLIP, .688" DIA. (12.8554)								2				
	5173022	BRACKET, CLIP (5.5379)				1								
	5126504	BRACKET (4.1512)								1				1
	179796	BOLT, 1/4"-20X7/8" (12.9001)								1				1
	181314	BOLT, 1/4"-28X7/8" (12.9001)		1										1
	181567	BOLT, 1/4"-28X7/8" (12.9001)								1				
	179839	BOLT, 3/8"-16X1" (12.9001)	2											
	103341	WASHER, 3/8" (12.9190)	2											
	120392	WASHER, 5/8" PLAIN (12.9190)								3				3
	103319	LOCKWASHER, 1/4" (12.9200)								2				2
	103321	LOCKWASHER, 3/8" (12.9200)	2											
	121902	NUT, 1/4"-28 (12.9120)								1				1
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION												
	5100246	BLOCK		1										
	8924217	ELBOW, 3/8"-90 DEG. INV. FL. (12.9480)		1										
	5181349	SPACER, 25/64"X.62" (3.3060)		1										
	5121182	PLUG, 1/4" PIPE (2.4015)		1										
	214054	BOLT, 5/16"-18X6 1/4" (12.9001)		1										

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1578	1579	1591	1593	1594	1610	1611	1619	1680	1697	1699	1701
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION (CONT'D)												
	447188	BOLT, 5/16"-18X6 3/4" (12.9001)		1										
		2.5255 - SHIELDING, FLEXIBLE HOSE												
	5101020	STRAP, HOSE	3	3		6		4	5	6	6	6	5	5
		2.5490 - PRIMER PUMP, FUEL												
	5110760	PRIMER PUMP (12.6655)	1											
	5138163	BRACKET (12.6655)	1											

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1713	1714	1715	1716
		2.5050 - TUBE, STRAINER TO FUEL PUMP				
	5199576	HOSE, BULK, #8X25 FT. (CUT L. 16") (12.8550)	1			
	5199576	HOSE, BULK, #8X25 FT. (CUT L. 46") (12.8550)		1		
	5134436	HOSE ASSY., #8X24.25" L.			1	
	5132091	HOSE ASSY., #8X54.25" L. (2.5100)				1
	5199580	FITTING, #8 HOSE (3/4"-18 MALE INV. FL.) (STRAIGHT) (12.8552)	1	1		
	5199589	FITTING, #8 HOSE (3/4"-18 INV. FL.) (90 DEG.) (12.8552)		1		
	5199594	FITTING, #8 HOSE (3/4"-18 INV. FL.) (45 DEG.) (12.8552)	1			
	8924155	ELBOW, 45 DEG. ST. - 1/2" TUBE (12.9590)	1	1	2	2
	8924173	ADAPTOR, 3/8"-18 PIPE (12.9565)	1			1
	8924169	CONNECTOR, 1/2" INV. FL. TUBE - 3/8" P.T. (12.9460)	1	1		
		2.5070 - CLIP, STRAINER TO FUEL PUMP				
	2362448	CLIP, .688" DIA., 3/8" BOLT (2.5070)		2	1	1
	5173022	BRACKET, CLIP (5.5379)		1		
	179839	BOLT, 3/8"-16X1" (12.9001)		1		
	103341	WASHER, 3/8" (12.9190)		1	1	1
	103321	LOCKWASHER, 3/8" (12.9200)		1		
	102635	NUT, 3/8"-16 (12.9120)		1		
		2.5110 - HOSE, FUEL PUMP TO FILTER				
	5199575	HOSE, BULK #6X25 FT. (CUT L. 18.5") (12.8550)		1		
	5199575	HOSE, BULK #8X25 FT. (CUT L. 18") (12.8550)	1			
	5143620	HOSE ASSY., #8X23.25" L.			1	
	5141599	HOSE ASSY., #6X60.00" L.				1
	5199580	FITTING, #8 HOSE (3/4"-18 MALE INV. FL.) (STRAIGHT) (12.8552)	1	1		
	5199594	FITTING, #8 HOSE (3/4"-18 INV. FL.) (45 DEG.) (12.8552)	1	1		
	8924162	ELBOW, 45 DEG. INV. FL. - 1/2" TUBE (12.9480)	1			
	8924155	ELBOW, 45 DEG. ST. - 1/2" TUBE (12.9590)	1	2	2	
	8924217	ELBOW, 90 DEG. INV. FL. - 3/8" TUBE (12.9480)				2
	8925723	ELBOW, 90 DEG. INV. FL. TUBE, 1/2" TUBE (12.9480)			1	
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)			1	
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE				
	2362448	CLIP, 1/2" NEOPRENE COATED (12.8554)			1	
	103341	WASHER, 3/8" (12.9190)			1	

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2.5000A FUEL LINES AND FUEL COOLER

PART NUMBER	NAME AND DESCRIPTION	TYPES 1713	1714	1715	1716
2.5149 - TUBE, FILTER TO CYLINDER HEAD					
5199575	HOSE, BULK #6X25 FT. (CUT L. 12.5") (12.8550)	1	1		
5199575	HOSE, BULK #6X25 FT. (CUT L. 27") (12.8550)	1	1		
5139201	HOSE ASSY., #6X63.00" L. (2.5100)				1
5136633	HOSE ASSY., #8X18.50" L. (2.5050)			1	
5143623	HOSE ASSY., #8X29.75" L.			1	
5139202	HOSE ASSY., #6X52.00" L. (2.5151)				1
5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (STRAIGHT) (12.8552)	2	2		
5199588	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (90 DEG.) (12.8552)	2	2		
8924161	ELBOW, 45 DEG. INV. FLD., 3/8" TUBE (12.9480)	1	1		
8925030	ELBOW, 90 DEG. INV. FLD., 3/8" TUBE (12.9480)	1	1		1
8925723	ELBOW, 90 DEG. INV. FL. TUBE (12.9480)			2	
8924155	ELBOW, 45 DEG. ST., 1/2" TUBE (12.9590)			2	
8924172	ADAPTOR, 1/4"-18 PIPE (12.9460)				1
8925048	CONNECTOR, 3/8" INV. FLD. TUBE (12.9460)	2	2		
442348	TEE, 3/8" INV. FL. TUBE (12.9490)				1
8925325	BUSHING, 3/8"X1/4" RED. (12.9570)				1
2.5180 - CLIP, CYLINDER HEAD INLET					
2488022	CLIP, 3/8" NEOPRENE COATED (12.8854)	2			
2362448	CLIP, .688" DIA., 3/8" BOLT			2	
5126504	BRACKET	1			
179796	BOLT, 1/4"-20X7/8" (12.9001)	1			
181314	BOLT, 1/4"-28X7/8" (12.9001)	1			
103319	LOCKWASHER, 1/4" (12.9200)	2			
103341	WASHER, 3/8" (12.9190)			2	
120392	WASHER, 1/4" (12.9190)	3			
121902	NUT, 1/4"-28 (12.9120)	1			
2.5205 - TUBE, FUEL DRAIN CROSSOVER					
5199575	HOSE, BULK #6X25 FT. (CUT L. 16") (12.8550)	1	1	1	
5131253	HOSE ASSY., 5/16"X14" L. (2.5149)				1
5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (STRAIGHT) (12.8552)	2			
8925030	ELBOW, 90 DEG. INV. FLD. - 3/8" TUBE (12.9480)		1	1	1
8924183	ELBOW, 5/16" TUBE, 1/4" NPTF (2.4001)	1	1		1
8924182	ELBOW, 5/16" TUBE, 1/4" NPTF			1	
8925325	BUSHING, 3/8"X1/4" RED. (12.9570)				1
8924200	TEE, 1/4" NPT (W/SEAL) (2.5149)	1	1	1	1
8924171	CONNECTOR, 3/8" INV. FLD. TUBE (12.9460)		1	1	
8924517	PLUG, 3/8"-18 PIPE				1

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1 7 1 3	1 7 1 4	1 7 1 5	1 7 1 6
		2.5207 - CLIP, FUEL DRAIN CROSSOVER				
	2488022	CLIP, 3/8" NEOPRENE COATED (12.8854)		1	1	
	5126504	BRACKET (4.1512)		1		
	181314	BOLT, 1/4"-28X7/8" (12.9001)		1		
	179796	BOLT, 1/4"-20X7/8" (12.9001)		1		
	120392	WASHER, 1/4" (12.9190)		2	1	
	103319	LOCKWASHER, 1/4" (12.9200)		2		
	121902	NUT, 1/4"-28 (12.9120)		1		
		2.5215 - HOSE, FUEL DRAIN				
	5186063	HOSE, #5X14.00" L.				1
	5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (STRAIGHT) (12.8552)		1		
	5199592	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (90 DEG.) (12.8552)		1		
	5199575	HOSE, BULK #6X25 FT. (CUT L. 49")		1		
	8924171	CONNECTOR, 5/16" PIPE (12.9460)	1	1		
	8925325	BUSHING, 3/8"X1/4" RED. (12.9570)	1			
	8925030	ELBOW, 90 DEG. INV. FLD. - 3/8" TUBE (12.9480)	1			
	8924183	ELBOW, 5/16" TUBE, 1/4" NPTF (2.4001)		1		
		2.5220 - CLIP, FUEL DRAIN				
	2488022	CLIP, 3/8" NEOPRENE COATED (12.8854)		3		
	179839	BOLT, 3/8"-16X1" (12.9001)		2		
	103321	LOCKWASHER, 3/8" (12.9200)		2		
		2.5255 - SHIELDING, FLEXIBLE HOSE				
	5101020	STRAP, HOSE	6	5		6

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2.6000A FUEL TANK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5	6	17	20
		2.6001 - TANK ASSY., FUEL				
	5172911	* TANK (AUXILIARY)		1		
	5136631	TANK (AUXILIARY)			1	
	113175	PLUG, 1/8" PIPE (12.9550)		1	1	
	5121182	PLUG, 1/4" PIPE (12.9550)		2		
	181596	BOLT, 5/16"-24X7/8" (12.9001)		4		
	103320	LOCKWASHER, 5/16" (12.9200)		4		
	114493	NUT, 5/16"-24 HEX. (12.9120)		4		
		* NOT SERVICED; USE 5136631 AND INCLUDE 1-116524 BUSHING.				
		2.6005 - HOSE, FUEL TANK FLEXIBLE				
	5171440	HOSE (36" LONG)	1			
	5136994	@ HOSE ASSY. (.50"I.D.X36"L.) (3.5010)				1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)				1
		@ OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SNOWN IN 12.8550				
		2.6007 - STRAINER, FUEL TANK HOSE				
	5171379	STRAINER	1			1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2			
	116332	BUSHING, 3/8"X1/4" RED. PIPE (12.9570)	1			1
		2.6030 - CAP, FUEL TANK				
	5137727	# CAP	1			1
	3815153	NAME PLATE (DIESEL FUEL)	AR	AR	AR	AR
		# OBSOLETE				
		2.6035 - GASKET, FUEL TANK CAP				
	5171380	GASKET	1			1
		2.6065 - STRAP, FUEL TANK				
	5172912	BRACKET		1		
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)		2		
	5167615	WASHER, BEVEL		2		

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2.6000A FUEL TANK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5	6	17	20
	2.6065	**- STRAP, FUEL TANK (CONT'D)**				
	103323	LOCKWASHER, 1/2" (12.9200)		22		
	103028	NUT, 1/2"-20 HEX. (12.9120)				

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2.6000B ELECTRIC GOVERNOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 2
	2.6501 - GOVERNOR ASSY.	
8923175	+ GOVERNOR ASSY., ELECTRIC (DYNA 11134)	1
	+ NOT SERVICED, USE 8924421 IN 2.6510 AND 8924422 IN 2.6505.	
	2.6505 - ACTUATOR ASSY., GOVERNOR	
	THE COMPLETE ASSY. IS SERVICED BY DETROIT DIESEL ALLISON DIVISION. FOR COMPONENT PARTS CONTACT BARBER-COLMA N CO. AND FURNISH THEIR PART NUMBER SHOWN IN PARENTHESES.	
8924422	ACTUATOR ASSY. (DYNC 11001-3) (2.6501)	1
8923170	PLUG, 5/8"-18 PICKUP (2.8030) (DYNC-338)	1
138203	SCREW, 1/4"-20X1 1/4" (12.9027)	4
103319	LOCKWASHER, 1/4" (12.9200)	4
	2.6510 - CONTROL ASSY., GOVERNOR	
8924421	CONTROL ASSY. (DYNI 10004-002) (2.6526)	1
	2.6515 - LEVER ASSY., ACTUATOR	
8923169	LEVER ASSY., ACTUATOR (2.8975)	1
186625	BOLT, 5/16"-18X7/8" (12.9001)	1
106261	WASHER, 5/16" (12.9190)	2
124824	NUT, 5/16"-18 JAM (12.9120)	1
	2.6520 - ROD ASSY., ACTUATOR CONTROL	
8923174	ROD ASSY. (8.31"L.) (2.8970)	1
	2.6530 - BRACKET, ACTUATOR MOUNTING	
8925576	BRACKET	1
186629	BOLT, 5/16"-18X1" (12.9001)	6
103320	LOCKWASHER, 5/16" (12.9200)	6
	2.6545 - GASKET, ACTUATOR CONTROL HOUSING MOUNTING	
8927412	GASKET (2.8760)	1
	2.6560 - HOUSING ASSY., ACTUATOR DRIVE	
	SEE ASSEMBLY BREAKDOWN PAGE A1.	
8923787	HOUSING ASSY. (REAR BLOWER) (2.8750)	1
5109136	HOUSING ASSY. (FRONT BLOWER) (2.8750)	1
5109149	COVER, DRIVE HOUSING (2.8780)	1

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2.6000B ELECTRIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2
		2.6560 - HOUSING ASSY., ACTUATOR DRIVE (CONT'D)	
	8927412	GASKET, COVER (2.8760)	1
	5101196	BOLT, 5/16"-18X9/16" (3.5436)	3
	186625	BOLT, 5/16"-18X7/8" (12.9001)	6
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	12
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)	2
	186272	BOLT, 5/16"-18X4" (12.9001)	2
	186274	BOLT, 5/16"-18X5" (12.9001)	2
	5155596	WASHER, 5/16" (4.7120)	6
	120393	WASHER, 5/16" (12.9190)	14
	103320	LOCKWASHER, 5/16" (12.9200)	20
		2.6561 - HOUSING, ACTUATOR DRIVE	
	5109131	HOUSING (REAR) (2.8780)	1
	5131244	HOUSING (FRONT) (2.8780)	1
	5124333	COVER ASSY. (CONTROL LINK) (2.7030)	4
	5124332	COVER (TUBE) (CONTROL LINK) (2.7230)	4
	5123812	GASKET (1.2060)	4
	8924267	HOSE, 1" I.D.X1.16"L. (2.7030)	4
	10019739	CLAMP, HOSE (1.240" CLOSED) (12.9660)	8
	8921930	BOLT, 1/4"-20X.75"L. (12.9001)	8
	120392	WASHER, 1/4" (12.9190)	8
		2.6565 - GASKET, ACTUATOR DRIVE HOUSING TO BLOWER	
	5126499	GASKET	2
		2.6566 - LEVER, ACTUATOR DRIVE HOUSING SHAFT	
	5127379	LEVER (2.8965)	1
	8928537	KEY, 3/32"X1/2" (12.9350)	2
	179796	BOLT, 1/4"-20X7/8" (12.9001)	4
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1
	106261	WASHER, 5/16" (12.9190)	2
	103319	LOCKWASHER, 1/4" (12.9200)	4
		2.6567 - COVER, GOVERNOR HOLE	
	5150268	COVER (1.2050)	12
	5104089	BOLT, 1/4"-20X1/2" (W/SEAL PATCH) (12.9001)	24
	120392	WASHER, 1/4" (12.9190)	24
		2.6568 - GASKET, GOVERNOR HOLE COVER	
	5123812	GASKET (1.2060)	12
		2.6585 - HARNESS ASSY., ACTUATOR	
	8923171	HARNESS ASSY., WIRING (2.8030)	1

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2.6000B ELECTRIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2
	2.6595	**- PICKUP ASSY., MAGNETIC**	
	8923172	MAGNETIC PICKUP ASSY.	1

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2.6000B ELECTRIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	COLUMN B
		2.6560 - HOUSING ASSY., ACTUATOR DRIVE		
	5109136	HOUSING ASSY. (FRONT BLOWER) (2.8750)	1	
	8923787	HOUSING ASSY. (REAR BLOWER) (2.8750)		1
	5127647	BEARING, SPHERICAL (2.8811)	1	1
	5123453	SEAL, OIL (7.4458)	1	1
	274694	RING, RETAINING (2.8811)	1	1
	274900	RETAINER, BEARING (2.8795)		1
	5150942	PIN, 3/16"X7/16" DOWEL (2.7230)	2	2
	5124332	COVER (TUBE) (CONTROL LINK) (2.7230)	2	2
	5187641	WASHER, 25/64"X1 1/8"X1/16" (1.7605)	1	1
		2.6561 - HOUSING, ACTUATOR DRIVE		
	5131244	HOUSING, FRONT BLOWER (2.8780)	1	
	5109131	HOUSING, REAR BLOWER (2.8780)		1
		2.6564 - SHAFT ASSY., ACTUATOR DRIVE HOUSING		
	5127758	SHAFT ASSY. (2.8811)	1	
	5127757	SHAFT ASSY. (2.8811)		1
	5150894	PIN, LINK (2.7315)	2	2
	8928537	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 474	476	478	548	576	610	615	625	628	645	653	655
	2.7001 - GOVERNOR ASSY.													
		INCLUDES ITEMS IN 2.7045 THRU 2.7810 EXCEPT ITEMS IN 2.7165 AND 2.7170.												
#	**5117901**	* GOVERNOR ASSY. (VARIABLE SPD.) (5102825)	1											
	5126526	@ * GOVERNOR ASSY. (LIMITING SPD.) (8921496)		1			1			1	1			
	5117902	& * GOVERNOR ASSY. (LIMITING SPD.) (8921496)		1										
	5126650	@ % GOVERNOR ASSY. (LIMITING SPD.)			1									
	5117768	* GOVERNOR ASSY. (LIMITING SPD.) (5103094)			1									
	5125188	* GOVERNOR ASSY. (LIMITING SPD.) (8921498)				1								
	5133787	% GOVERNOR ASSY. (LIMITING SPEED)						1						
	5129149	* GOVERNOR ASSY. (LIMITING SPD.) (5102934)										1		
	5130818	* GOVERNOR ASSY. (LIMITING SPD.) (8921497)											1	
	5130900	* GOVERNOR ASSY. (LIMITING SPD.) (8921497)												1
#	**5133807**	* GOVERNOR ASSY. (VARIABLE SPD.) (5102923)							1					
5A,B	**179827**	+ BOLT, 5/16"-18X2 1/4" (12.9001)	7	7	7	7	7	7	7	7	7	7	7	7
5A,B	**179827**	= BOLT, 5/16"-18X2" 1/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
5A,B	**186271**	+ BOLT, 5/16"-18X3 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**186272**	BOLT, 5/16"-18X4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**272545**	BOLT, 5/16"-18X5 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**446202**	WASHER, 5/16" FLAT COPPER (12.9190)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**120393**	+ WASHER, 5/16" FLAT (12.9190)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8

FIG. 13A OF 1.0000.
* NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT, USE GOVERNOR ASSY. SHOWN.
@ EFFECTIVE WITH 6VA-6062, 8VA-1163, 12VA-629.
& THRU 6VA-6061, 8VA-1162, 12VA-628; NOT SERVICED, COMPONENTS ARE AVAILABLE.
% NOT SERVICED, COMPONENTS ARE AVAILABLE.
\+ (THRU DECEMBER 1975)
= (IN EFFECT JANUARY 1976)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 474	476	478	548	576	610	615	625	628	645	653	655
	2.7002 - NAME PLATE, GOVERNOR													
	5122166	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1
	145369	SCREW, #0-3/16" DRIVE (12.9067)	2	2	2	2	2	2	2	2	2	2	2	2

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4744	4776	4778	5448	5776	6110	6155	6225	6228	6445	6533	6555
		2.7010 - GASKET, GOVERNOR TO BLOWER												
5A,B	**5126499**	GASKET (3.4190)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7030 - SPACER, GOV. TO CYLINDER HEAD												
5A,B	**5124333**	COVER, GOVERNOR FUEL ROD	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5123812**	GASKET (1.2060)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5104527**	HOSE, 1 I.D.X1" L.	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5104592**	CLAMP, 1 1/2" HOSE (12.9660)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**454894**	BOLT, 1/4"-20X3/4" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	**120392**	WASHER, 1/4" FLAT (12.9190)	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	**120380**	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
		2.7045 - COVER ASSY., GOV. (COMPLETE)												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5117865	# COVER ASSY. (5102547)	1					1						
	5127729	# COVER ASSY. (5102479)		1	1		1	1		1	1		1	1
	5117898	# COVER ASSY. (5102546)		1	1									
	5125187	# COVER ASSY. (5102661)				1								
	5127730	= COVER ASSY.										1		
	453007	BOLT ASSY. 1/4"-20X 1" HEX. HD (12.9001)	1					1						
	5101768	RETAINER, GOV. LEVER SPRING	1					1						
5A,B	**9417926**	BOLT & WASHER, 1/4"-20X3/4" FIL. HD. (12.9010)	6	6	6	6	6	6	6	6	6	6	6	6
5A,B	**5183701**	BOLT, 1/4"-20X5/8" FIL. HD. DRILLED (2.7812)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**120380**	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		= NOT SERVICED, USE 5102544 PLUS 5149316.												
		@ THRU 6VA-6061, 8VA-1162, 12VA-628.												
		2.7051 - GASKET, GOVERNOR COVER												
5A,B	**5117899**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT												
5A	**5158432**	# LEVER (2.7170)	1					1						
	5183042	LEVER (2.9410)		1	1	1	1	1		1	1		1	1
	5150130	* PLUG (GOVERNOR LEVER STOP) (1.1001)				1								
	180021	BOLT, 1/4"-20X7/8" (12.9001)			1	1								
5A	**213546**	BOLT, 1/4"-20X1" (12.9001)	1	1			1	1	1	1	1		1	1
	100002	* BOLT, 1/4"-28X1" (12.9001)				1								

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4747	4776	4778	5548	5676	6110	6115	6225	6228	6465	6533	6555
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT(CONT'D)												
5A	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR
	120613	* NUT, 1/4"-28 HEX. (12.9120)				1								
		# EFFECTIVE WITH 6VA-7328, 8VA-1465, 12VA-716.												
		* REQUIRED WHEN TAILSHAFT GOVERNOR IS USED.												
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT												
	5183671	LEVER (1 1/4" BETWEEN HOLES)		1	1						1	1		1
	5158432	LEVER (2 1/4" BETWEEN HOLES)		1	1		1	1					1	
	5100845	LEVER (2 1/16" BETWEEN HOLES)		1	1									
	5115970	LEVER								1				
	5161464	PIN, SWIVEL (2.9426)		1	1		1	1						
	5115971	PIN								1				
	103361	PIN, 1/16"X1/2" COTTER (12.9250)								2				
	5147345	PIN, 1/4" CLEVIS (2.9022)								1				
	5115969	LINK								2				
	5115972	BUSHING								1				
	142583	RETAINER, SPRING (12.9640)		1	1		1	1						
	132105	BOLT, #10-32X3/8" (12.9010)		1	1		1	1						
	180021	BOLT, 1/4"-20X7/8" (12.9001)		1	1		1							
	213546	BOLT, 1/4"-20X1" (12.9001)		1	1		1	1		1	1	1	1	1
	5150941	WASHER (2.7310)		1	1		1	1						
	120380	LOCKWASHER, 1/4" (12.9200)		AR	AR		AR	AR		AR	AR	AR	AR	AR
		2.7210 - SPRING, GOVERNOR LEVER RETRACTING												
	5108775	SPRING (2.9405)	1						1					
	5119679	SPRING				1								
		2.7220 - BRACKET, GOVERNOR LEVER RETRACTING SPRING												
	5125885	BRACKET				1								
	5172502	EYE, 1/4"-20X2 1/2" (2.9348)				1								
	132268	BOLT, 1/4"-20X7/8" FIL. HD. (12.9010)				2								
	120380	LOCKWASHER, 1/4" (12.9200)				2								
	120375	NUT, 1/4"-20 HEX. (12.9120)				2								
		2.7235 - HOUSING, GOVERNOR CONTROL												
5A,B	5124426	HOUSING ASSY. (INCLUDES TUBE AND PIN)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5124332	TUBE (FUEL ROD COVER) (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4744	4776	4778	5448	5576	6110	6115	6225	6228	6445	6533	6555
		2.7235 - HOUSING, GOVERNOR CONTROL (CONT'D)												
5A,B	**5150942**	PIN (DOWEL) (COVER ALIGNING) (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**116337**	PLUG, 1 1/16" EXPANSION (12.9330)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7250 - SHAFT ASSY. GOV. OPERATING												
		INCLUDES ITEMS IN 2.7255, 2.7280, 2.7300 PLUS BEARING AND WASHER IN 2.7260.												
	5117926 +	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
		+ NOT SERVICED; USE 5133795 SHAFT ASSY. AND INCLUDE (1) 5133686 SPACER IN 2.7260.												
		2.7255 - SHAFT, GOVERNOR OPERATING												
5A,B	**5117934** +	SHAFT	1	1	1	1	1	1	1	1	1	1	1	1
		+ NOT SERVICED; USE 5133795 SHAFT ASSY., AND INCLUDE (1) 5133686												
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT (UPPER)												
5A,B	**9431894**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
5B	**9421917**	SCREW, #10-24X7/16" RD. HD. SL. (12.9025)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5159080**	WASHER	1	1	1	1	1	1	1	1	1	1	1	1
5B	**120391**	WASHER, #10 FLAT (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
5B	**115545**	LOCKWASHER, #10 INT. TOOTH (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT (LOWER)												
5A,B	**954987**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
		2.7280 - LEVER, GOV. OPERATING SHAFT												
5A,B	**5117925** *	LEVER	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150898**	SCREW (GAP ADJUSTING)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**114492**	NUT, 1/4"-28 HEX. (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED, USE 5133795 SHAFT ASSY., AND INCLUDE 1-5133686 SPACER												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 474	476	478	548	576	610	615	625	628	645	653	655
		2.7280 - LEVER, GOV. OPERATING SHAFT (CONT'D)												
		IN 2.7260.												
		2.7290 - FORK, GOV. OPERATING SHAFT												
5A,B	5185605	FORK	1	1	1	1	1	1	1	1	1	1	1	1
		2.7300 - PIN, GOV. OPERATING SHAFT LEVER												
5A,B	5150943	PIN	1	1	1	1	1	1	1	1	1	1	1	1
		2.7310 - LEVER ASSY., GOVERNOR DIFFERENTIAL												
5A,B	5150394 *	LEVER ASSY. (INCLUDES PIN IN 2.7315)	1	1	1	1	1	1	1	1	1	1	1	1
5B	5117930 #	LEVER ASSY.	1	1	1									
5A,B	5150941	WASHER	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	142583	RETAINER, 13/64" (SPRING) (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1
		* EFFECTIVE WITH 6VA-6062, 8VA-1163, 12VA-629.												
		# THRU 6VA-6061, 8VA-1162, 12VA-628.												
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING												
5A,B	5117210	LINK	1	1	1	1	1	1	1	1	1	1	1	
	5124271 @	LINK, THROTTLE YIELD												2
	5124274 *	LINK ASSY. (2.7170)												1
	5124273	SPRING, THROTTLE YIELD LINK												2
5A,B	142583	RETAINER, 13/64" (SPRING) (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1
	5124272	PIN, THROTTLE YIELD LINK												2
	5124270	HOOK, THROTTLE YIELD LINK												2
5A,B	5150941	WASHER (2.7310)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* INCLUDES LINK, SPRING, HOOK AND PIN IN 2.7312.												
		@ NOT SERVICED, USE 5102559 LINK ASSY. AND 5102636 LINK.												
		2.7315 - PIN, GOV. DIFFERENTIAL LEVER												
5A,B	5150894 *	PIN (25/32"L.)	1	1	1	1	1	1	1	1	1	1	1	1
5B	5117929 #	PIN (1.68"L.)		1	1									
		* EFFECTIVE WITH 6VA-6062, 8VA-1163, 12VA-629.												
		# THRU 6VA-6061, 8VA-1162, 12VA-628.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4744	4776	4778	5548	5756	6110	6155	6255	6288	6455	6533	6555
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING												
		A LEVER ASSEMBLY INCLUDES BEARINGS.												
5A,B	**5122150**	# LEVER ASSY.	1	1	1									
5A,B	**5127373**	* LEVER ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**9437946**	BEARING (2.7440)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5143866**	PIN (3/8"X1 29/32"L.)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5122147**	# PIN (5/16"X2 9/16"L.)	1	1	1									
5A,B	**5117693**	PIN (5/16"X1"L.)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5127375**	* PIN (.309" DIA. X 3.12"L.)	1	1	1	1	1	1	1	1	1	1	1	1
	274574	# RING, RETAINER	2	2	2									
5A,B	**5122263**	CLIP, GOVERNOR CONTROL SHAFT LOCK	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**9421917**	SCREW, #10-24X 7/16" (12.9025)	1	1	1	1	1	1	1	1	1	1	1	1
	5150885	WASHER (2.7430)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**120217**	LOCKWASHER, #10 (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1
		* EFFECTIVE WITH 6VA-6062, 8VA-1163, 12VA-629.												
		# THRU 6VA-6061, 8VA-1162, 12VA-628.												
		2.7330 - CARRIER AND WEIGHT ASSY., GOVERNOR												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
	5122164	CARRIER AND WEIGHT ASSY.	1						1					
	5122163	CARRIER AND WEIGHT ASSY.		1	1	1	1			1	1	1		
	5108904	CARRIER AND WEIGHT ASSY.						1						
	5113906	CARRIER AND WEIGHT ASSY.											1	1
		2.7380 - RISER, GOVERNOR												
5A,B	**5133817**	@ RISER (.865" L.)	1						1					
5A,B	**5117193**	RISER (1.062" L.)		1	1	1	1	1		1	1	1	1	1
		@ NOT SERVICED. USE 5147910 AND INCLUDE 1-5147913 WEIGHT.												
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUST												
5A,B	**9433982**	* BEARING (.551" W.)	1						1					
5A,B	**9437108**	BEARING		1	1	1	1	1		1	1	1	1	1
		* 5133817 & 9433982 MUST BE USED TOGETHER IN VARIABLE SPEED GOVERNORS DATED 5-70 TO ASSURE INTERCHANGEABILITY.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4747	4746	4778	5548	5576	6110	6115	6225	6228	6445	6533	6555
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END												
5A,B	**907674**	BEARING (N.D. 3301LR1A)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150884**	SCREW	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150941**	WASHER (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150897**	LOCKWASHER	1	1	1	1	1	1	1	1	1	1	1	1
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING												
5A,B	**5183268**	CAP	1	1	1	1	1	1	1	1	1	1	1	1
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP												
5A,B	**5165221**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		2.7540 - SPRING, GOVERNOR LOW SPEED												
5B	**5151604**	SPRING (1 GREEN STRIPE)		1	1	1	1			1	1	1		1
5B	**5183704**	SPRING (2 YELLOW STRIPES)						1						
5B	**5122165**	SPRING (1 BLUE STRIPE)											1	
		2.7550 - SPRING, GOVERNOR HIGH SPEED												
5B	**5136160**	SPRING (2 PINK STRIPES)		1		1	1			1	1	1	1	1
5C,D	**5113876** *	SPRING (1 GREEN STRIPE)			1									
5C,D	**5125096** @	SPRING (2 YELLOW STRIPES)			1									
5C,D	**5121495**	SPRING (3 YELLOW STRIPES)						1						
		* THRU 6VA-6061, 8VA-1162 AND 12VA-628.												
		@ EFFECTIVE WITH 6VA-6062, 8VA-1163 AND 12VA-629.												
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING												
5B	**5182555**	PLUNGER (5.32" L.)		1		1	1			1	1	1	1	1
5B,C,D	**5126135**	PLUNGER (3.12" L.)			1			1						
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING												
5B,C,D	**5150892**	SEAT		1	1	1	1	1		1	1	1	1	1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING												
5B,C,D	**5117931**	CAP		1	1	1	1	1		1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 474	476	478	548	576	610	615	625	628	645	653	655
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING												
5B,C,D	5102270	SCREW, 1/4"-28X 1" (12.9076)		1	1	1	1	1		1	1	1	1	1
5B,C,D	5101432	PIN (3.98"L.)		1		1	1			1	1	1	1	1
	5101798	PIN (1.80"L.)			1			1						
5B,C,D	114492	NUT, 1/4"-28 HEX. (12.9120)		1	1	1	1	1		1	1	1	1	1
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
5B	5182557	RETAINER (2 3/4" L.)		1		1	1			1	1	1	1	1
5C,D	5113867	RETAINER (1" L.)			1			1						
		2.7612 - PISTON, GOVERNOR SPEED ADJUSTING												
5C	5113873	PISTON (EARLY TYPE) (1"L.)			1									
5D	5125603	PISTON (LATE TYPE) (1.56"L.)			1			1						
5C	5113871 *	SLEEVE (1.62"L.) (EARLY TYPE)			1									
5D	5125604	SLEEVE (1.56"L.) (LATE TYPE)			1			1						
5C,D	5114167	RING SEAL			1			1						
		* NOT SERVICED, WHEN REPLACEMENT REQUIRED USE ITEMS MARKED LATE TYPE IN 2.7612 AND 2.7655.												
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER												
5B	5182558	LOCKNUT		1		1	1			1	1	1	1	1
		2.7620 - GUIDE, GOVERNOR HIGH SPEED SPRING												
5C,D	5124551	GUIDE			1			1						
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING												
5D	5123949	COVER (INCLUDES NUT)			1			1						
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
5B	5182559	HOUSING (3 7/32"L.)		1		1	1			1	1	1	1	1
5C,D	5113868	HOUSING (2.44"L.)			1			1						
	5127189	RING, BLOCKING			1			1						
	274386	BOLT, 5/16"-18X3 1/4" DRILLED HD. (12.9001)			2			2						

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4747	4476	4778	5488	5776	6108	6155	6225	6288	6455	6535	6555
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW(CONT'D)												
5B	**445520**	BOLT, 5/16"-18X3 1/2" (12.9001)		2		2	2			2	2	2	2	2
5B	**5155596**	WASHER, 5/16" FLAT COPPER (12.9190)		2		2	2			2	2	2	2	2
5B	**103320**	LOCKWASHER, 5/16" (12.9200)		2	2	2	2	2		2	2	2	2	2
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
5B	**5152944**	GASKET		1	2	1	1	2		1	1	1	1	1
5B,C,D	**5152944**	GASKET (COVER AND HOUSING)			2			2						
		2.7655 - SCREW, GOVERNOR HIGH SPEED CONTROL												
5C	**5113938** *	BOLT (5/16"-24X2 1/4"L.)			1									
5D	**5124313** #	BOLT (5/16"-24X1.88"L.)			1			1						
5D	**5123922** #	SHIM (.010") (2.7600)			10			10						
5D	**5123923** #	SHIM (.10") (2.7600)			4			4						
5C	**214279** *	NUT (5/16"-24 HEX. SELF LOCKING) (12.9120)			1									
		* WITH EARLY TYPE PISTON IN 2.7612.												
		# WITH LATE TYPE PISTON IN 2.7612.												
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING												
		SEE ASSEMBLY BREAKDOWN PAGE C1.												
	5179124 @	HOUSING ASSY.	1											
	5126841 &	HOUSING ASSY. (5139262)	1											
	5126842 +	HOUSING ASSY. (5139662)							1					
5A	**445520**	BOLT, 5/16"-18X3 1/2" (12.9001)	2						2					
5A	**103320**	LOCKWASHER, 5/16" (12.9200)	2						2					
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE; EARLY TYPE WITH 3/4" COUNTERBORE FOR SHAFT PACKING. FOR COMPLETE REPLACEMENT USE 5126841												
		& LATE TYPE, 5/8" BORE, NO COUNTERBORE FOR PACKING.												
		+ NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES WHICH INCORPORATES A NEW WIDER ROLLER BEARING.												
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING												
5A	**5152944**	GASKET (2.7650)	1						1					

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4744	4768	4788	5488	5768	6108	6155	6255	6288	6455	6553	6555
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED												
5A	5122270	SPRING	1						1					
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING												
5A	5117932	PLUNGER	1						1					
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER												
5A	5152939	GUIDE	1						1					
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING												
5A	5152941 @	RETAINER @ NOT SERVICED, REPLACE WITH 5137276 AND INCLUDE SIX (6) 5136590 SHIMS TO ASSURE INTERCHANGEABILITY.	1						1					
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING												
5A	5171784	STOP (WITH STEP)	1						1					
5A	5174430	STOP (WITH GAP)	1						1					
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING												
5A	5152962	SHIM (.010")	AR						AR					
5A	5153904	SHIM (.078")	AR						AR					
		2.7810 - SCREW ASSY., GOVERNOR BUFFER												
5A,B	5117952	SCREW ASSY. (WITH SPRING)	1	1	1	1	1	1	1	1			1	
5A,B	5152929	SPRING	1	1	1	1	1	1	1	1			1	
5A,B	5174286	NUT, 3/8"-24 HEX. (12.9140)	1	1	1	1	1	1	1	1			1	
		2.7850 - CYLINDER ASSY., FAST IDLE AIR INCLUDES NUT IN 2.7850 AND ITEMS IN 2.7855 THRU 2.7870.												
5E	5129010	AIR CYLINDER ASSY.									1	1		1
	5129216	CLIP, SUPPORT (1.25" I.D.)									1	1		1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4744	4476	4778	5548	5776	6110	6155	6255	6228	6445	6533	6555
		2.7850 - CYLINDER ASSY., FAST IDLE AIR (CONT'D)												
5E	**5174286**	NUT, 3/8"-24 HEX. (12.9140)									1	1		1
		2.7855 - COVER, FAST IDLE AIR CYLINDER												
5E	**5129213**	*COVER, AIR CYLINDER INLET*									1	1		1
5E	**9411820**	RETAINER, SPRING (2.9097)									1	1		1
		2.7860 - PISTON, FAST IDLE AIR CYLINDER												
5E	**5120448**	PISTON (2.9094)									1	1		1
5E	**2193514**	RING, SEAL (2.9094)									2	2		2
		2.7865 - PLUNGER, FAST IDLE AIR CYLINDER												
5E	**5129264**	PLUNGER									1	1		1
5E	**5152929**	SPRING (2.7810)									1	1		1
		2.7870 - SPRING, FAST IDLE AIR CYLINDER												
5E	**5112908**	SPRING (OUTER) (2.9097)									1	1		1
5E	**5129009**	SPRING (INNER)									1	1		1
5E	**5120449**	FOLLOWER, SPRING (2.9097)									1	1		1
5E	**274267**	RETAINER, SPRING (2.9097)									1	1		1
		2.7945 - SEAL, GOVERNOR												
	5101140	SEAL		AR	AR	AR	AR	AR		AR	AR	AR	AR	AR

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6559	6744	7044	7148	7449	7550	7551	7552	7553	7554	7555	7556
		2.7001 - GgovernOR ASSY.												
		▪ FOR TYPE 686 USE TYPE 1089.▪ ▪ FOR TYPE 716 USE TYPE 1090.▪ INCLUDES ITEMS IN 2.7045 THRU 2.7810 EXCEPT ITEMS IN 2.7165 AND 2.7170.												
	5126526	* @ GOVERNOR ASSY. (LIMITING SPD.) (8921496)	GOVERNOR ASSY LIMITING SPD. 8921496								1			
	5130435	@ GOVERNOR ASSY. (LIMITING SPD.) (8921498)	1											
	5133808	@ GOVERNOR ASSY. (VARIABLE SPD.) (5102924)			1									
#	5132979	@ GOVERNOR ASSY. (VARIABLE SPD.) (5102925)				1								
#	5133688	@ GOVERNOR ASSY. (VARIABLE SPD.) (5102825)					1	1						
#	5133807	@ GOVERNOR ASSY. (VARIABLE SPD.) (5102923)							1					
	5133809	@ GOVERNOR ASSY. (VARIABLE SPD.) (5102925)								1				
	5133599	@ GOVERNOR ASSY. (LIMITING SPEED) (8921496)									1	1	1	1
5A,B	179827	# BOLT, 5/16"-18X2 1/4" (12.9001)	7	7	7	7	7	7	7	7	7	7	7	7
5A,B	179827	& BOLT, 5/16"-18X2 1/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
5A,B	186271	# BOLT, 5/16"-18X3 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	186272	BOLT, 5/16"-18X4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	272545	BOLT, 5/16"-18X5 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	446202	WASHER, 5/16" COPPER (12.9190)	2	2	2	2	2	2	2	2				2
5A,B	120393	# WASHER, 5/16" (12.9190)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5155596	WASHER, 5/16" (4.7120)									2	2	2	
5A,B	120393	WASHER, 5/16" (12.9190)									8	8	8	
5A,B	103320	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8
		# FIG. 13A OF 1.0000. * EFFECTIVE WITH 6VA-6062, 8VA-1163, 12VA-629. @ NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT, USE GOVERNOR ASSY. SHOWN. # (THRU DECEMBER 1975) & (EFFECTIVE WITH JANUARY 1976)												
		2.7002 - NAME PLATE, GOVERNOR												
	5122166	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1
	145369	SCREW, #0-3/16" DRIVE (12.9067)	2	2	2	2	2	2	2	2	2	2	2	2
		2.7010 - GASKET, GOVERNOR TO BLOWER												
5A,B	5126499	GASKET (3.4190)	1	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 659	674	704	718	749	750	751	752	753	754	755	756
		2.7030 - SPACER, GOV. TO CYLINDER HEAD												
5A,B	**5124333**	COVER, GOVERNOR FUEL ROD	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5123812**	GASKET (1.2060)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5104527**	*HOSE, 1 I.D.X1" L*	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5104358**	CLAMP, 1 1/2" HOSE (12.9660)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**454894**	BOLT, 1/4"-20X3/4" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	**120392**	WASHER, 1/4" FLAT (12.9190)	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	**120380**	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
		2.7045 - COVER ASSY., GOV. (COMPLETE)												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5117865	@ COVER ASSY. (5102547)			1	1	1	1	1	1				
	5127729	* @ COVER ASSY. (5102479)		1							1	1	1	1
	5125187	@ COVER ASSY. (5102661)	1											
	453007	BOLT ASSY. 1/4"-20X 1" HEX. HD (12.9001)			1	1	1	1	1	1				
	5101768	*RETAINER, GOV. LEVER SPRING*			1	1	1	1	1	1				
5A,B	**9417926**	BOLT & WASHER, 1/4"-20X3/4" FIL. HD. (12.9010)	6	6	6	6	6	6	6	6	7	7	7	7
5A,B	**5183701**	BOLT, 1/4"-20X5/8" FIL. HD. DRILLED (2.7812)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**120380**	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* EFFECTIVE WITH 6VA-6062, 8VA-1163, 12VA-629.												
		@ NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		2.7051 - GASKET, GOVERNOR COVER												
5A,B	**5117899**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT												
5A	**5158432**	# LEVER (2.7170)			1	1	1	1	1	1		1		
	5183042	LEVER (2.9410)	1	1							1		1	1
	5150130	* PLUG (GOVERNOR LEVER STOP) (1.1001)	1											
	5146369	SPACER									1	1	1	
	180021	BOLT, 1/4"-20X7/8" (12.9001)	1											
5A	**213546**	BOLT, 1/4"-20X1" (12.9001)		1	1	1	1	1	1	1	1	1	1	1
	100002	* BOLT, 1/4"-28X1" (12.9001)	1											
5A	**120380**	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	120613	* NUT, 1/4"-28 HEX. (12.9120)	1											
		# EFFECTIVE WITH 6VA-7328, 8VA-1465, 12VA-716.												
		* REQUIRED WHEN TAILSHAFT GOVERNOR IS USED.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 659	674	704	718	749	750	751	752	753	754	755	756
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT												
	5183671	LEVER (1 1/4" BETWEEN HOLES)												1
	5158432	LEVER (2 1/4" BETWEEN HOLES)									1			
	5164318	LEVER (2.9340)		1									1	
	5183042	LEVER (2.7160)										1		
	5161464	PIN, SWIVEL (2.9426)										1		
	142583	RETAINER, SPRING (12.9640)										1		
	132105	BOLT, #10-32X3/8" (12.9010)										1		
	213546	BOLT, 1/4"-20X1" (12.9001)		1							1	1	1	1
	5150941	WASHER (2.7310)										1		
	120380	LOCKWASHER, 1/4" (12.9200)		AR							AR			
		2.7210 - SPRING, GOVERNOR LEVER RETRACTING												
	5108775	SPRING (2.9405)		1	1	1	1	1	1	1				
	5119679	SPRING	1											
		2.7220 - BRACKET, GOVERNOR LEVER RETRACTING SPRING												
	5125885	BRACKET	1											
	5172502	EYE, 1/4"-20X2 1/2" (2.9348)	1											
	132268	BOLT, 1/4"-20X7/8" FIL. HD. (12.9010)	2											
	120380	LOCKWASHER, 1/4" (12.9200)	2											
	120375	NUT, 1/4"-20 HEX. (12.9120)	2											
		2.7235 - HOUSING, GOVERNOR CONTROL												
5A,B	5124426	HOUSING ASSY. (INCLUDES TUBE AND PIN)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5124332	TUBE (FUEL ROD COVER) (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	5150942	PIN (DOWEL) (COVER ALIGNING) (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	116337	PLUG, 1 1/16" EXPANSION (12.9330)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7250 - SHAFT ASSY. GOV. OPERATING												
		INCLUDES ITEMS IN 2.7255, 2.7280, 2.7300 PLUS BEARING AND WASHER IN 2.7260.												
	5117926 +	SHAFT ASSY.	1	1	1	1								
	5133795	SHAFT ASSY.					1	1	1	1	1	1	1	1
		+ NOT SERVICED; USE 5133795 SHAFT ASSY. AND INCLUDE (1) 5133686 SPACER												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6559	6744	7044	7148	7449	7500	7512	7523	7544	7555	7566
		2.7250 - SHAFT ASSY. GOV. OPERATING (CONT'D).											
		IN 2.7260.											
		2.7255 - SHAFT, GOVERNOR OPERATING											
5A,B	5117934 +	SHAFT	1	1	1	1							
5A,B	5133680	SHAFT					1	1	1	1	1	1	1	1
		+ NOT SERVICED; USE 5133795 SHAFT ASSY. AND INCLUDE (1) 5133686 SPACER IN 2.7260.											
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT (UPPER)											
5A,B	9431894	BEARING	1	1	1	1							
5A,B	9431896	BEARING					1	1	1	1	1	1	1	1
5A,B	5133686	SPACER					1	1	1	1	1	1	1	1
5B	9421917	SCREW, #10-24X7/16" RD. HD. SL. (12.9025)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5159080	WASHER	1	1	1	1								
5B	120391	WASHER, #10 FLAT (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
5B	115545	LOCKWASHER, #10 INT. TOOTH (12.9200)	1	1	1	1								
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT (LOWER)											
5A,B	954987	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
		2.7280 - LEVER, GOV. OPERATING SHAFT											
5A,B	5117925 +	LEVER	1	1	1	1							
5A,B	5132747	LEVER					1	1	1	1	1	1	1	1
5A,B	5150898	SCREW (GAP ADJUSTING)	1	1	1	1								
5A,B	5132962	SCREW (GAP ADJUSTING)					1	1	1	1	1	1	1	1
5A,B	114492	NUT, 1/4"-28 HEX. (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
		+ NOT SERVICED. USE 5133795 SHAFT ASSY., AND INCLUDE 1-5133686 SPACER IN 2.7260.											
		2.7290 - FORK, GOV. OPERATING SHAFT											
5A,B	5185605	FORK	1	1	1	1							
5A,B	5138335	FORK					1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 659	674	704	718	749	750	751	752	753	754	755	756
		2.7300 - PIN, GOV. OPERATING SHAFT LEVER												
5A,B	5150943	PIN	1	1	1	1	1	1	1	1	1	1	1	1
		2.7310 - LEVER ASSY., GOVERNOR DIFFERENTIAL												
5A,B	5150394	* LEVER ASSY. (INCLUDES PIN IN 2.7315)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5150941	WASHER	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	142583	RETAINER, 13/64" (SPRING) (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1
		* EFFECTIVE WITH 6VA-6062, 8VA-1163, 12VA-629.												
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING												
5A,B	5117210	LINK	1	1		1	1	1	1	1	1	1	1	1
	5124271	@ LINK, THROTTLE YIELD			2									
	5124274	* LINK ASSY. (2.7170)			1									
	5124273	SPRING, THROTTLE YIELD LINK			2									
5A,B	142583	RETAINER, 13/64" (SPRING) (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1
	5124272	PIN, THROTTLE YIELD LINK			2									
	5124270	HOOK, THROTTLE YIELD LINK			2									
5A,B	5150941	WASHER (2.7310)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* INCLUDES LINK, SPRING, HOOK AND PIN IN 2.7312.												
		@ NOT SERVICED USE 5102259 LINK ASSY AND 5102636 LINK.												
		2.7315 - PIN, GOV. DIFFERENTIAL LEVER												
5A,B	5150894	@ PIN (25/32"L.)	1	1	1	1	1	1	1	1	1	1	1	1
		@ EFFECTIVE WITH 6VA-6062, 8VA-1163, 12VA-629.												
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING												
		A LEVER ASSEMBLY INCLUDES BEARINGS.												
5A,B	5127373	@ LEVER ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	9437946	BEARING (2.7440)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	5143866	PIN (3/8"X1 29/32"L.)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5117693	PIN (5/16"X1"L.)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5127375	@ PIN (.309" DIA. X3.12"L.)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5122263	CLIP, GOVERNOR CONTROL SHAFT LOCK	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	9421917	SCREW, #10-24X7/16" (12.9025)	1	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 659	674	704	718	749	750	751	752	753	754	755	756
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING (CONT'D)												
	5150885	WASHER (2.7430)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	120217	LOCKWASHER, #10 (12.9200)	1	1	1	1								
		@ EFFECTIVE WITH 6VA-6062, 8VA-1163, 12VA-629.												
		2.7330 - CARRIER AND WEIGHT ASSY., GOVERNOR												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
	5122164	CARRIER AND WEIGHT ASSY.			1	1	1	1	1	1				
	5122163	CARRIER AND WEIGHT ASSY.		1							1	1	1	1
	5113906	CARRIER AND WEIGHT ASSY.	1											
		2.7380 - RISER, GOVERNOR												
5A,B	5133817	@ RISER (.865" L.)			1	1	1	1	1	1				
5A,B	5117193	RISER (1.062" L.)	1	1							1	1	1	1
		@ NOT SERVICED. USE 5147910 AND INCLUDE 1-5147913 WEIGHT.												
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUST												
	9433982	* BEARING (.551" W.)			1	1	1	1	1	1				
5A,B	9437108	BEARING	1	1							1	1	1	1
		* 5133817 & 9433982 MUST BE USED TOGETHER IN VARIABLE SPEED GOVERNORS DATED 5-70 TO ASSURE INTERCHANGEABILITY.												
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END												
5A,B	907674	BEARING (N.D. 3301LR1A)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5150884	SCREW	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5150941	WASHER (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5150897	LOCKWASHER	1	1	1	1	1	1	1	1	1	1	1	1
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING												
5A,B	5183268	CAP	1	1	1	1	1	1	1	1	1	1	1	1
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP												
5A,B	5165221	GASKET	1	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 659	674	704	718	749	750	751	752	753	754	755	756
		2.7540 - SPRING, GOVERNOR LOW SPEED												
5B	**5151604**	SPRING (1 GREEN STRIPE)	1	1										
5B	**5122165**	SPRING (1 BLUE STRIPE)									1	1	1	1
		2.7550 - SPRING, GOVERNOR HIGH SPEED												
5B	**5136160**	SPRING (2 PINK STRIPES)	1	1							1	1	1	1
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING												
5B	**5182555**	PLUNGER (5.32" L.)	1	1							1	1	1	1
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING												
5B,C,D	**5150892**	SEAT	1	1							1	1	1	1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING												
5B,C,D	**5102968**	CAP	1	1							1	1	1	1
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING *ADJUSTING*												
	5102270	SCREW, 1/4"-28X 1" (12.9076)	1	1							1	1	1	1
5B,C,D	**5101432**	PIN (3.98"L.)	1	1							1	1	1	1
5B,C,D	**122161**	NUT, 1/4"-28 HEX. (12.9120)	1	1							1	1	1	1
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
5B	**5182557**	RETAINER (2 3/4" L.)	1	1							1	1	1	1
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER												
5B	**5182558**	LOCKNUT	1	1							1	1	1	1
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
5B	**5182559**	HOUSING (3 7/32"L.)	1	1							1	1	1	1
5B	**445520**	BOLT, 5/16"-18X3 1/2" (12.9001)	2	2							2	2	2	2
5B	**5155596**	WASHER, 5/16" FLAT COPPER (12.9190)	2	2							2	2	2	2
5B	**103320**	LOCKWASHER, 5/16" (12.9200)	2	2							2	2	2	2

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 659	674	704	718	749	750	751	752	753	754	755	756
	2.7650	**- GASKET, GOVERNOR HIGH SPEED SPRING COVER**												
5B	**5152944**	GASKET	1	1							1	1	1	1
	2.7680	**- HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING**												
		SEE ASSEMBLY BREAKDOWN PAGE C1.												
	5126841 *	# HOUSING ASSY. (5139262)			1		1	1						
	5126842 +	HOUSING ASSY. (5139662)							1					
	5132980 +	HOUSING ASSY. (5144009)				1				1				
5A	**445520**	BOLT, 5/16"-18X3 1/2" (12.9001)			2	2	2	2	2	2				
5A	**103320**	LOCKWASHER, 5/16" (12.9200)			2	2	2	2	2	2				
		* LATE TYPE, 5/8" BORE, NO COUNTERBORE FOR PACKING.												
		+ NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE ASSY., SHOWN IN PARENTHESES WHICH INCORPORATES A NEW WIDER ROLLER BEARING.												
	2.7700	**- GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING**												
5A	**5152944**	GASKET (2.7650)			1	1	1	1	1	1				
	2.7760	**- SPRING, GOVERNOR VARIABLE SPEED**												
5A	**5122270**	SPRING			1	1	1	1	1	1				
	2.7770	**- PLUNGER, GOVERNOR VARIABLE SPEED SPRING**												
5A	**5117932**	PLUNGER			1	1	1	1	1	1				
	2.7780	**- GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER**												
5A	**5152939**	GUIDE			1	1	1	1	1	1				
	2.7790	**- RETAINER, GOVERNOR VARIABLE SPEED SPRING**												
5A	**5152941** @	RETAINER			1	1	1	1	1	1				
		@ NOT SERVICED, REPLACE WITH 5137276 AND INCLUDE SIX (6) 5136590 SHIMS TO												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 659	674	704	718	749	750	751	752	753	754	755	756
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING(CONT'D)												
		ASSURE INTERCHANGEABILITY.												
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING												
5A	**5171784**	STOP (WITH STEP)			1	1	1	1	1	1				
5A	**5174430**	STOP (WITH GAP)			1	1	1	1	1	1				
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING												
5A	**5152962**	SHIM (.010")			AR	AR	AR	AR	AR	AR				
5A	**5153904**	SHIM (.078")			AR	AR	AR	AR	AR	AR				
		2.7810 - SCREW ASSY., GOVERNOR BUFFER												
5A,B	**5117952**	SCREW ASSY. (WITH SPRING)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5152929**	SPRING	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5174286**	NUT, 3/8"-24 HEX. (12.9140)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7945 - SEAL, GOVERNOR												
	5101140	SEAL	AR	AR							AR	AR	AR	AR

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 757	758	759	760	761	762	763	765	766	769	772	782
		2.7001 - GOVERNOR ASSY.												
		▪ FOR TYPE 774 USE TYPE 1093.▪												
		▪ FOR TYPE 775 USE TYPE 1092.▪												
		INCLUDES ITEMS IN 2.7045 THRU 2.7810 EXCEPT ITEMS IN 2.7165 AND 2.7170.												
	5133790	* GOVERNOR ASSY. (LIMITING SPD.) (8921496)	1		1									
	5133789	* GOVERNOR ASSY. (LIMITING SPD.) (8921497)		1										
	5133788	* GOVERNOR ASSY. (LIMITING SPEED) (8921498)			1									
	5133786	* GOVERNOR ASSY. (LIMITING SPD.) (5102934)				1								
	5133785	* GOVERNOR ASSY. (LIMITING SPEED) (8921498)					1		1					
	5133783	@ GOVERNOR ASSY. (LIMITING SPEED)						1						
#	5133808	* GOVERNOR ASSY. (VARIABLE SPD.) (5102924)							1					
	5143729	* GOVERNOR ASSY. (LIMITING SPD.) (5102932)								1				
#	5133810	* GOVERNOR ASSY. (VARIABLE SPEED) (5102926)									1			
	5126526	* GOVERNOR ASSY. (LIMITING SPEED.) (8921496)										1	1	
	5129149	* GOVERNOR ASSY. (LIMITING SPD.) (5102934)												1
5A,B	179827	& BOLT, 5/16"-18X2 1/4" (12.9001)	7	7	7	7	7	7	7	7	7	7	7	7
	179827	% BOLT, 5/16"-18X2 1/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
5A,B	186271	& BOLT, 5/16"-18X3 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	186272	BOLT, 5/16"-18X4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	272545	BOLT, 5/16"-18X5 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	446202	WASHER, 5/16" FLAT COPPER (12.9190)		2	2			2	2	2	2	2	2	2
5A,B	120393	WASHER, 5/16" (12.9190)	8			8	8				16			
5A,B	120393	& WASHER, 5/16" (12.9190)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	103320	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8
		# FIG. 13A OF 1.0000.												
		* NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE GOVERNOR SHOWN IN PARENTHESES.												
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE.												
		& THRU DECEMBER 1975												
		% EFF. JANUARY 1976												
		+ NOT SERVICED, USE COMPONENTS.												
		2.7002 - NAME PLATE, GOVERNOR												
	5122166	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1
	145369	SCREW, #0-3/16" DRIVE (12.9067)	2	2	2	2	2	2	2	2	2	2	2	2
		2.7010 - GASKET, GOVERNOR TO BLOWER												
5A,B	5126499	GASKET	1	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 757	758	759	760	761	762	763	765	766	769	772	782
		2.7030 - SPACER, GOVERNOR TO CYLINDER HEAD												
5A,B	5124333	COVER, GOVERNOR FUEL ROD	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	5123812	GASKET (1.2060)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	5104527	HOSE, 1 I.D.X1" L	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	5104592	CLAMP, 1 1/2" HOSE (12.9660)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	454894	BOLT, 1/4"-20X3/4" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	120392	WASHER, 1/4" FLAT (12.9190)	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	120380	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
		2.7045 - COVER ASSY., GOVERNOR (COMPLETE)												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5127729	+ COVER ASSY. (5102479)	1	1				1		1		1	1	
	5125187	+ COVER ASSY. (5102661)			1		1							
	5127730	= COVER ASSY.				1								1
	5117865	+ COVER ASSY. (5102547)							1		1			
	5101768	RETAINER, GOV. LEVER SPRING							1		1			
	453007	BOLT ASSY., 1/4"-20X1" HEX. HD. (12.9001)							1		1			
5A,B	9417926	BOLT AND WASHER, 1/4"-20X3/4" FIL HD. (12.9010)BOLT AND WASHER, 1/4"-20X3/4" FILHD. (12.9010) 6 6 6 6 7 6 7 6 6 6 6												
5A,B	5183701	* BOLT, 1/4"-20X5/8" FIL HD. DRILLED (2.7812)	1	1	1	1	1	1	1	1	1	1	1	1
	443603	@ BOLT, 1/4"-20X3/4" (12.9001)	8											
5A,B	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* OTHER THAN TURBOCHARGER UNITS.												
		@ WITH TURBOCHARGER UNITS.												
		+ NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		= NOT SERVICED, USE 5102544 PLUS 5149316.												
		2.7051 - GASKET, GOVERNOR COVER												
5A,B	5117899	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT												
5A	5158432	LEVER (2.7170)							1					
	5183042	LEVER (2.9410)	1	1	1		1	1		1			1	
	5150130	* PLUG (GOVERNOR LEVER STOP) (1.1001)			1		1							
	5146369	SPACER	1			1		1						
	180021	BOLT, 1/4"-20X7/8" (12.9001)			1		1							
5A	213546	BOLT, 1/4"-20X1" (12.9001)	1	1				1	1	1			1	
	100002	* BOLT, 1/4"-28X1" (12.9001)			1		1							
5A	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR		AR	AR	AR	AR			AR	
	120613	* NUT, 1/4"-28 HEX. (12.9120)			1		1							
		* REQUIRED WHEN TAILSHAFT GOV IS USED.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 757	758	759	760	761	762	763	765	766	769	772	782
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT												
	5183671	LEVER (1 1/4" BETWEEN HOLES)		1		1						1		
	5100845	LEVER (2 1/16" BETWEEN HOLES)						1						
	5158432	LEVER (2 1/4" BETWEEN HOLES)	1							1	1		1	1
	5161464	PIN, SWIVEL (2.9426)						1						
	142583	RETAINER, SPRING (12.9640)						1						
	132105	BOLT, #10-32X3/8" (12.9010)						1						
	213546	BOLT, 1/4"-20X1" (12.9001)	1	1		1		1		1	1	1	1	1
	5150941	WASHER (2.7310)						1						
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR		AR		AR		AR	AR	AR	AR	AR
		2.7210 - SPRING, GOVERNOR LEVER RETRACTING												
	5108775	SPRING (2.9405)									1			
	5119679	SPRING			1		1							
		2.7220 - BRACKET, GOVERNOR LEVER RETRACTING SPRING												
	5125885	BRACKET			1		1							
	5172502	EYE, 1/4"-20X2 1/2" (2.9348)			1		1							
	132268	BOLT, 1/4"-20X7/8" FIL. HD. (12.9010)			2		2							
	120380	LOCKWASHER, 1/4" (12.9200)			2		2							
	120375	NUT, 1/4"-20 HEX. (12.9120)			2		2							
		2.7235 - HOUSING, GOVERNOR CONTROL												
5A,B	5124426	HOUSING ASSY. (INCLUDES TUBE AND PIN)	1	1	1	1	1	1	1			1	1	1
5A,B	5133797	HOUSING ASSY. (INCLUDES TUBE AND PIN)								1	1			
5A,B	5124332	TUBE (FUEL ROD COVER)	2	2	2	2	2	2	2	2	2	2	2	2
	5133798	TUBE (ROD CONNECTOR COVER)								1	1			
5A,B	5150942	PIN (DOWEL) (COVER ALIGNING)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	116337	PLUG, 1 1/16" EXPANSION (12.9330)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7250 - SHAFT ASSY., GOV. OPERATING												
		INCLUDES ITEMS IN 2.7255, 2.7280, 2.7300 PLUS BEARING AND WASHER IN 2.7260.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 757	758	759	760	761	762	763	765	766	769	772	782
		2.7250 - SHAFT ASSY., GOV. OPERATING (CONT'D)												
	5117926 *	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
	5133795	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED, USE 5133795 SHAFT ASSY. AND INCLUDE 1-5133686 SPACER IN 2.7260.												
		2.7255 - SHAFT, GOVERNOR OPERATING												
5B	5133680	SHAFT	1	1	1	1	1	1	1	1	1			
5A,B	5117934 *	SHAFT										1	1	1
		* NOT SERVICED, USE 5133795 SHAFT ASSY. AND INCLUDE 1-5133686 SPACER IN 2.7260.												
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT (UPPER)												
5A,B	9431896	BEARING	1	1	1	1	1	1	1	1	1			
5B	9431894	BEARING										1	1	1
5A,B	5133686	SPACER	1	1	1	1	1	1	1	1	1			
5B	113903	SCREW, #10-24X7/16" RD. HD. (12.9025)										1	1	1
5B	9421917	SCREW AND WASHER, #10-24X7/16" (12.9025)	1	1	1	1	1	1	1	1	1			
5B	5159080	WASHER										1	1	1
5B	120391	WASHER, #10 FLAT (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
5B	115545	LOCKWASHER, #10 INT. TOOTH (12.9200)										1	1	1
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT (LOWER)												
5A,B	954987	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT												
5A,B	5132747	LEVER	1	1	1	1	1	1	1	1	1			
5B	5117925 *	LEVER										1	1	1
5A,B	5132962	SCREW (GAP ADJUSTING)	1	1	1	1	1	1	1		1			
	5145007	SCREW (GAP ADJUSTING)								1				
	5145008	SCREW (GAP ADJUSTING STOP)								1				
5B	5150898	SCREW (GAP ADJUSTING)										1	1	1
5A,B	114492	NUT, 1/4"-28 HEX. (12.9120)	1	1	1	1	1	1	1		1	1	1	1
		* NOT SERVICED, USE 5133795 SHAFT												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 757	758	759	760	761	762	763	765	766	769	772	782
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT (CONT'D)												
		ASSY. AND INCLUDE 1-5133686 SPACER IN 2.7260.												
		2.7290 - FORK, GOVERNOR OPERATING SHAFT												
5A,B	5138335	FORK	1	1	1	1	1	1	1	1	1			
5B	5185605	FORK										1	1	1
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER												
5A,B	5150943	PIN	1	1	1	1	1	1	1	1	1	1	1	1
		2.7310 - LEVER ASSY., GOVERNOR DIFFERENTIAL												
5A,B	5150394	LEVER ASSY. (INCLUDES PIN IN 2.7315)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5150941	WASHER	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	142583	RETAINER, 13/64" (SPRING) (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING												
5A,B	5117210	LINK	1		1	1	1	1					1	1
	5124274 +	LINK ASSY. (2.7170)		1					1	1	1	1		
	5124271 *	LINK, THROTTLE YIELD		2					2	2	2	2		
	5124273	SPRING, THROTTLE YIELD LINK		2					2	2	2	2		
5A,B	142583	RETAINER, 13/64" (SPRING) (12.9640)	1	1	1	1	1	1		1	1	1	1	1
	5124272	PIN, THROTTLE YIELD LINK		2					2	2	2	2		
	5124270	HOOK, THROTTLE YIELD LINK		2					2	2	2	2		
5A,B	5150941	WASHER (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1
		+ INCLUDES LINK, SPRING, HOOK AND PIN IN 2.7312.												
		* NOT SERVICED, USE 5102559 LINK ASSY. AND 5102636 LINK.												
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER												
5A,B	5150894	PIN (25/32"L.)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING												
		A LEVER ASSY. INCLUDES BEARINGS.												
5A,B	5127373	LEVER ASSY.	1	1	1	1	1	1	1			1	1	1
5B	5132871	LEVER ASSY.								1	1			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 757	758	759	760	761	762	763	765	766	769	772	782
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING (CONT'D)												
5A,B	**9437946**	BEARING (2.7440)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5127375**	PIN (.309" DIA.X3.12"L.)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5117693**	PIN (5/16"X1" L.)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5143866**	PIN (2"L.)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5122263**	CLIP, GOVERNOR CONTROL SHAFT LOCK	1	1	1	1	1	1	1	1	1	1	1	1
	5108755	STUD, BALL JOINT								1	1			
5A,B	**9421917**	SCREW AND LOCKWASHER, #10-24X7/16" RD. HD. SL. (12.9025)	1	1	1	1	1	1	1	1	1			
5B	**113903**	SCREW, #10-24X7/16" RD. HD. (12.9025)										1	1	1
	5150885	WASHER (2.7430)	2	2	2	2	2	2	2	2	2	2	2	2
5B	**120217**	LOCKWASHER, #10 (12.9200)										1	1	1
	120423	LOCKWASHER, 1/4" INT. TOOTH (12.9220)								1	1			
		2.7330 - CARRIER AND WEIGHT ASSY., GOVERNOR												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
	5113906	CARRIER AND WEIGHT ASSY.	1	1	1									
	5122163	CARRIER AND WEIGHT ASSY.				1	1	1				1	1	1
	5122164	CARRIER AND WEIGHT ASSY.							1					
	5133689	CARRIER AND WEIGHT ASSY.								1				
	5133702	CARRIER AND WEIGHT ASSY.									1			
		2.7380 - RISER, GOVERNOR												
5A,B	**5117193**	RISER (1.062"L.)	1	1	1	1	1	1		1		1	1	1
5A	**5133817**	@ RISER (.865" L.)							1		1			
		@ NOT SERVICED. USE 5147910 RISER AND INCLUDE 1-5147913 WEIGHT.												
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUST												
5A,B	**9437108**	BEARING	1	1	1	1	1	1		1		1	1	1
5A	**9433982**	* BEARING (.551" W.)							1		1			
		* 5133817 AND 9433982 MUST BE USED TOGETHER IN 6V, 8V, 12V-71 VARIABLE SPEED GOVERNORS DATED 5-70 TO ASSURE INTERCHANGEABILITY.												
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END												
5A,B	**907674**	BEARING (N.D. 3301L1214A)	1	1	1	1	1	1	1			1	1	1
5B	**907681**	BEARING (N.D. 3303FXRIA)								1	1			
5A,B	**5150884**	SCREW	1	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 757	758	759	760	761	762	763	765	766	769	772	782
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END (CONT'D)												
5A,B	5150941	WASHER, 21/64" (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5150897	LOCKWASHER	1	1	1	1	1	1	1	1	1	1	1	1
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING												
5A,B	5183268	CAP	1	1	1	1	1	1	1			1	1	1
5B	5140533	CAP								1	1			
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP												
5A,B	5165221	GASKET	1	1	1	1	1	1	1			1	1	1
5A,B	5134092	GASKET								1	1			
		2.7540 - SPRING, GOVERNOR LOW SPEED												
5B	5122165	SPRING (1 BLUE STRIPE)	1	1			1	1		1				
5B	5151604	SPRING (1 GREEN STRIPE)			1	1						1	1	1
		2.7550 - SPRING, GOVERNOR HIGH SPEED												
5B	5136160	SPRING (2 PINK STRIPES)	1	1	1	1	1					1	1	1
5C,D	5125096	SPRING (2 YELLOW STRIPES)						1						
5B	5133691	SPRING (2 ALUMINUM STRIPES)								1				
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING												
5B	5182555	PLUNGER (5.32"L.)	1	1	1	1	1			1		1	1	1
5B,C,D	5126135	PLUNGER (3.12"L.)						1						
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING												
5B,C,D	5150892	SEAT	1	1	1	1	1	1		1		1	1	1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING												
5B,C,D	5102968	CAP	1	1	1	1	1	1		1		1	1	1
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING												
5C,D	5101798	PIN (1.80"L.)						1						
	5102270	SCREW, 1/4"-28X1" HEX. SOC. (12.9076)	1	1	1	1	1	1		1		1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 757	758	759	760	761	762	763	765	766	769	772	782
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING(CONT'D)												
5B,C,D	5101432	PIN (3.98"L.)	1	1	1	1	1			1		1	1	1
5B,C,D	114492	NUT, 1/4"-28 HEX. (12.9120)	1	1	1	1	1	1		1		1	1	1
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
5B	5182557	RETAINER (2 3/4"L.)	1	1	1	1	1			1		1	1	1
5C,D	5113867	RETAINER (1"L.)						1						
		2.7612 - PISTON, GOVERNOR SPEED ADJUSTING												
5D	5125603	PISTON (LATE TYPE) (1.56"L.)						1						
5D	5125604	SLEEVE (1.56"L.)						1						
5C,D	5114167	RING, SEAL						1						
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER												
5B	5182558	LOCKNUT	1	1	1	1	1			1		1	1	1
		2.7620 - GUIDE, GOVERNOR HIGH SPEED SPRING												
5C,D	5124551	GUIDE						1						
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING												
5D	5123949	COVER (INCLUDES NUT)						1						
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
5C,D	5113868	HOUSING (2.44"L.)						1						
5B	5182559	HOUSING (3 7/32"L.)	1	1	1	1	1			1		1	1	1
	5127189	RING, BLOCKING						1						
	274386	BOLT, 5/16"-18X3 1/4" DRILLED HD. (12.9001)						2						
5B	100129	BOLT, 5/16"-18X3 1/2" (12.9001)	2	2	2	2	2			2		2	2	2
5B	5155596	WASHER, 5/16" FLAT COPPER (12.9190)	2	2	2	2	2			2		2	2	2
5B	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2		2		2	2	2
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
5B	5152944	GASKET	1	1	1	1	1	2		1		1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 757	758	759	760	761	762	763	765	766	769	772	782
		2.7655 - SCREW, GOVERNOR HIGH SPEED CONTROL												
5D	5124313	BOLT (5/16"-24X1.88"L.)						1						
5D	5123922	SHIM (.010") (2.7600)						10						
5D	5123923	SHIM (.10") (2.7600)						4						
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING												
		SEE ASSEMBLY BREAKDOWN PAGE C1.												
	5126841 @	HOUSING ASSY. (5139262)							1		1			
5A	445520	BOLT, 5/16"-18X3 1/2" (12.9001)							2		2			
5A	103320	LOCKWASHER, 5/16" (12.9200)							2		2			
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES WHICH INCORPORATES A NEW WIDER ROLLER BEARING.												
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING												
5A	5152944	GASKET (2.7650)							1		1			
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED												
5A	5122270	SPRING							1					
5A	5133712	SPRING									1			
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING												
5A	5117932	PLUNGER							1					
5A	5133818	PLUNGER									1			
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER												
5A	5152939	GUIDE							1		1			
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING												
5A	5137276	RETAINER							1		1			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 757	758	759	760	761	762	763	765	766	769	772	782
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING												
5A	5171784	STOP (WITH STEP)							1		1			
5A	5174430	STOP (WITH GAP)							1		1			
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING												
5A	5152962	SHIM (.010")							AR		AR			
5A	5153904	SHIM (.078")							AR		AR			
5A	5136590	SHIM (.010")							6		6			
		2.7810 - SCREW ASSY., GOVERNOR BUFFER												
5A,B	5117952	SCREW ASSY. (WITH SPRING)	1		1	1	1	1	1	1	1			1
5A,B	5174286	NUT, 3/8"-24 HEX. (12.9140)	1		1	1	1	1	1	1	1			1
		2.7850 - CYLINDER ASSY., FAST IDLE AIR												
		INCLUDES NUT IN 2.7850 AND ITEMS IN 2.7855 THRU 2.7870.												
5E	5129010	AIR CYLINDER ASSY.		1		1						1	1	
	5129216	CLIP, SUPPORT (1.25"I.D.)		1		1						1	1	
5E	9414568	NUT, 3/8"-24 HEX. (12.9140)		1		1						1	1	
		2.7855 - COVER, FAST IDLER AIR CYLINDER												
5E	5129213	COVER, AIR CYLINDER INLET		1		1						1	1	
5E	9411820	RETAINER, SPRING		1		1						1	1	
		2.7860 - PISTON, FAST IDLE AIR CYLINDER												
5E	5120448	PISTON (2.9094)		1		1						1	1	
5E	2193514	RING, SEAL (2.9094)		2		2						2	2	
		2.7865 - PLUNGER, FAST IDLE AIR CYLINDER												
5E	5129264	PLUNGER		1		1						1	1	
5E	5152929	SPRING (2.7810)		1		1						1	1	
		2.7870 - SPRING, FAST IDLE AIR CYLINDER												
5E	5112908	SPRING (OUTER) (2.9097)		1		1						1	1	
5E	5129009	SPRING (INNER)		1		1						1	1	
	5120449	FOLLOWER, SPRING (2.9097)		1		1						1	1	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 757	758	759	760	761	762	763	765	766	769	772	782
		2.7870 - SPRING, FAST IDLE AIR CYLINDER (CONT'D)												
	274267	RETAINER, SPRING (2.9097)		1		1						1	1	
		2.7892 - HOUSING ASSY., GOVERNOR CONTROL LINK												
		INCLUDES ITEMS IN 2.7896 THRU 2.7902.												
	5133694	HOUSING ASSY.								1	1			
	5124333	COVER (2.7030)								2	2			
	5123812	GASKET (1.2060)								2	2			
	5104556	HOSE (1"I.D.X.56"L.) (2.7030)								1	1			
	5124355	HOSE (1"I.D.X13/16"L.) (2.7030)								2	2			
	451206	CLAMP, 1" HOSE (12.9660)								1	1			
	5104358	CLAMP, 1" HOSE (12.9660)								2	2			
	454894	BOLT, 1/4"-20X3/4" (12.9001)								4	4			
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)								6	6			
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)								1	1			
	186272	BOLT, 5/16"-18X4" (12.9001)								1	1			
	186274	BOLT, 5/16"-18X5" (12.9001)								1	1			
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)								1	1			
	120392	WASHER, 1/4" FLAT (12.9190)								4	4			
	5155596	WASHER, 5/16" FLAT COPPER (12.9190)								2	2			
	120380	LOCKWASHER, 1/4" (12.9200)								4	4			
	103320	LOCKWASHER, 5/16" (12.9200)								8	8			
		2.7894 - GASKET, GOVERNOR CONTROL LINK HOUSING												
	5126499	GASKET (2.7010)								1	1			
		2.7896 - HOUSING, GOVERNOR CONTROL LINK												
	5133695	HOUSING ASSY. (INCLUDES TUBE AND PIN)								1	1			
	5133799	TUBE								1	1			
	5124332	TUBE (2.7235)								2	2			
	5119314	PIN (.375X1.68") (2.7230)								1	1			
		2.7898 - COVER, GOVERNOR CONTROL LINK HOUSING												
	5133697	COVER								1	1			
	9417926	BOLT & LOCKWASHER, 1/4"-20X3/4" FIL. HD. (12.9010)								6	6			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 757	758	759	760	761	762	763	765	766	769	772	782
		2.7900 - GASKET, GOVERNOR CONTROL LINK HOUSING COVER												
	5133698	GASKET								1	1			
		2.7902 - LEVER ASSY., GOVERNOR CONTROL LINK HOUSING OPERATING												
	5132879	LEVER ASSY. (INCLUDES BEARINGS)								1	1			
	9437946	BEARING (2.7440)								2	2			
	5117693	PIN (2.7217)								2	2			
	5150885	WASHER (2.7430)								2	2			
	148148	RETAINER, 1/4" SPRING (12.9640)								1	1			
	5108755	STUD, BALL JOINT (2.7317)								1	1			
	120423	LOCKWASHER, 1/4" INT. TOOTH (12.9210)								1	1			
		2.7905 - ROD, GOVERNOR CONNECTING												
	5125518	ROD, BALL JOINT END (2.8940)								1	1			
	5133693	LINK, BALL JOINT								1	1			
	114492	NUT, 1/4"-28 HEX. THIN (12.9120)								1	1			
		2.7945 - SEAL, GOVERNOR												
	5101140	SEAL	AR	AR	AR	AR	AR	AR		AR		AR	AR	AR

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 784	787	789	813	820	824	842	846	862	864	867
		2.7001 - GOVERNOR ASSY.											
		INCLUDES ITEMS IN 2.7045 THRU 2.7810 EXCEPT ITEMS IN 2.7165 AND 2.7170.											
	5133790	* GOVERNOR ASSY. (LIMITING SPD.) (8921496)									1		1
	5133786	* GOVERNOR ASSY. (LIMITING SPD.) (5102934)				1						1	
	5133785	* GOVERNOR ASSY. (LIMITING SPEED) (8921498)						1					
#	**5132382**	* GOVERNOR ASSY. (VARIABLE SPD.) (5102924)	1										
	5133599	* GOVERNOR ASSY. (LIMITING SPEED) (8921496)		1	1				1				
	5135403	* GOVERNOR ASSY. (LIMITING SPEED) (5102819)					1						
	5133807	* GOVERNOR ASSY. (VARIABLE SPD.) (5102923)								1			
5A,B	**179827**	# BOLT, 5/16"-18X2 1/4" (12.9001)	7	7	7	7	7	7	7	7	7	7	7
	179827	& BOLT, 5/16"-18X2 1/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8
5A,B	**186271**	# BOLT, 5/16"-18X3 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1
5A,B	**186272**	BOLT, 5/16"-18X4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1
5A,B	**272545**	BOLT, 5/16"-18X5 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1
6A,B	**120393**	WASHER, 5/16" (12.9190)						8					8
5A,B	**446202**	WASHER, 5/16" COPPER (12.9190)	2	2	2	2	2		2	2	2	2	
5A,B	**120393**	# WASHER, 5/16" (12.9190)	1	1	1	1	1	1	1	1	1	1	1
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	8	8	8	8	8	8
		# FIG. 13A OF 1.0000.											
		* NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE GOVERNOR ASSY. SHOWN IN PARENTHESES.											
		# THRU DECEMBER 1975											
		& EFF. JANUARY, 1976.											
		2.7002 - NAME, PLATE, GOVERNOR											
	5122166	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1
	145369	SCREW #4X3/16" DRIVE (12.9067)	2	2	2	2	2	2	2	2	2	2	2
		2.7010 - GASKET, GOVERNOR TO BLOWER											
5A,B	**5126499**	GASKET	1	1	1	1	1	1	1	1	1	1	1
		2.7030 - SPACER, GOVERNOR TO CYLINDER HEAD											
5A,B	**5124333**	COVER, GOVERNOR FUEL ROD	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5123812**	GASKET (1.2060)	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5104527**	HOSE, 1 I.D.X1" L.	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5104592**	CLAMP, 1 1/2" HOSE (12.9660)	2	2	2	2	2	2	2	2	2	2	2
5A,B	**454894**	BOLT, 1/4"-20X3/4" (12.9001)	4	4	4	4	4	4	4	4	4	4	4

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7844	7847	7849	8113	8200	8244	8422	8446	8622	8644	8667
		2.7030 - SPACER, GOVERNOR TO CYLINDER HEAD (CONT'D)											
5A,B	120392	WASHER, 1/4" FLAT (12.9190)	4	4	4	4	4	4	4	4	4	4	4
5A,B	120380	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4	4	4	4	4
		2.7045 - COVER ASSY., GOVERNOR (COMPLETE)											
		SEE ASSEMBLY BREAKDOWN PAGE A1.											
	5127729	+ COVER ASSY. (5102479)		1	1			1		1			
	5125187	+ COVER ASSY. (5102661)						1					
	5127730	= COVER ASSY.				1						1	
	5117865	+ COVER ASSY. (5102547)	1							1			
	5135307	+ COVER ASSY. (5102544)					1						
	5101768	RETAINER, GOV. LEVER SPRING								1			
	453007	BOLT ASSY., 1/4"-20X1" HEX. HD. (12.9001)								1			
	9417926	# BOLT, 1/4"-20X 5/8" FIL. HD. (12.9010)	7	7	7	6	7		7	6	6	7	6
5A,B	5183701	* BOLT, 1/4"-20X5/8" FIL. HD. DRILLED (2.7812)	1	1	1	1	1	1	1	1	1	1	1
5A,B	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
		+ NOT SERVICED, USE PART NUMBER IN PARENTHESES.											
		= *NOT SERVICED, USE 5102544 PLUS 5149316.*											
		* OTHER THAN TURBOCHARGER UNITS.											
		# WITH TURBOCHARGER UNITS.											
		2.7051 - GASKET, GOVERNOR COVER											
5A,B	5117899	GASKET	1	1	1	1	1	1	1	1	1	1	1
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT											
5A	5158432	LEVER (2.7170)								1			
	5183042	LEVER (2.9410)			1			1	1		1		1
	5150130	* PLUG (GOVERNOR LEVER STOP) (1.1001)						1					
	5146369	SPACER		1			1	1				1	1
	180021	BOLT, 1/4"-20X7/8" (12.9001)						1					
5A	213546	BOLT, 1/4"-20X1" (12.9001)			1			1	1		1		1
	100002	* BOLT, 1/4"-28X1" (12.9001)						1					
5A	120380	LOCKWASHER, 1/4" (12.9200)			AR			AR	AR		AR		AR
	120613	* NUT, 1/4"-28 HEX. (12.9120)						1					
		* REQUIRED WHEN TAILSHAFT GOVERNOR IS USED.											
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT											
	5183671	LEVER (1 1/4" BETWEEN HOLES)		1	2							1	
	5158432	LEVER (2 1/4" BETWEEN HOLES)	1			1	1		1	1	1		1
	213546	BOLT, 1/4"-20X1" (12.9001)	1	1	2	1	1		1	2	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 784	787	789	813	820	824	842	846	862	864	867
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT(CONT'D)											
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
		2.7210 - SPRING, GOVERNOR LEVER RETRACTING											
	5108775	SPRING (2.9405)	1							1			
	5119679	SPRING						1					
		2.7220 - BRACKET, GOVERNOR LEVER RETRACTING SPRING											
	5125885	BRACKET						1					
	5173106	BRACKET (2.9405)								1			
	5172502	EYE, 1/4"-20X2 1/2" (2.9348)						1					
	132268	BOLT, 1/4"-20X7/8" FIL. HD. (12.9010)						2					
	120380	LOCKWASHER, 1/4" (12.9200)						2					
	120375	NUT, 1/4"-20 HEX. (12.9120)						2					
		2.7235 - HOUSING, GOVERNOR CONTROL											
5A,B	5124426	HOUSING ASSY. (INCLUDES TUBE AND PIN)	1	1	1	1	1	1	1	1	1	1	1
5A,B	5124332	TUBE (FUEL ROD COVER)	2	2	2	2	2	2	2	2	2	2	2
5A,B	5150942	PIN (DOWEL) (COVER ALIGNING)	2	2	2	2	2	2	2	2	2	2	2
5A,B	116337	PLUG, 1 1/16" EXPANSION (12.9330)	1	1	1	1	1	1	1	1	1	1	1
		2.7250 - SHAFT ASSY., GOV. OPERATING											
		INCLUDES ITEMS IN 2.7255, 2.7280, 2.7300 PLUS BEARING AND WASHER IN 2.7260.											
	5117926 *	SHAFT ASSY.	1								1		1
	5133795	SHAFT ASSY.		1	1	1	1	1	1	1	1	1	1
	5189599 @	SHAFT ASSY., GOV. DRIVE (FLEX.) (2.8025)						1					
		* NOT SERVICED, USE 5133795 SHAFT ASSY. AND INCLUDE 1-5133686 SPACER IN 2.7260.											
		@ REQUIRED WHEN TAILSHAFT GOVERNOR IS USED.											
		2.7255 - SHAFT, GOVERNOR OPERATING											
5B	5133680	SHAFT		1	1	1	1	1	1	1	1	1	1
5A,B	5117934 *	SHAFT	1										
		* NOT SERVICED, USE 5133795 SHAFT											

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 784	787	789	813	820	824	842	846	862	864	867
		2.7255 - SHAFT, GOVERNOR OPERATING (CONT'D)											
		ASSY. AND INCLUDE 1-5133686 SPACER IN 2.7260.											
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT (UPPER)											
5A,B	**9431896**	BEARING		1	1	1	1	1	1	1	1	1	1
5B	**9431894**	BEARING	1										
5A,B	**5133686**	SPACER		1	1	1	1	1	1	1	1	1	1
5B	**113903**	SCREW, #10-24X7/16" RD. HD. (12.9025)	1										
5B	**9421917**	SCREW AND WASHER, #10-24X7/16" (12.9025)		1	1	1	1	1	1	1	1	1	1
5B	**5159080**	WASHER	1										
5B	**120391**	WASHER, #10 FLAT (12.9120)	1	1	1	1	1	1	1	1	1	1	1
5B	**115545**	LOCKWASHER, #10 INT. TOOTH (12.9200)	1										
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT (LOWER)											
5A,B	**954987**	BEARING	1	1	1	1	1	1	1	1	1	1	1
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT											
5A,B	**5132747**	LEVER		1	1	1	1	1	1	1	1	1	1
5B	**5117925** *	LEVER	1										
5A,B	**5132962**	SCREW (GAP ADJUSTING)		1	1	1	1	1	1	1	1	1	1
5B	**5150898**	SCREW (GAP ADJUSTING)	1										
5A,B	**114492**	NUT, 1/4"-28 HEX. (12.9120)	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED, USE 5133795 SHAFT ASSY. AND INCLUDE 1-5133686 SPACER IN 2.7260.											
		2.7290 - FORK, GOVERNOR OPERATING SHAFT											
5A,B	**5138335**	FORK		1	1	1	1	1	1	1	1	1	1
5B	**5185605**	FORK	1										
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER											
5A,B	**5150943**	PIN	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 784	787	789	813	820	824	842	846	862	864	867
		2.7310 - LEVER ASSY., GOVERNOR DIFFERENTIAL											
5A,B	5150394	LEVER ASSY. (INCLUDES PIN IN 2.7315)	1	1	1	1	1	1	1	1	1	1	1
5A,B	5150941	WASHER	1	1	1	1	1	1	1	1	1	1	1
5A,B	142583	RETAINER, 13/64" (SPRING) (12.9640)	1	1	1	1	1	1	1	1	1	1	1
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING											
5A,B	5117210	LINK		1	1	1	1	1	1	1	1	1	1
	5124274	+ LINK ASSY. (2.7170)	1										
	5124271	* LINK, THROTTLE YIELD	2										
	5124273	SPRING, THROTTLE YIELD LINK	2										
5A,B	142583	RETAINER, 13/64" (SPRING) (12.9640)	1	1	1	1	1	1	1	1	1	1	1
	5124272	PIN, THROTTLE YIELD LINK	2										
	5124270	HOOK, THROTTLE YIELD LINK	2										
5A,B	5150941	WASHER (2.7310)	1	1	1	1	1	1	1	1	1	1	1
		+ INCLUDES LINK, SPRING, HOOK AND PIN IN 2.7312.											
		* NOT SERVICED, USE 5102559 LINK ASSY. AND 5102636 LINK.											
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER											
5A,B	5150894	PIN (25/32"L.)	1	1	1	1	1	1	1	1	1	1	1
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING											
		A LEVER ASSY. INCLUDES BEARINGS.											
5A,B	5127373	LEVER ASSY.	1	1	1	1	1	1	1	1	1	1	1
5A,B	9437946	BEARING (2.7440)	2	2	2	2	2	2	2	2	2	2	2
5A,B	5127375	PIN (.309" DIA.X3.12"L.)	1	1	1	1	1	1	1	1	1	1	1
5A,B	5117693	PIN (5/16"X1" L.)	1	1	1	1	1	1	1	1	1	1	1
5A,B	5143866	PIN (2"L.)	1	1	1	1	1	1	1	1	1	1	1
5A,B	5122263	CLIP, GOVERNOR CONTROL SHAFT LOCK	1	1	1	1	1	1	1	1	1	1	1
5A,B	9421917	SCREW AND LOCKWASHER, #10-24X7/16" RD. HD. SL. (12.9025)		1	1	1	1	1	1		1	1	1
5B	113903	SCREW, #10-24X7/16" RD. HD. (12.9025)	1							1			
	5150885	WASHER (2.7430)	2	2	2	2	2	2	2	2	2	2	2
5B	120217	LOCKWASHER, #10 (12.9200)	1										
		2.7330 - CARRIER AND WEIGHT ASSY., GOVERNOR											
		SEE ASSEMBLY BREAKDOWN PAGE B1.											
	5113906	CARRIER AND WEIGHT ASSY.									1		1
	5122163	CARRIER AND WEIGHT ASSY.		1	1	1	1	1	1			1	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 784	787	789	813	820	824	842	846	862	864	867
		2.7330 - CARRIER AND WEIGHT ASSY., GOVERNOR (CONT'D)											
	5122164	CARRIER AND WEIGHT ASSY.	1							1			
		2.7380 - RISER, GOVERNOR											
5A,B	**5117193**	RISER (1.062" L.)		1	1	1	1	1	1		1	1	1
5A	**5133817**	@ RISER (.865" L.)	1							1			
		@ NOT SERVICED. USE 5147910 RISER AND INCLUDE 1-5147913 WEIGHT.											
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUS T											
5A,B	**9437108**	BEARING		1	1	1	1	1	1		1	1	1
5A	**9424075**	* BEARING (.551" W.)	1							1			
		* 5133817 AND 9424075 MUST BE USED TOGETHER IN 6V, 8V, 12V-71 VARIABLE SPEED GOVERNORS DATED 5-70 TO ASSURE INTERCHANGEABILITY.											
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END											
5A,B	**907674**	BEARING (N.D. 3301L1214A)	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150884**	SCREW	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150941**	WASHER, 21/64" (2.7310)	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150897**	LOCKWASHER	1	1	1	1	1	1	1	1	1	1	1
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING											
5A,B	**5183268**	CAP	1	1	1	1	1	1	1	1	1	1	1
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP											
5A,B	**5165221**	GASKET	1	1	1	1	1	1	1	1	1	1	1
		2.7540 - SPRING, GOVERNOR LOW SPEED											
5B	**5122165**	SPRING (1 BLUE STRIPE)			1	1	1	1	1		1		1
5B	**5151604**	SPRING (1 GREEN STRIPE)		1								1	
		2.7550 - SPRING, GOVERNOR HIGH SPEED											
5B	**5136160**	SPRING (2 PINK STRIPES)		1	1	1	1	1	1		1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7841	7847	7849	8113	8204	8242	8422	8446	8622	8644	8667
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING											
5B	**5182555**	PLUNGER (5.32"L.)		1	1	1	1	1	1		1	1	1
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING											
5B,C,D	**5150892**	SEAT		1	1	1	1	1	1		1	1	1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING											
5B,C,D	**5102968**	CAP		1	1	1	1	1	1		1	1	1
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING											
	5102270	SCREW, 1/4"-28X1" HEX. SOC. (12.9076)		1	1	1	1	1	1		1	1	1
5B,C,D	**5101432**	PIN (3.98"L.)		1	1	1	1	1	1		1	1	1
5B,C,D	**114492**	NUT, 1/4"-28 HEX. (12.9120)		1	1	1	1	1	1		1	1	1
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING											
5B	**5182557**	RETAINER (2 3/4"L.)		1	1	1	1	1	1		1	1	1
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER											
5B	**5182558**	LOCKNUT		1	1	1	1	1	1		1	1	1
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW											
5B	**5182559**	HOUSING (3 7/32"L.)		1	1	1	1	1	1		1	1	1
5B	**100129**	BOLT, 5/16"-18X3 1/2" (12.9001)		2	2	2	2	2	2		2	2	2
5B	**5155596**	WASHER, 5/16" FLAT COPPER (12.9190)		2	2	2	2	2	2		2	2	2
5B	**103320**	LOCKWASHER, 5/16" (12.9200)		2	2	2	2	2			2		2
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER											
5B	**5152944**	GASKET		1	1	1	1	1	1		1	1	1
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING											
		SEE ASSEMBLY BREAKDOWN PAGE C1.											
	5126841 @	HOUSING ASSY. (5139262)	1										
	5126842 @	HOUSING ASSY. (5139662)								1			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 784	787	789	813	820	824	842	846	862	864	867
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING(CONT'D)											
5A	445520	BOLT, 5/16"-18X3 1/2" (12.9001)	2							2			
5A	103320	LOCKWASHER, 5/16" (12.9200)	2							2			
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES WHICH INCORPORATES A NEW WIDER ROLLER BEARING.											
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING											
5A	5152944	GASKET (2.7650)	1							1			
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED											
5A	5122270	SPRING	1							1			
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING											
5A	5117932	PLUNGER	1							1			
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER											
5A	5152939	GUIDE	1							1			
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING											
5A	5137276	RETAINER	1							1			
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING											
5A	5171784	STOP (WITH STEP)	1							1			
5A	5174430	STOP (WITH GAP)	1							1			
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING											
5A	5152962	SHIM (.010")	AR							AR			
5A	5153904	SHIM (.078")	AR							AR			
5A	5136590	SHIM (.010")	6							6			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 784	787	789	813	820	824	842	846	862	864	867
		2.7810 - SCREW ASSY., GOVERNOR BUFFER											
5A,B	**5117952**	SCREW ASSY. (WITH SPRING)	1			1	1	1	1	1	1	1	1
5A,B	**5174286**	NUT, 3/8"-24 HEX. (12.9140)	1			1	1	1	1	1	1	1	1
		2.7850 - CYLINDER ASSY., FAST IDLE AIR											
		INCLUDES NUT IN 2.7850 AND ITEMS IN 2.7855 THRU 2.7870.											
5E	**5129010**	AIR CYLINDER ASSY.		1	1								
5E	**5131807**	AIR CYLINDER ASSY.							1				
	5129216	CLIP, SUPPORT (1.25"I.D.)		1	1				1				
5E	**9414568**	NUT, 3/8"-24 HEX. (12.9140)		1	1				1				
		2.7855 - COVER, FAST IDLER AIR CYLINDER											
5E	**5129213**	COVER, AIR CYLINDER INLET		1	1				1				
5E	**9411820**	RETAINER, SPRING		1	1				1				
		2.7860 - PISTON, FAST IDLE AIR CYLINDER											
5E	**5120448**	PISTON (2.9094)		1	1				1				
5E	**2193514**	RING, SEAL (2.9094)		2	2				2				
		2.7865 - PLUNGER, FAST IDLE AIR CYLINDER											
5E	**5129264**	PLUNGER		1	1				1				
5E	**5152929**	SPRING (2.7810)		1	1				1				
		2.7870 - SPRING, FAST IDLE AIR CLEANER											
5E	**5112908**	SPRING (OUTER) (2.9097)		1	1				1				
5E	**5129009**	SPRING (INNER)		1	1								
5E	**5120604**	SPRING (INNER)							1				
5E	**5120449**	FOLLOWER, SPRING (2.9097)		1	1				1				
5E	**274267**	RETAINER, SPRING (2.9097)		1	1				1				
		2.7945 - SEAL, GOVERNOR											
	5101140	SEAL		AR	AR								

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8870	9200	9240	9530	10540	10670	10750	10790	10870	10890	10900	10920
		2.7001 - GOVERNOR ASSY.												
		▪ FOR TYPE 1062 USE TYPE 1295.▪ INCLUDES ITEMS IN 2.7045 THRU 2.7810 EXCEPT ITEMS IN 2.7165 AND 2.7170.												
	5133790	* GOVERNOR ASSY. (LIMITING SPEED) (8921496)	1											
	5133784	* GOVERNOR ASSY. (LIMITING SPEED) (5102934)		1										
	5133599	* GOVERNOR ASSY. (LIMITING SPEED) (8921496)			1									
	5140775	* GOVERNOR ASSY. (VARIABLE SPEED) (5102928)				1								
	5143989	* GOVERNOR ASSY. (VARIABLE SPEED) (5102825)					1							
	5143729	* GOVERNOR ASSY. (LIMITING SPD.) (5102932)						1						
	5144127	* GOVERNOR ASSY. (VARIABLE SPEED) (5102923)							1		1			
	5144129	* GOVERNOR ASSY. (VARIABLE SPEED) (5102925)								1				
	5131833	* GOVERNOR ASSY. (LIMITING SPEED) (8921496)										1		
	5132616	* GOVERNOR ASSY. (LIMITING SPEED) (DUAL) (5102837)											1	
	5133792	* GOVERNOR ASSY. (LIMITING SPEED) (DUAL) (5102837)												1
5A,B	**179827**	@ BOLT, 5/16"-18X2 1/4" (12.9001)	7	7	7	7	7	7	7	7	7	7	7	7
5A,B	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
5A,B	**186271**	@ BOLT, 5/16"-18X3 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**186272**	BOLT, 5/16"-18X4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**272545**	BOLT, 5/16"-18X5 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**446202**	WASHER, 5/16" COPPER (12.9190)		2		2		2				2	2	
5A,B	**5155596**	WASHER, 5/16" (4.7120)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**120393**	WASHER, 5/16" (12.9190)	8		8	8	8	16	8	8	8	8	8	8
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8
		* NOT SERVICED, COMPONENTS ARE AVAILABLE: FOR COMPLETE REPLACEMENT USE GOVERNOR SHOWN IN PARENTHESES.												
		@ THRU DEC. 1975												
		2.7002 - NAME PLATE, GOVERNOR												
	5122166	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1
	145369	SCREW, #0-3/16" DRIVE RD. HD. (12.9067)	2	2	2	2	2	2	2	2	2	2	2	2
		2.7010 - GASKET, GOVERNOR TO BLOWER												
5A,B	**5126499**	GASKET (3.4190)	1	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8871	9201	9240	9531	1054	1067	1075	1079	1087	1089	1090	1092
		2.7030 - SPACER, GOVERNOR TO CYLINDER HEAD												
5A,B	**5124333**	COVER, GOVERNOR FUEL ROD	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5123812**	GASKET (1.2060)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5104527**	HOSE (1 I.D.X1" L.	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5104592**	CLAMP, 1 1/2" HOSE (12.9600)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**454894**	BOLT, 1/4"-20X3/4" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	**120392**	WASHER, 1/4" FLAT (12.9190)	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	**120380**	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
		2.7045 - COVER ASSY., GOVERNOR (COMPLETE)												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5127729	* COVER ASSY. (5102479)	1		1			1				1	1	1
	5127730	@ COVER ASSY.		1										
	5140772	* COVER ASSY. (5102548)				1								
	5117865	* COVER ASSY. (5102547)					1		1	1	1			
	5101768	RETAINER, GOV. LEVER SPRING				1	1		1	1	1			
5A,B	**453007**	BOLT ASSY., 1/4"-20X1" HEX. HD (12.9001)				1	1		1	1	1			
5A,B	**271468**	BOLT, 1/4"-20X3/4" FIL. HD. (12.9010)	7	7	7			7				7	7	7
5A,B	**9417926**	BOLT, 1/4"-20X3/4" FIL. HD. (12.9010)				6	6		6	6	6			
5A,B	**5183701**	BOLT, 1/4"-20X5/8" FIL. HD. DRILLED (2.7812)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**103319**	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		@ NOT SERVICED, USE 5102544 PLUS 5149316.												
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		2.7051 - GASKET, GOVERNOR COVER												
5A,B	**5117899**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT												
5A	**5183042**	LEVER (2.9410)			1			1				1		
5A	**5146369**	SPACER	1	1	1			1						
5A	**213546**	BOLT, 1/4"-20X1" (12.9001)			1			1				1		
5A	**120380**	LOCKWASHER, 1/4" (12.9200)			1			1				1		
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT												
	5158432	LEVER (2 1/4" BETWEEN HOLES)	1			1	1	1	1	1	1	1		
	5183671	LEVER (1 1/4" BETWEEN HOLES)		1										
	5100845	LEVER (2 1/16" BETWEEN HOLES)			1									
	213546	BOLT, 1/4"-20X1" (12.9001)	1	1	1	1	1	1	1	1	1	1		
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1		

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 887	920	924	953	1054	1067	1075	1079	1087	1089	1090	1092
		2.7210 - SPRING, GOVERNOR LEVER RETRACTING												
	5156530	SPRING (2.9405)				1								
	5108775	SPRING (2.9405)					1		1	1	1			
		2.7220 - BRACKET, GOVERNOR LEVER RETRACTING SPRING												
	5134672	BRACKET				1								
	5173106	BRACKET (2.9405)							1					
		2.7235 - HOUSING, GOVERNOR CONTROL												
		INCLUDES TUBE AND PIN.												
5A,B	5124426	HOUSING	1	1	1	1	1		1	1	1	1	1	1
	5101292 *	HOUSING ASSY. (INCLUDES TUBES, PIN AND EXTERNAL STARTING AID SCREW)						1						
5A,B	5124332	TUBE (FUEL ROD COVER) (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2
	5133798	TUBE (ROD CONNECTOR COVER)						1						
5A,B	5150942	PIN, 3/16"X7/16" DOWEL (COVER ALIGNING) (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	116337	PLUG, 1 1/16" EXPANSION (12.9330)	1	1	1	1	1	1	1	1	1	1	1	1
	5101197	STARTING AID SCREW						1						
	5174286	LOCK NUT						1						
		* WHEN USING TO REPLACE 5133797 INCLUDE SHAFT ASSY. 5133795.												
		2.7250 - SHAFT ASSY., GOV. OPERATING												
		INCLUDES ITEMS IN 2.7255, 2.7280, 2.7300 PLUS BEARING AND WASHER IN 2.7260.												
	5133795	SHAFT ASSY.	1	1	1	1	1		1	1	1	1	1	1
	5147174 @	SHAFT ASSY.						1						
		@ NOT SERVICED; USE 5133795, (1) 5145007 AND (1) 5145008.												
		2.7255 - SHAFT, GOVERNOR OPERATING												
5N	5133680	SHAFT	1	1	1	1	1	1	1	1	1	1	1	1
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT (UPPER)												
5A,B	9431896	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5133686	SPACER	1	1	1	1	1	1	1	1	1	1	1	1
5B	9421917	SCREW & WASHER, #10-24X7/16"	1	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 887	920	924	953	1054	1067	1075	1079	1087	1089	1090	1092
	2.7260	**- BEARING, GOVERNOR OPERATING SHAFT (UPPER)(CONT'D)**												
		(12.9025)												
5B	**120391**	WASHER, #10 FLAT (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
	2.7270	**- BEARING, GOVERNOR OPERATING SHAFT (LOWER)**												
5A,B	**954987**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
	2.7280	**- LEVER, GOVERNOR OPERATING SHAFT**												
5A,B	**5132747**	LEVER	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5132962**	SCREW (GAP ADJUSTING)	1	1	1	1	1		1	1	1	1	1	1
	5145007	SCREW (GAP ADJUSTING)						1						
	5145008	SCREW (GAP ADJUSTING STOP)						1						
5A,B	**114492**	NUT, 1/4"-28 HEX. (12.9120)	1	1	1	1	1		1	1	1	1	1	1
	2.7290	**- FORK, GOVERNOR OPERATING SHAFT**												
5A,B	**5138335**	FORK	1	1	1	1	1	1	1	1	1			1
5A,B	**5185605**	FORK										1	1	
	2.7300	**- PIN, GOVERNOR OPERATING SHAFT LEVER**												
5A,B	**5150943**	PIN	1	1	1	1	1	1	1	1	1	1	1	1
	2.7310	**- LEVER ASSY., GOVERNOR DIFFERENTIAL**												
5A,B	**5150394**	LEVER ASSY. (INCLUDES PIN IN 2.7315)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**142583**	RETAINER, 13/64" SPRING (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150941**	WASHER	1	1	1	1	1	1	1	1	1	1	1	1
	2.7312	**- LINK, GOVERNOR OPERATING LEVER CONNECTING**												
5A,B	**5117210**	LINK	1		1	1	1		1	1	1	1	1	1
	5101236	LINK, THROTTLE YIELD (2.7170)		2										
	5124274 #	LINK ASSY. (2.7170)		1				1						
	5124273	SPRING, THROTTLE YIELD LINK (2.7170)		2				2						
	5102559	PIN, THROTTLE YIELD LINK (2.7170)		1				1						
	455921	PIN, 1/8"X1 1/2" SLOTTED (12.9275)	1					1						
	5124270	HOOK, THROTTLE YIELD LINK (2.7170)		2				2						
5A,B	**142583**	RETAINER, 13/16" SPRING (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 887	920	924	953	1054	1067	1075	1079	1087	1089	1090	1092
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING (CONT'D)												
5A,B	**5150941**	WASHER (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1
		# INCLUDES LINK, SPRING, HOOK AND PIN IN 2.7312.												
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER												
5A,B	**5150894**	PIN (25/32" L.)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING												
		INCLUDES BEARINGS.												
5A,B	**5127373**	LEVER ASSY.	1	1	1	1	1		1	1	1	1	1	1
5A,B	**5132871**	LEVER ASSY.						1						
5A,B	**9437946**	BEARING (2.7440)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5143866**	PIN (.375" DIA.X2" L.)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5127375**	PIN (.309" DIA.X3.12" L.)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5117693**	PIN (5/16"X1" L.)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5122263**	CLIP, GOVERNOR CONTROL SHAFT LOCK	1	1	1	1						1	1	
5A,B	**5143865**	CLIP, GOVERNOR CONTROL SHAFT LOCK					1	1	1	1	1			1
5A,B	**9421917**	SCREW & WASHER, #10-24X7/16" (12.9025)	1	1	1	1	1	1	1	1	1	1	1	1
	5150885	WASHER (2.7430)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.7330 - CARRIER & WEIGHT ASSY., GOVERNOR												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
	5122163	CARRIER & WEIGHT ASSY.	1	1	1							1		
	5122164	CARRIER & WEIGHT ASSY.				1	1		1	1	1			
	5143728	CARRIER & WEIGHT ASSY.						1						
	5132855	CARRIER & WEIGHT ASSY.											1	1
		2.7380 - RISER, GOVERNOR												
5A,B	**5117193**	RISER (1.062" L.)	1	1	1			1				1	1	1
5A,B	**5133817**	* @ RISER (.865" L.)				1	1		1	1	1			
		* 5133817 AND 9424075 MUST BE USED TOGETHER IN 6V, 8V, 12V-71 VARIABLE SPEED GOVERNORS DATED 5-70 TO ASSURE INTERCHANGEABILITY.												
		@ NOT SERVICED. USE 5147910 RISER AND INCLUDE 1-5147913 WEIGHT.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 887	920	924	953	1054	1067	1075	1079	1087	1089	1090	1092
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUST												
5A,B	**9437108**	BEARING	1	1	1			1				1	1	1
5A,B	**9424075**	* BEARING (.551" W.)				1	1		1	1	1			
		* *5133817 AND 9424075 MUST BE USED TOGETHER IN 6V, 8V, 12V-71 VARIABLE SPEED GOVERNORS DATED 5-70 TO ASSURE INTERCHANGEABILITY.*												
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END												
5A,B	**907674**	BEARING (N.D. 3301LR1A)	1	1	1	1	1		1	1	1	1	1	1
5A,B	**907681**	BEARING (N.D. 3303FXR1A)						1						
5A,B	**5150884**	SCREW	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150941**	WASHER, 2V64" (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150897**	LOCKWASHER	1	1	1	1	1	1	1	1	1	1	1	1
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING												
5A,B	**5183268**	CAP	1	1	1	1	1		1	1	1	1	1	1
5A,B	**5140533**	CAP						1						
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP												
5A,B	**5165221**	GASKET	1	1	1	1	1		1	1	1	1	1	1
5A,B	**5134092**	GASKET						1						
		2.7540 - SPRING, GOVERNOR LOW SPEED												
5G	**5122165**	SPRING (1 BLUE STRIPE)	1	1	1			1				1		
5G	**5183704**	SPRING (2 YELLOW STRIPES)											1	1
		2.7550 - SPRING, GOVERNOR HIGH SPEED												
5G	**5136160**	SPRING (2 PINK STRIPES)	1	1	1							1		
5G	**5133691**	SPRING (2 SILVER STRIPES)						1						
5D	**5132859**	SPRING (ALUMINUM STRIPE)											1	1
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING												
5G	**5182555**	PLUNGER (5.32" L.)	1	1	1			1				1		
5D	**5132854**	PLUNGER (4.74" L.)											1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 887	920	924	953	1054	1067	1075	1079	1087	1089	1090	1092
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING												
5D,G	**5150892**	SEAT	1	1	1			1				1	1	1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING												
5D,G	**5102968**	CAP	1	1	1			1				1	1	1
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING												
5D	**5102270**	SCREW, 1/4"-28X1" HEX. SOC. (12.9076)	1	1	1			1				1	1	1
5D	**5101770**	PIN (3.98"L.)											1	1
5G	**5101432**	SCREW (5" L.)	1	1	1			1				1		
5D,G	**114492**	NUT, 1/4"-28 HEX. (12.9120)	1	1	1			1				1	1	1
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
5D	**5132856**	RETAINER (2.60" L.)											1	1
5G	**5182557**	RETAINER (2 3/4" L.)	1	1	1			1				1		
		2.7612 - PISTON, GOVERNOR SPEED ADJUSTING												
5D	**5178857**	PISTON											1	1
5D	**5132857**	SLEEVE											1	1
5D	**5133752**	SEAL RING											1	1
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER												
5G	**5182558**	LOCKNUT	1	1	1			1				1		
		2.7620 - GUIDE, GOVERNOR SPRING												
5D	**5124551**	GUIDE											1	1
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING												
		INCLUDES NUT.												
5D	**5123949**	COVER ASSY.											1	1
	186274	BOLT, 5/16"/18X5" (12.9001)											2	2
	103320	LOCKWASHER, 5/16" (12.9200)											2	2

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 887	920	924	953	1054	1067	1075	1079	1087	1089	1090	1092
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
5G	**5182559**	HOUSING (3 7/32" L.)	1	1	1			1				1		
5D	**5132858**	HOUSING (4.08" L.)											1	1
5G	**100129**	BOLT, 5/16"-18X3 1/2" DRILLED HD. (12.9001)	2	2	2			2				2		
	5155596	WASHER, 5/16" FLAT COPPER (12.9190)	2	2	2			2				2		
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
5G	**5152944**	GASKET	1	1	1			1				1	2	2
		2.7655 - SCREW, GOVERNOR HIGH SPEED CONTROL												
5D	**9414499**	SCREW, 5/16"-24X1 1/2" HEX. SOCKET SET (12.9076)											1	1
5D	**5133008**	SHIM (.010")											AR	AR
5D	**5133009**	SHIM (.100")											AR	AR
	5155596	WASHER, 5/16" FLAT COPPER (12.9190)											1	1
	214279	NUT, 5/16"-24 SELF LOCKING (12.9120)											1	1
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING												
		SEE ASSEMBLY BREAKDOWN PAGE C1.												
	5139262	HOUSING ASSY.				1	1							
	5139662	HOUSING ASSY.							1		1			
	5144009	HOUSING ASSY.								1				
5F	**100129**	BOLT, 5/16"-18X3 1/2" (12.9001)				2	2		2	2	2			
5F	**103320**	LOCKWASHER, 5/16" (12.9200)				2	2		2	2	2			
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING												
5F	**5152944**	GASKET (2.7650)				1	1		1	1	1			
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED												
5F	**5122270**	SPRING				1	1		1	1	1			
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING												
5F	**5117932**	PLUNGER (2.7560)				1	1		1	1	1			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 887	920	924	953	1054	1067	1075	1079	1087	1089	1090	1092
	2.7780	**- GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER**												
5F	**5152939**	GUIDE				1	1		1	1	1			
	2.7790	**- RETAINER, GOVERNOR VARIABLE SPEED SPRING**												
5F	**5137276**	RETAINER				1	1		1	1	1			
	2.7795	**- STOP, GOVERNOR VARIABLE SPEED SPRING**												
5F	**5171784**	STOP (WITH STEP)				1	1		1	1	1			
5F	**5174430**	STOP (WITH GAP)				1	1		1	1	1			
	2.7800	**- SHIM, GOVERNOR VARIABLE SPEED SPRING**												
5F	**5136590**	SHIM (.010")				AR	AR		AR	AR	AR			
5F	**5136591**	SHIM (.078")				AR	AR		AR	AR	AR			
	2.7810	**- SCREW ASSY., GOVERNOR BUFFER**												
5A,B	**5117952**	SCREW ASSY. (WITH SPRING)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5174286**	NUT, 3/8"-24 LOCK (12.9140)	1	1	1	1	1	1	1	1	1	1	1	1
	5152929	SPRING	1	1	1	1	1	1	1	1	1	1	1	1
	2.7892	**- HOUSING ASSY., GOVERNOR CONTROL LINK**												
		INCLUDES ITEMS IN 2.7896 THRU 2.7902.												
	5133694	HOUSING ASSY.						1						
	5124333	COVER (2.7030)						2						
	5123812	GASKET (1.2060)						2						
	5124355	HOSE (1" I.D.X13/16"L.) (2.7030)						2						
	5133805 *	HOSE (1"I.D.X.56"L.) (2.7030) (5118149)						1						
	451206	CLAMP, 1" HOSE (12.9660)						1						
	111612	CLAMP, 1 3/8" HOSE (12.9660)						2						
	454894	BOLT, 1/4"-20X3/4" (12.9001)						4						
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)						6						
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)						1						
	186272	BOLT, 5/16"-18X4" (12.9001)						1						
	186274	BOLT, 5/16"-18X5" (12.9001)						1						
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)						1						
	120392	WASHER, 1/4" FLAT (12.9190)						4						

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 887	920	924	953	1054	1067	1075	1079	1087	1089	1090	1092
		2.7892 - HOUSING ASSY., GOVERNOR CONTROL LINK (CONT'D)												
	5155596	WASHER, 5/16" FLAT COPPER (12.9190)						2						
	103319	LOCKWASHER, 1/4" (12.9200)						4						
	103320	LOCKWASHER, 5/16" (12.9200)						8						
		* NOT SERVICED; USE PART NUMBER IN PARENTHESES AND CUT TO DESIRED LENGTH.												
		2.7894 - GASKET, GOVERNOR CONTROL LINK HOUSING												
	5126499	GASKET (3.4190)						1						
		2.7896 - HOUSING, GOVERNOR CONTROL LINK												
	5133695	HOUSING ASSY. (INCLUDES TUBE AND PIN)						1						
	5133799	TUBE						1						
	5124332	TUBE						2						
	5119314	PIN,						1						
		2.7898 - COVER, GOVERNOR CONTROL LINK HOUSING												
	5133697	COVER						1						
	271468	BOLT & LOCKWASHER, 1/4"-20X3/4" FIL. HD. (12.9010)						6						
		2.7900 - GASKET, GOVERNOR CONTROL LINK HOUSING COVER												
	5133698	GASKET						1						
		2.7902 - LEVER ASSY., GOVERNOR CONTROL LINK HOUSING OPERATING												
		INCLUDES BEARINGS.												
	5132879	LEVER ASSY.						1						
	9437946	BEARING (2.7440)						2						
	5117693	PIN (2.7217)						2						
	148148	RETAINER, 1/4" SPRING (12.9640)						1						
	5108755	STUD, BALL JOINT (2.7317)						1						
	5150885	WASHER (2.7430)						2						
	120423	LOCKWASHER, 1/4" INT. TOOTH						1						

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 887	920	924	953	1054	1067	1075	1079	1087	1089	1090	1092
		2.7902 - LEVER ASSY., GOVERNOR CONTROL LINK HOUSING OPERATING(CONT'D)												
		(12.9210)												
		2.7905 - ROD, GOVERNOR CONNECTING												
	5125518	ROD, BALL JOINT END (2.8940)						1						
	5133693	LINK, BALL JOINT						1						
	114492	NUT, 1/4"-28 HEX. THIN (12.9120)						1						

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1093	1115	1117	1126	1129	1138	1172	1180	1192	1295	1344	1402	1405	1406
	2.7001	**- GOVERNOR ASSY.**														
		INCLUDES ITEMS IN 2.7045 THRU 2.7810 EXCEPT ITEMS IN 2.7165 AND 2.7170.														
	5133790	* GOVERNOR ASSY. (LIMITING SPEED) (8921496)	1													
	5133784	* GOVERNOR ASSY. (LIMITING SPEED) (5102934)								1						
	5143989	* GOVERNOR ASSY. (VARIABLE SPEED) (5102825)					1									
	5144131	* GOVERNOR ASSY. (VARIABLE SPEED) (5102928)		1												
	5133789	* GOVERNOR ASSY. (LIMITING SPD.) (8921497)			1											
	5145030	* GOVERNOR ASSY. (LIMITING SPD.) (5102953)				1										
	5140776	* GOVERNOR ASSY. (LIMITING SPD.) (8921497)						1								
	5145980	* GOVERNOR ASSY. (LIMITING SPD.) (5102954)							1							
	5146664	* GOVERNOR ASSY. (LIMITING SPD.) (8921497)									1					
	5104002	GOVERNOR ASSY. (LIMITING SPEED)												1		
	5102963	= GOVERNOR ASSY. (LIMITING SPEED)													1	
	5144128	* GOVERNOR ASSY. (VARIABLE SPEED) (5102924)										1				
	5102936	* GOVERNOR ASSY. (LIMITING SPEED) (8921497)														1
	3354746	* GOVERNOR ASSY. (VARIABLE SPEED) (5102931)											1			
	5100965	* GOVERNOR ASSY. (LIMITING SPEED) (8921497)									1					
5A,B	**179827**	@ BOLT, 5/16"-18X2 1/4" (12.9001)	7	7	7	7	7	7	7	7	7	7	7			
5A,B	**179827**	# BOLT, 5/16"-18X3 3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5A,B	**186271**	@ BOLT, 5/16"-18X3 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1			
5A,B	**186272**	BOLT, 5/16"-18X4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**272545**	BOLT, 5/16"-18X5 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**446202**	WASHER, 5/16" FLAT COPPER (12.9190)								2		2				
5A,B	**120393**	WASHER, 5/16" (12.9190)	8	8	8	8	8	8	8		8		8		8	8
5A,B	**5155596**	WASHER, 5/16" (4.7120)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**120393**	@ WASHER, 11/32" (12.9190)	1	1	1	1	1	1	1	1	1	1	1			
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		* NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE GOVERNOR SHOWN IN PARENTHESES.														
		@ THRU DEC. 1975														
		# EFF. JANUARY 1976														
		= OBSOLETE.														
	2.7002	**- NAME PLATE, GOVERNOR**														
	5122166	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	145369	SCREW, #0-3/16" DRIVE RD. HD. (12.9067)	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1093	1115	1117	1126	1129	1138	1172	1180	1192	1295	1344	1402	1405	1406
		2.7010 - GASKET, GOVERNOR TO BLOWER														
5A,B	**5126499**	GASKET (3.4190)	1	1	1	1	1	1	1	1	1		1	1	1	1
		2.7030 - SPACER, GOVERNOR TO CYLINDER HEAD														
5A,B	**5124333**	COVER, GOVERNOR FUEL ROD	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5123812**	GASKET (1.2060)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5104527**	HOSE (1"I.D.X13/16"L.)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5104592**	CLAMP, 1" HOSE (12.9600)	2	2	2	2	2	2	2	2	2	2	2	4	4	4
5A,B	**454894**	BOLT, 1/4"-20X3/4" (12.9001)	4	4	4	4	4	4	4	4	4	4	4			
	443603	BOLT, 1/4"-20X3/4" (12.9001)												4	4	4
5A,B	**120392**	WASHER, 1/4" FLAT (12.9190)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	**103319**	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		2.7045 - COVER ASSY., GOVERNOR (COMPLETE)														
		SEE ASSEMBLY BREAKDOWN PAGE A1.														
	5127729	* COVER ASSY. (5102479)	1		1	1			1		1					
	5127730	@ COVER ASSY.								1						
	5140772	* COVER ASSY. (5102548)		1									1			
	5117865	* COVER ASSY. (5102547)					1					1				
	5140771	* COVER ASSY. (5102479)						1								
	5102479	COVER ASSY.												1		1
	5102546	COVER ASSY.													1	
	5101768	RETAINER, GOV. LEVER SPRING		1			1					1				
5A,B	**453007**	BOLT ASSY., 1/4"-20X 1" HEX. HD. (12.9001)		1			1					1				
5A,B	**9417926**	BOLT, 1/4"-20X3/4" FIL. HD. (12.9010)	7	6	7	7	6	7	7	7	7	6	7	8	8	8
5A,B	**5183701**	BOLT, 1/4"-20X5/8" FIL. HD. DRILLED (2.7812)	1	1	1	1	1	1	1	1	1	1	1			
5A,B	**103319**	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR			
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.														
		@ NOT SERVICED, USE 5102544 PLUS 5149316.														
		2.7051 - GASKET, GOVERNOR COVER														
5A,B	**5117899**	GASKET	1	1	1		1	1	1	1	1	1	1	1	1	1
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT														
5A	**5183042**	LEVER (2.9410)	1		1			1	1	1	1	1		1	1	1
5A	**5146369**	SPACER			1				1							
	5151249	SHIM (.078") (2.7600)						1								
5A	**186647**	BOLT, 1/4"-20X1" (12.9001)	1		1			1	1	1	1	1		1	1	1
5A	**103319**	LOCKWASHER, 1/4" (12.9200)	1		1			1	1	1	1	1		1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1093	1115	1117	1126	1129	1138	1172	1180	1192	1295	1344	1402	1405	1406
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT														
	5158432	LEVER (2 1/4" BETWEEN HOLES)	1	1	1		1	1		1	1	1	1			
	5100845	LEVER (2 1/16" BETWEEN HOLES)							1						1	
	5100844	LEVER (2 1/4" BETWEEN HOLES)												1		1
	5161464	PIN (LEVER STOP) (2.9426)							1					1	1	
	5146369	SPACER (.440" THICK) (2.7165)												1		1
	132105	SCREW, #10-32X3/8" (12.9010)							1					1		
	142583	RETAINER, SPRING (12.9460)							1					1	1	
	186647	BOLT, 1/4"-20X1" (12.9001)	1	1	1		1	1		1	1	1	1	1	1	1
	5150941	WASHER, LEVER PIN (2.7310)							1					1	1	
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1		1	1		1	1	1	1	1	1	1
		2.7210 - SPRING, GOVERNOR LEVER RETRACTING														
	5156530	SPRING (2.9405)		1									1			
	5108775	SPRING (2.9405)					1					1				
		2.7220 - BRACKET, GOVERNOR LEVER RETRACTING SPRING														
	5134672	BRACKET		1									1			
		2.7235 - HOUSING, GOVERNOR CONTROL														
		INCLUDES TUBE AND PIN.														
5A,B	5124426	HOUSING	1	1	1		1	1	1	1	1	1	1		1	
	5100740	HOUSING ASSY., INCLUDES TUBE AND PIN												1		
	5101291	HOUSING ASSY. (INCLUDES TUBES, PIN AND EXTERNAL STARTING AID SCREW)				1										1
5A,B	5124332	TUBE (FUEL ROD COVER) (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	5150942	PIN, 3/16"X7/16" DOWEL (COVER ALIGNING) (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	116337	PLUG, 1 1/16" EXPANSION (12.9330)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5101197	STARTING AID SCREW (EXTERNAL)				1								1		1
	5174286	LOCK NUT (EXTERNAL)				1								1		1
		2.7250 - SHAFT ASSY., GOV. OPERATING														
		INCLUDES ITEMS IN 2.7255, 2.7280, 2.7300 PLUS BEARING AND WASHER IN 2.7260.														
	5133795	SHAFT ASSY.	1	1	1		1	1	1	1	1	1	1	1	1	1
	5147174 *	SHAFT ASSY.				1										
		* NOT SERVICED; USE 5133795, (1)														

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1093	1115	1117	1126	1129	1138	1172	1180	1192	1295	1344	1402	1405	1406
		2.7250 - SHAFT ASSY., GOV. OPERATING (CONT'D)														
		5145007 AND (1) 5145008.														
		2.7255 - SHAFT, GOVERNOR OPERATING														
5N	5133680	SHAFT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT (UPPER)														
5A,B	9431896	BEARING	1	1	1	1	1	1		1	1	1	1	1	1	1
5A,B	5133686	SPACER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5B	9421917	SCREW & WASHER, #10-24X7/16" (12.9025)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5B	120391	WASHER, #10 FLAT (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT (LOWER)														
5A,B	954987	BEARING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT														
5A,B	5132747	LEVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5132962	SCREW (GAP ADJUSTING)	1	1	1		1	1	1	1	1	1	1	1	1	1
	5145007	SCREW (GAP ADJUSTING) (INTERNAL STARTING AID SCREW)				1										
	5145008	SCREW (GAP ADJUSTING STOP) (INTERNAL STARTING AID SCREW)				1										
5A,B	114492	NUT, 1/4"-28 HEX. (12.9120)	1	1	1		1	1	1	1	1	1	1	1	1	1
		2.7290 - FORK, GOVERNOR OPERATING SHAFT														
5A,B	5138335	FORK	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER														
5A,B	5150943	PIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7310 - LEVER ASSY., GOVERNOR DIFFERENTIAL														
	5117930	LEVER ASSY. (INCLUDES PIN IN 2.7315)													1	
5A,B	5150394	LEVER ASSY. (INCLUDES PIN IN 2.7315)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	142583	RETAINER, 13/64" SPRING (12.9640)	1	1	1	1	1	1		1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1093	1115	1117	1126	1129	1138	1172	1180	1192	1295	1344	1402	1405	1406
		2.7310 - LEVER ASSY., GOVERNOR DIFFERENTIAL (CONT'D)														
5A,B	**5150941**	WASHER	1	1	1	1	1	1		1	1	1	1	1	1	1
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING														
5A,B	**5117210**	LINK	1				1		1						1	
	5124271	* LINK, THROTTLE YIELD (2.7170)			2					2		2	2			
	5124274	# LINK ASSY. (2.7170)		1	1	1		1		1	1	1	1	1		1
	5102636	LINK, THROTTLE YIELD (2.7170)												1		1
	5124273	SPRING, THROTTLE YIELD LINK (2.7170)		2	2	2		2		2		2	2	2		2
	5102559	LINK AND PIN ASSY. (INCLUDES PIN NOT SOLD SEPARATELY)												1		1
	5124272	PIN, THROTTLE YIELD LINK (2.7170)		1	1	1		1		1		1	1			
	5124270	HOOK, THROTTLE YIELD LINK (2.7170)		2	2	2		2		2		2		2		2
5A,B	**142583**	RETAINER, 13/16" SPRING (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150941**	WASHER (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		# INCLUDES LINK, SPRING, HOOK AND PIN IN 2.7312.														
		* NOT SERVICED, USE 5102559 LINK ASSY. AND 5102636 LINK.														
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER														
	5117929	PIN (1.68" L.)													1	
5A,B	**5150894**	PIN (25/32" L.)	1	1	1	1	1	1	1	1	1	1	1			1
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING														
		INCLUDES BEARINGS.														
	5122150	LEVER ASSY.													1	
5A,B	**5127373**	LEVER ASSY.	1	1	1	1	1	1	1	1	1	1	1	1		1
5A,B	**9437946**	BEARING (2.7440)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5143866**	PIN (.375" DIA. X 2" L.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5122147	PIN (.309" DIA. X 2.42" L.)													1	
5A,B	**5127375**	PIN (.309" DIA. X 3.12" L.)	1	1	1	1	1	1	1	1	1	1	1	1		1
5A,B	**5117693**	PIN (5/16"X1" L.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	274574	RING, RETAINING													2	
5A,B	**5122263**	CLIP, GOVERNOR CONTROL SHAFT LOCK	1				1		1							
5A,B	**5143865**	CLIP, GOVERNOR CONTROL SHAFT LOCK		1	1		1	1	1	1	1	1	1	1	1	1
5A,B	**9421917**	SCREW & WASHER, #10-24X7/16" (12.9025)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5150885	WASHER (2.7430)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1093	1115	1117	1126	1129	1138	1172	1180	1192	1295	1344	1402	1405	1406
		2.7330 - CARRIER & WEIGHT ASSY., GOVERNOR														
		SEE ASSEMBLY BREAKDOWN PAGE B1.														
	5122163	CARRIER & WEIGHT ASSY.	1					1	1	1	1			1	1	
	5122164	CARRIER & WEIGHT ASSY.		1			1					1	1			
	5113906	CARRIER & WEIGHT ASSY.			1											
	5132855	CARRIER & WEIGHT ASSY.				1										
	5174447	CARRIER & WEIGHT ASSY.														1
		2.7380 - RISER, GOVERNOR														
5A,B	**5117193**	RISER (1.062" L.)	1			1		1	1	1	1	1		1	1	
5A,B	**5133817**	* @ RISER (.865" L.)		1	1		1						1			1
5A,B	**5147910**	RISER														
		* 5133817 AND 9424075 MUST BE USED TOGETHER IN 6V, 8V, 12V-71 VARIABLE SPEED GOVERNORS DATED 5-70 TO ASSURE INTERCHANGEABILITY.														
		@ *NOT SERVICED. USE* 5147910 RISER AND INCLUDE 1-5147913 WEIGHT.														
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUST														
5A,B	**9437108**	BEARING	1			1		1	1	1	1	1		1	1	
	9424075	BEARING		1	1		1						1			1
5A,B	**9433982**	* BEARING (.551" W.)														
		* *5133817 AND 9433982 MUST BE* USED TOGETHER IN 6V, 8V, 12V-71 VARIABLE SPEED GOVERNORS DATED 5-70 TO ASSURE INTERCHANGEABILITY.														
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END														
5A,B	**907674**	BEARING (N.D. 3301LR1A)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150884**	SCREW	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150941**	WASHER, 2V64" (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150897**	LOCKWASHER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING														
5A,B	**5183268**	CAP	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP														
5A,B	**5165221**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1093	1115	1117	1126	1129	1138	1172	1180	1192	1295	1344	1402	1405	1406
		2.7540 - SPRING, GOVERNOR LOW SPEED														
5G	5122165	SPRING (1 BLUE STRIPE)	1		1					1	1			1		1
5G	5151604	SPRING (1 GREEN STRIPE)						1	1						1	
5G	5183704	SPRING (2 YELLOW STRIPES)				1										
		2.7550 - SPRING, GOVERNOR HIGH SPEED														
5G	5136160	SPRING (2 PINK STRIPES)	1		1			1		1	1				1	
	5152630	SPRING (1 WHITE STRIPE)												1		
5D	5132859	SPRING (1 ALUMINUM STRIPE)				1										
	5133691	SPRING (2 SILVER STRIPES)														1
5G	5145979	SPRING (RED & WHITE STRIPE)							1							
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING														
	5104731	PLUNGER (5.24" L.)												1		
5G	5182555	PLUNGER (5.32" L.)	1		1			1		1	1				1	1
5D	5132854	PLUNGER (4.74" L.)				1										
5D	5126135	PLUNGER (3.12" L.)							1							
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING														
5D,G	5150892	SEAT	1		1	1		1	1	1	1			1	1	1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING														
5D,G	5102968	CAP	1		1	1		1	1	1	1				1	1
	5102968	CAP												1		
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING														
5D	5102270	SCREW, 1/4"-28X1" HEX. SOC. (12.9076)	1		1	1		1	1	1	1			1	1	1
5D	5101798	PIN (1.80"L.)							1							
5D	5101770	PIN (3.34"L.)				1										
5G	5101432	PIN (3.98"L.)	1		1			1		1	1			1	1	1
5D,G	114492	NUT, 1/4"-28 HEX. (12.9120)	1		1	1		1	1	1	1		1	1	1	1
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING														
5D	5113867	RETAINER (1" L.)							1							
	5102896	RETAINER												1		
	5102904	RETAINER												1		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1093	1115	1117	1126	1129	1138	1172	1180	1192	1295	1344	1402	1405	1406
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING (CONT'D)														
5D	5132856	RETAINER (2.60" L.)				1										
5G	5182557	RETAINER (2 3/4" L.)	1		1			1		1	1				1	1
	5102903	BUSHING												1		
	5102141	WASHER, BELLEVILLE SPRING												1		
	5102970	WASHER												1		
		2.7612 - PISTON, GOVERNOR SPEED ADJUSTING														
5D	5178857	PISTON				1										
5D	5125603	PISTON							1							
5D	5132857	SLEEVE				1										
5D	5133752	SEAL RING				1										
5D	5126623	SEAL RING							1							
5D	5125604	SPACER							1							
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER														
5G	5182558	LOCKNUT	1		1			1		1	1			1	1	1
		2.7620 - GUIDE, GOVERNOR SPRING														
5D	5124551	GUIDE				1			1							
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING														
5D	5123949	COVER				1			1							
	5103074	+ COVER (5106554)												1		
	5103208	+ COVER (5131132)													1	1
	186274	BOLT, 5/16"-18X5" (12.9001)				2										
	186273	BOLT, 5/16"-18X4 1/4" (12.9001)												1		
	187953	BOLT, 5/16"-18X4 1/2" (12.9001)													2	2
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)												1		
	103320	LOCKWASHER, 5/16" (12.9200)				2										
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.														
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW														
	5100606	HOUSING												1		
5G	5113868	HOUSING (2.44"L.)							1							
5G	5182559	HOUSING (3 7/32" L.)	1		1			1		1	1				1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1093	1115	1117	1126	1129	1138	1172	1180	1192	1295	1344	1402	1405	1406
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW (CONT'D)														
5D	5132858	HOUSING (4.08" L.)				1										
	5100605	* COVER ADJUSTING SCREW (TAMPER PROOF)												1		
	5127189	RING, BLOCKING							1							
	5100603	* PLUG, SPECIAL (2.7001)												1		
	274386	BOLT, 5/16"-18X3 1/4" (12.9001)							2							
5G	100129	BOLT, 5/16"-18X3 1/2" DRILLED HD. (12.9001)	2		2			2		2	2					
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)														2
	426444	BOLT, 5/16"-18X3 1/2" (12.9001)												1		
	186650	BOLT, 5/16- 18X4 3/4" (12.9001)												1		
	5100604	* PIN, TAPERED (2.7001)												2		
	5155596	WASHER, 5/16" FLAT COPPER (12.9190)	2		2			2		2	2			3	2	2
	103320	LOCKWASHER, 5/16" (12.9200)							2							
		* THESE PARTS ARE NOT FURNISHED AS PART OF THE GOVERNOR ASSY. THEY MUST BE PURCHASED THRU DDA SERVICE.														
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER														
5G	5152944	GASKET	1		1	1		1	2	1	1			2	1	2
		2.7655 - SCREW, GOVERNOR HIGH SPEED CONTROL														
5D	9414499	SCREW, 5/16"-24X1 1/2" HEX. SOCKET SET (12.9076)				1										
5D	5133008	SHIM (.010")				AR										
5D	5123922	SHIM (.010") (2.7600)							10							
5D	5133009	SHIM (.100")				AR										
5D	5123923	SHIM (.100") (2.7600)							4							
5D	5124313	BOLT, 5/16"-24X1 7/8"							1							
	5155596	WASHER, 5/16" FLAT COPPER (12.9190)				1										
	214279	NUT, 5/16"-24 SELF LOCKING (12.9120)				1										
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING														
		SEE ASSEMBLY BREAKDOWN PAGE C1.														
	5139262	HOUSING ASSY.		1			1					1				
5F	445520	BOLT, 5/16"-18X3 1/2" (12.9001)		2			2					2	2			
5F	103320	LOCKWASHER, 5/16" (12.9200)		2			2					2	2			
		2.7690 - HOUSING, GOVERNOR VARIABLE SPEED SPRING														
	5103911	* HOUSING AND PISTON ASSY.												1	1	1
	5103069	HOUSING												1	1	1
	5103044	SCREW SET, 1/4"-28X1 1/2" HEX. SET.												1	1	1
	5194495	NUT, 1/4"-28 ELASTIC STOP (2.8410)												1	1	1
		* NOT PART OF GOVERNOR ASSY.														

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1093	1115	1117	1126	1129	1138	1172	1180	1192	1295	1344	1402	1405	1406
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING														
5F	**5152944**	GASKET (2.7650)		1			1					1	1		1	
		2.7736 - PISTON, GOVERNOR SPEED CONTROL														
	5103067	PISTON												1	1	1
		2.7737 - SEAL, GOVERNOR SPEED CONTROL PISTON														
	5103046	SEAL RING, .103 X .672 I.D.												1	1	1
	5103550	SEAL RING, 1.139 X 1.106 I.D.												1	1	1
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED														
5F	**5122270**	SPRING		1			1					1	1			
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING														
5F	**5117932**	PLUNGER (2.7560)		1			1					1	1			
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER														
5F	**5152939**	GUIDE		1			1					1	1			
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING														
5F	**5137276**	RETAINER		1			1					1	1			
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING														
5F	**5171784**	STOP (WITH STEP)		1			1					1	1			
5F	**5174430**	STOP (WITH GAP)		1			1					1	1			
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING														
5F	**5136590**	SHIM (.010")		AR			AR					AR	AR			
5F	**5136591**	SHIM (.078")		AR			AR					AR	AR			
		2.7810 - SCREW ASSY., GOVERNOR BUFFER														
5A,B	**5117952**	SCREW ASSY. (WITH SPRING)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5174286**	NUT, 3/8"-24 LOCK (12.9140)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5152929	SPRING	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1093	1115	1117	1126	1129	1138	1172	1180	1192	1295	1344	1402	1405	1406
	2.7892	**HOUSING ASSY., GOVERNOR CONTROL LINK**														
		INCLUDES ITEMS IN 2.7896 THRU 2.7902.														
	5124333	COVER (2.7030)											2			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1093	1115	1117	1126	1129	1138	1172	1180	1192	1295	1344	1402	1405	1406
	2.7892	**- HOUSING ASSY., GOVERNOR CONTROL LINK(CONT'D)**														
	5123812	GASKET (1.2060)											2			
	5124355	HOSE (1" I.D.X13/16"L.) (2.7030)											2			
	5104358	CLAMP, 1" HOSE (12.9660)											2			
	454894	BOLT, 1/4"-20X3/4" (12.9001)											4			
	120392	WASHER, 1/4" FLAT (12.9190)											4			
	103319	LOCKWASHER, 1/4" (12.9200)											4			
	2.7894	**- GASKET, GOVERNOR CONTROL LINK HOUSING**														
	5126499	GASKET (3.4190)											1			
	2.7945	**- SEAL, GOVERNOR**														
	5101140	SEAL												1		

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1407	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422
		2.7001 - GOVERNOR ASSY.														
		INCLUDES ITEMS IN 2.7045 THRU 2.7810 EXCEPT ITEMS IN 2.7165 AND 2.7170.														
	5102936	+ GOVERNOR ASSY. (LIMITING SPEED) (8921497)	1													
	5102828	+ GOVERNOR ASSY. (LIMITING SPEED) (8921496)		1					1	1	1	1	1	1	1	1
	5102932	GOVERNOR ASSY. (LIMITING SPEED)			1											
	5102953	GOVERNOR ASSY. (LIMITING SPEED)				1										
	5102954	GOVERNOR ASSY. (LIMITING SPEED)					1									
	5102837	GOVERNOR ASSY. (LIMITING SPEED)						1								
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	186272	BOLT, 5/16"-18X4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5155596	WASHER, 5/16" (12.9190)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	120393	WASHER, 5/16" (12.9190)	8		16	8	8	8	8	8	8	8	8	8	8	8
	103320	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.														
		2.7002 - NAME PLATE, GOVERNOR														
	5122166	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	145369	SCREW #0-3/16" DRIVE RD. HD.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		2.7010 - GASKET, GOVERNOR TO BLOWER														
5A,B	5126499	GASKET (3.4190)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7030 - SPACER, GOVERNOR TO CYLINDER HEAD														
5A,B	5124333	COVER, GOVERNOR FUEL ROD	2	2	4	2	2	2	2	2	2	2	2	2	2	2
5A,B	5123812	GASKET (1.2060)	2	2	4	2	2	2	2	2	2	2	4	4	4	4
5A,B	5104527	HOSE (1" I.D.X1" L.)	2	2	8	2	2	2	2	2	2	2	2	2	2	2
5A,B	5104592	CLAMP, 1" HOSE (12.9600)	4	4	16	4	4	4	4	4	4	4	4	4	4	4
5A,B	5104089	BOLT, 1/4"-20X1/2" (12.9001)						4					4	4	4	4
5A,B	443603	BOLT, 1/4"-20X3/4" (12.9001)	4	4	8	4	4		4	4	4	4				
5A,B	120392	WASHER, 1/4" FLAT (12.9200)	4	4	8	4	4	4	4	4	4	4	4	4	4	4
5A,B	103319	LOCKWASHER, 1/4" (12.9200)	4	4	8	4	4	8	4	4	4	4	8	8	8	8
		2.7045 - COVER ASSY., GOVERNOR (COMPLETE)														
		SEE ASSEMBLY BREAKDOWN PAGE A1														
	5102546	COVER ASSY.	1													
	5102479	COVER ASSY.		1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	9417926	BOLT, 1/4"-20X3/4"	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		2.7051 - GASKET, GOVERNOR COVER														
5A,B	5117899	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14071	14101	14111	14121	14131	14141	14151	14161	14171	14181	14191	14201	14211	14221
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT														
	5183042	LEVER (2.9410)	1	1												
	5102708	LEVER			1		1		1	1	1	1	1		1	1
	5161464	PIN, SWIVEL (2.9426)		1												
	132105	SCREW # 10-32X3/8" (12.9010)		1												
	186647	BOLT, 1/4"-20X1" (12.9001)	1	1	1		1		1	1	1	1	1		1	1
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1		1		1	1	1	1	1		1	1
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT														
	5100845	LEVER (2 1/16" BETWEEN HOLES)	1				1									1
	5100844	LEVER (2.06" BETWEEN HOLES)		1					1	1		1		1		
5A	5151519	LEVER (2 1/4" BETWEEN HOLES)			1											
	5164318	LEVER (2.9340)									1	1	1		1	
	5146369	SPACER (2.7165)	1	1	1		1		1	1	1	1	1		1	1
	5161464	PIN (LEVER STOP) (2.9426)					1									
	132105	SCREW, #10-32X3/8" (12.9010)					1									
	142583	RETAINER, SPRING (12.9460)					1									
	186647	BOLT, 1/4"-20X1" (12.9001)	1	1	1		1		1	1	1	1	1	1	1	1
	5150941	WASHER, LEVER PIN (2.7310)					1									
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1		1		1	1	1	1	1	1	1	1
		2.7235 - HOUSING, GOVERNOR CONTROL														
	5101291	HOUSING ASSY. (INCLUDES TUBES, PIN AND EXTERNAL STARTING AID SCREW)	1			1	1									
5A,B	5124426	HOUSING ASSY. (INCLUDES TUBE, PIN)		1				1	1	1	1	1	1	1	1	1
	5101292	HOUSING ASSY. (INCLUDES TUBES, PIN AND EXTERNAL STARTING AID SCREW)			1											
5A,B	5124332	TUBE (FUEL ROD COVER) (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	5133798	TUBE (ROD CONNECTOR COVER)			1											
5A,B	5150942	PIN 3/16"X7/16" DOWEL (COVER ALIGNING) (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	116337	PLUG, 1 1/16" EXPANSION (12.9330)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5101197	STARTING AID SCREW	1		1	1	1									
	5174286	LOCKNUT, 3/8"-24 LOCK (12.9140)	1		1	1	1									
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING														
		INCLUDES ITEMS IN 2.7255, 2.7280, 2.7300 PLUS BEARING AND WASHER IN 2.7260.														
	5133795	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7255 - SHAFT, GOVERNOR OPERATING														
	5133680	SHAFT	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14071	14101	14112	14113	14114	14115	14116	14117	14118	14119	14201	14221	14222
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT UPPER													
	9431896	BEARING	1	1	1	1	1	1	1	1	1	1	1	1	1
	5133686	SPACER	1	1	1	1	1	1	1	1	1	1	1	1	1
	9421917	SCREW & WASHER, #10-24X7/16"	1	1	1	1	1	1	1	1	1	1	1	1	1
	120391	WASHER #10 FLAT (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT LOWER													
	954987	BEARING	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT													
	5132747	LEVER	1	1	1	1	1	1	1	1	1	1	1	1	1
	5132962	SCREW (GAP ADJUSTING)	1	1	1	1	1	1	1	1	1	1	1	1	1
	114492	NUT, 1/4"-28 HEX. (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7290 - FORK, GOVERNOR OPERATING SHAFT													
5A,B	5138335	FORK	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER													
5A,B	5150943	PIN	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7310 - LEVER ASSY., GOVERNOR DIFFERENTIAL													
5A,B	5150394	LEVER ASSY. (INCLUDES PIN IN 2.7315)	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	142583	RETAINER 13/64" SPRING (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1	1
	5150941	WASHER	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING													
	5124274 *	LINK ASSY. (2.7170)	1		1	1	1								
	5117210	LINK		1				1	1	1	1	1	1	1	1
	5102636	LINK, THROTTLE YIELD (2.7170)	1		1	1	1								
	5102559	LINK AND PIN ASSY. (PIN NOT SOLD SEPARATELY)	1		1	1	1								
	5124273	SPRING, THROTTLE YIELD LINK	2		2	2	2								
	5124270	HOOK, THROTTLE YIELD LINK (2.7170)	2		2	2	2								
	142583	RETAINER 13/64" SPRING (12.9460)	1	1	1	1	1	1	1	1	1	1	1	1	1
	5150941	WASHER (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1407	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING (CONT'D)														
		* INCLUDES SPRING AND HOOK IN 2.7312														
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER														
	5150894	PIN (25/32" L.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING														
		INCLUDES BEARINGS														
	5132871	LEVER ASSY.			1											
5A,B	**5127373**	LEVER ASSY.	1	1		1	1	1	1	1	1	1	1	1	1	1
5A,B	**9437946**	BEARING (2.7440)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	5143866	PIN (.375" DIA.X2" L.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5127375	PIN (.309" DIA.X3.12" L.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5117693	PIN (5/16"X1" L.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5143865	CLIP, GOVERNOR CONTROL SHAFT LOCK	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	9421917	SCREW & WASHER, #10-24X7/16" (12.9025)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5150885	WASHER (2.7430)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		2.7330 - CARRIER & WEIGHT ASSY., GOVERNOR														
		SEE ASSEMBLY BREAKDOWN PAGE B1														
	5174447	CARRIER & WEIGHT ASSY.	1	1					1	1	1	1	1	1	1	1
	5143728	CARRIER & WEIGHT ASSY.			1											
	5132855	CARRIER & WEIGHT				1		1								
	5122163	CARRIER & WEIGHT ASSY.					1									
		2.7380 - RISER, GOVERNOR														
5A,B	**5147910**	RISER	1	1					1	1	1	1	1	1	1	1
5A,B	**5117193**	RISER			1	1	1	1								
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUST														
5A,B	**9424075**	BEARING	1	1					1	1	1	1	1	1	1	1
5A,B	**9437108**	BEARING			1	1	1	1								

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14071	14101	14111	14121	14131	14141	14151	14161	14171	14181	14191	14201	14211	14221
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END														
	907674	BEARING (N.D. 330/LR/A)	1	1		1	1	1	1	1	1	1	1	1	1	1
	907681	BEARING (N.D. 3303FXR/A)			1											
	5150884	SCREW	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5150941	WASHER, 21/64" (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5150897	LOCKWASHER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING														
	5183268	CAP	1	1		1	1	1	1	1	1	1	1	1	1	1
	5140533	CAP			1											
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP														
5A,B	5165221	GASKET	1	1		1	1	1	1	1	1	1	1	1	1	1
	5134092	GASKET			1											
		2.7540 - SPRING, GOVERNOR LOW SPEED														
	5122165	SPRING (1 BLUE STRIPE)	1		1		1									
	5151682	SPRING (1 RED STRIPE)		1					1	1	1	1	1	1	1	1
	5183704	SPRING (2 YELLOW STRIPES)				1		1								
		2.7550 - SPRING, GOVERNOR HIGH SPEED														
	5133691	SPRING (2 SILVER STRIPES)	1	1	1				1	1	1	1	1	1	1	1
	5132859	SPRING (ALUMINUM STRIPE)				1		1								
	5145979	SPRING (RED & WHITE STRIPE)					1									
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING														
	5132854	PLUNGER (4.74" L.)				1		1								
	5182555	PLUNGER (5.32" L.)	1	1	1				1	1	1	1	1	1	1	1
	5126135	PLUNGER (3.12" L.)					1									
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING														
	5150892	SEAT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING														
	5117931	CAP	1	1		1	1	1	1	1	1	1	1	1	1	1
	5102968	CAP			1											

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1407	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING														
5D	5102270	*SCREW, 1/4"-28X1" HEX SOC. (12.9076)*	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5D	5101432	PIN (3.98" L.)	1	1	1				1	1	1	1	1	1	1	1
5D	5101770	PIN (3.98" L.)				1		1								
	5101798	PIN (1.80" L.)					1									
5D	114492	NUT, 1/4"-28 HEX. (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING														
	5132856	RETAINER (2. 39/64" L.)				1		1								
	5182557	RETAINER (2 3/4" L.)	1	1	1				1	1	1	1	1	1	1	1
	5113867	RETAINER (1" L.)					1									
		2.7612 - PISTON, GOVERNOR SPEED ADJUSTING														
5D	5178857	PISTON				1		1								
5D	5125603	PISTON					1									
	5132857	SLEEVE				1		1								
	5125604	SLEEVE					1									
	5133752	SEAL RING				1		1								
	5126623	SEAL RING (1.2020)					1									
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER														
	5182558	LOCKNUT	1	1	1				1	1	1	1	1	1	1	1
		2.7620 - GUIDE, GOVERNOR HIGH SPEED SPRING														
	5124551	GUIDE				1	1	1								
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING														
	5123949	COVER (INCLUDES NUT)				1	1	1								
	5103208	+ COVER	1	1					1	1	1	1	1	1	1	1
	187593	BOLT, 5/16"-18X4 1/2" (12.9001)	2	2					2	2	2	2	2	2	2	2
		+ NOT SERVICED, USE 5131132.														
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW														
5C,D	5182559	*HOUSING (3 7/32" L.)*	1	1	1				1	1	1	1	1	1	1	1
	5113868	HOUSING (2.44" L.)					1									
	5132858	HOUSING (4.08" L.)				1		1								

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1407	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW (CONT'D)														
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)					2									
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	2	2	2				2	2	2	2	2	2	2	2
	186274	BOLT, 5/16"-18X5" (12.9001)				2		2								
	5155596	WASHER, 5/16" FLAT COPPER	2	2	2				2	2	2	2	2	2	2	2
	103320	LOCKWASHER, 5/16"				2	2	2								
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING C OVER														
	5152944	GASKET	2	2	1	2	1	2	2	2	2	2	2	2	2	2
		2.7655 - SCREW, GOVERNOR HIGH SPEED CONTROL														
	9414499	SCREW, 5/16"-24X1 1/2"HEX.SOCKET SET (12.9076)				1		1								
	5133008	SHIM (.010")				10		1								
	5133009	SHIM (.100")				6		6								
	5155596	WASHER, 5/16" FLAT COPPER (12.9190)				1		10								
	214279	NUT, 5/16"-24 SELF LOCKING(12.9120)				1		1								
		2.7690 - HOUSING, GOVERNOR VARIABLE SPEED SPRING														
	5103911	* HOUSING AND PISTON ASSY.	1	1												
	5103069	HOUSING	1	1												
	5103044	SCREW SET, 1/4"-28X1 1/2" HEX. SKIRT	1	1												
	5194495	NUT, 1/4"-28 ELASTIC STOP (2.8410)	1	1												
		* NOT PART OF GOVERNOR ASSY.														
		2.7736 - PISTON, GOVERNOR SPEED CONTROL														
	5103067	PISTON	1	1												
		2.7737 - SEAL, GOVERNOR SPEED CONTROL PISTON														
	5103046	SEAL RING (.103"X.672" I.D.)	1	1												
	5103550	SEAL RING (1.139"X1.106" I.D.)	1	1												
		2.7810 - SCREW ASSY., GOVERNOR														
	5117952	SCREW ASSY. (W/SPRING)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5174286	NUT, 3/8"-24 LOCK (12.9140)	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1407	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422
	2.7892	**- HOUSING ASSY., GOVERNOR CONTROL LINK**														
		INCLUDES ITEMS IN 2.7896 THRU 2.7902														
	5133694	HOUSING ASSY.			1											
	5118149	HOSE (1" I.D.X.56" L.)			1											
	451206	CLAMP 1" HOSE (12.9660)			1											
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)			6											
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)			1											
	186272	BOLT, 5/16"-18X4" (12.9001)			1											
	186274	BOLT, 5/16"-18X5" (12.9001)			1											
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)			1											
	5155596	WASHER, 5/16" FLAT COPPER (12.9190)			2											
	103320	LOCKWASHER, 5/16" (12.9200)			8											
	2.7894	**- GASKET, GOVERNOR CONTROL LINK HOUSING**														
	5126499	GASKET			1											
	2.7896	**- HOUSING, GOVERNOR CONTROL LINK**														
	5133695	HOUSING ASSY. (INCLUDES TUBE AND PIN)			1											
	5133799	TUBE			1											
	5124332	TUBE (2.7235)			1											
	5119314	PIN (.375"X1.68") (2.7230)			1											
	2.7898	**- COVER, GOVERNOR CONTROL LINK HOUSING**														
	5133697	COVER			1											
	9417926	SCREW & LOCKWASHER, 1/4"-20 X 3/4" FIL. HD. (12.9010)			6											
	2.7900	**- GASKET, GOVERNOR CONTROL LINK HOUSING COVER**														
	5133698	GASKET			1											
	2.7902	**- LEVER ASSY., GOVERNOR CONTROL LINK HOUSING OPERATING**														
	5132879	LEVER ASSY. (INCLUDES BEARINGS)			1											
	9437946	BEARING (2.7440)			1											
	5117693	PIN (2.7217)			1											
	5150885	WASHER			1											

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1407	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422
		2.7902 - LEVER ASSY., GOVERNOR CONTROL LINK HOUSING OPERATING(CONT'D)														
	148148	RETAINER, 1/4" SPRING (12.9640)			1											
	5108755	STUD, BALL JOINT (2.7317)			1											
	120423	LOCKWASHER, 1/4" INT. TOOTH (12.9210)			1											
		2.7905 - ROD, GOVERNOR CONNECTING														
	5125518	ROD, BALL JOINT END (2.8940)			1											
	5133693	LINK, BALL JOINT			1											
	114492	NUT, 1/4"-28 HEX. THIN (12.9120)			1											

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1423	1424	1426	1429	1430	1431	1434	1435	1436	1437	1438	1439	1440	1443
		2.7001 - GOVERNOR ASSY.														
		* FOR TYPE 1425 USE TYPE 1631.* INCLUDES ITEMS IN 2.7045 THRU 2.7810 EXCEPT ITEMS IN 2.7165 AND 2.7170.														
	5102828	+ GOVERNOR ASSY. (LIMITING SPEED) (8921496)	1													
	5102936	+ GOVERNOR ASSY. (LIMITING SPEED) (8921497)		1	1											
	5102938	+ GOVERNOR ASSY. (LIMITING SPEED) (8921498)				1	1	1								
	5102825	GOVERNOR ASSY. (VARIABLE SPEED)							1							
	5102923	GOVERNOR ASSY. (VARIABLE SPEED)								1	1					
	5102924	GOVERNOR ASSY. (VARIABLE SPEED)										1				
	5102925	GOVERNOR ASSY. (VARIABLE SPEED)											1			
	5102926	GOVERNOR ASSY. (VARIABLE SPEED)												1		
	5102928	GOVERNOR ASSY. (VARIABLE SPEED)													1	
	5102931	GOVERNOR ASSY. (VARIABLE SPEED)														1
		+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.														
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	186272	BOLT, 5/16"-18X4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5155596	WASHER, 5/16" (4.7120)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	120393	WASHER, 5/16" (12.9190)	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	103320	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		2.7002 - NAME PLATE, GOVERNOR														
	5122166	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	145369	BOLT, #4X3/6" DRIVE (12.9067)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		2.7010 - GASKET, GOVERNOR TO BLOWER														
	5126499	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7030 - SPACER, GOVERNOR TO CYLINDER HEAD														
5A,B	5124333	COVER, GOVERNOR FUEL ROD	2	2	2	2	2	2	2	2	2	2	2	4	2	2
5A,B	5123812	GASKET (1.2060)	2	2	2	2	2	4	2	2	2	2	2	4	2	2
5A,B	5104527	HOSE (1" I.D. X13/16"L)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	5104592	CLAMP (1 1/2" I.D. (12.9660)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	5104089	BOLT, 1/4"-20X1/2" (12.9001)						8								
5A,B	443603	BOLT, 1/4"-20X3/4" (12.9001)	4	4	4	4	4		4	4	4	4	4	4	4	
5A,B	5104152	BOLT, 1/4"-20 X 3/4" (12.9001)														4
5A,B	120392	WASHER, 1/4" FLAT (12.9190)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	8	4	4	4	4	4	4	4	4
		2.7045 - COVER ASSY., GOVERNOR (COMPLETE)														
		SEE ASSEMBLY BREAKDOWN PAGE A1														
	5102479	COVER ASSY.	1	1	1											
	5102661	COVER ASSY.				1	1	1								
	5102547	COVER ASSY.							1	1	1	1	1	1		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14232	14244	14264	14299	14301	14311	14334	14335	14336	14337	14338	14339	14340	14343
		2.7045 - COVER ASSY., GOVERNOR (COMPLETE) (CONT'D)														
	5102548	COVER ASSY.													1	1
	5101768	RETAINER, GOV. LEVER SPRING							1	1	1	1	1	1	1	1
	9417926	BOLT ASSY..1/4"-20X3/4" (W/LW)	8	8	8	8	8	8	7	7	7	7	7	7	7	7
	453007	BOLT ASSY.,1/4X20X1"HEX.(12.9001)							1	1	1	1	1	1	1	1
		2.7051 - GASKET, GOVERNOR COVER														
	5117899	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT														
	5102708	LEVER	1	1	1	1	1	1								
	5102862	LEVER							1	1	1	1	1	1		
	5102861	LEVER													1	1
	5146369	SPACER (.440" THICK)				1	1	1								
	186687	BOLT, 1/4"-20X1" (12.9001)	1	1	1				1	1	1	1	1	1	1	1
	179796	BOLT, 1/4"-20X7/8" (12.9001)				1	1	1								
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT														
	5100884	LEVER (2.25" BETWEEN HOLES)	1		1											
	5151519	LEVER		1												
	5150130	PLUG				1	1	1								
	5146369	SPACER (.440" THICK) (2.7165)	1	1	1											
	100002	BOLT, 1/4"-28X1"(12.9001)				1	1	1								
	186647	BOLT, 1/4"-20X1" (12.9001)	1	1	1											
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1								
	120613	NUT, 1/4-28 HEX (12.9120)				1	1	1								
		2.7210 - SPRING, GOVERNOR LEVER RETRACTING														
	5108775	SPRING (2.9405)							1	1		1	1	1		
	5119679	SPRING				1	1	1								
	5173105	SPRING									1					
	5156530	SPRING													1	1
		2.7220 - BRACKET, GOVERNOR LEVER RETRACTING S PRING														
	5125885	BRACKET				1		1								
	5173106	BRACKET									1					
	5134672	BRACKET, CLIP													1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1423	1424	1426	1429	1430	1431	1434	1435	1436	1437	1438	1439	1440	1443
		2.7235 - HOUSING, GOVERNOR CONTROL														
5A,B	5124426	HOUSING ASSY.,INCLUDES TUBE AND PIN	1			1	1	1	1	1	1	1	1		1	1
5A,B	5101291	HOUSING ASSY.,INCLUDES TUBE, PIN AND EXTERNAL STARTING AID SCREW		1	1											
	5133797	HOUSING ASSY.,INCLUDES TUBE,PIN												1		
5A,B	116337	PLUG, 1/16" EXPANSION (12.9330)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5124332	TUBE (FUEL ROD COVER (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	5133798	TUBE (FUEL ROD COVER												1		
	5150942	PIN, 3/16"X7/16" DOWEL CVR.ALIGNING	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	5101197	SCREW, STARTING AID (3/8"-24X1.56")		1	1											
	5174286	LOCKNUT, 3/8"-24 HEX.LOCK (12.9140)		1	1											
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING														
		INCLUDES ITEMS IN 2.7255, 2.7280, 2.7300 PLUS BEARING AND WASHER IN 2.7260														
	5133795	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7255 - SHAFT, GOVERNOR OPERATING														
5A,B	5133680	SHAFT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT UPPER														
5A,B	9431896	BEARING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5133686	SPACER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5B	9421917	SCREW ASSY.,#10-24X7/16"(W/LW) (12.9025)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5B	120391	WASHER, # 10 FLAT (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT LOWER														
5A,B	954987	BEARING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT														
5A,B	5132747	LEVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5132962	SCREW (GAP ADJUSTING)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	114492	NUT, 1/4"-28 HEX (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14231	14242	14262	14292	14301	14331	14343	14353	14363	14373	14383	14393	14403	14433
		2.7290 - FORK, GOVERNOR OPERATING SHAFT														
5A,B	**5138335**	FORK	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7300 - PIN, GOVERNOR OPERATING														
5A,B	**5150943**	PIN, SPL. 5/16"X 15/16"	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7310 - LEVER ASSY., GOVERNOR DIFFERENTIAL														
	5150394	LEVER ASSY.(INCLUDES PIN IN 2.7315)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5150941	WASHER, 21/64" (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	142583	RETAINER, 13/64" SPRING (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5108755	STUD, BALL JOINT												1		
	120423	LOCKWASHER, 1/4"												1		
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING														
	5124274	* LINK ASSY.(2.7170)		1	1							1		1	1	1
5A,B	**5102636**	LINK		1	1							1		1	1	1
	5102559	LINK AND PIN ASSY(PIN NOT SOLD SEPAR		1	1							1		1	1	1
5A,B	**5117210**	LINK	1			1	1	1	1	1	1		1			
	5124273	SPRING, THROTTLE YIELD LINK (2.7170)		2	2							2		2	2	2
	5124270	HOOK, THROTTLE YIELD LINK (2.7170)		2	2							2		2	2	2
	142583	RETAINER, 13/64" SPRING (12.9460)		1	1	1	1	1	1	1	1	1	1	1	1	1
	5150941	WASHER, 21/64"		1	1	1	1	1	1	1	1	1	1	1	1	1
		* INCLUDES SPRING AND HOOK IN 2.7312														
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER														
	5150894	PIN, 25/32" L.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING														
5A,B	**5127373**	LEVER ASSY.(INCLUDES BEARING)	1	1	1	1	1	1	1	1	1	1	1		1	1
	5132871	LEVER ASSY.												1		
5A,B	**9437946**	BEARING, NEEDLE (2.7440)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5127375**	PIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5117693**	PIN, 5/16" X1" L.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5143866**	PIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5143865**	CLIP, CONTROL SHAFT LOCK	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	9421917	SCREW & WASHER, #10-24X7/16"	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150885**	WASHER, 3/8" FLAT (2.7430)	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14231	14244	14266	14299	14330	14331	14334	14335	14336	14337	14338	14339	14340	14343
		2.7330 - CARRIER & WEIGHT ASSY., GOVERNOR														
		SEE ASSEMBLY BREAKDOWN PAGE B1														
	5174447	CARRIER & WEIGHT ASSY.	1	1	1	1	1	1								
	5122164	CARRIER & WEIGHT ASSY.							1	1	1	1	1		1	1
	5133702	CARRIER & WEIGHT ASSY.												1		
		2.7380 - RISER, GOVERNOR														
5A,B	**5147910**	RISER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUS T														
5A,B	**9424075**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END														
	907674	BEARING (N.D. 3301L1214A)	1	1	1	1	1	1	1	1	1	1	1		1	1
	907681	BEARING (N.D. 3303FXR1A)												1		
5A,B	**5150884**	SCREW, RETAINING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5150941**	WASHER, 21/64" (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5150897	LOCKWASHER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING														
5A,B	**5183268**	CAP	1	1	1	1	1	1	1	1	1	1	1		1	1
5A,B	**5140533**	CAP												1		
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP														
	5165221	GASKET	1	1	1	1	1	1	1	1	1	1	1		1	1
	5134092	GASKET												1		
		2.7540 - SPRING, GOVERNOR LOW SPEED														
5A	**5151682**	SPRING (1 RED STRIP)	1			1	1	1								
	5122165	SPRING (BLUE STRIP)		1	1											
		2.7550 - SPRING, GOVERNOR HIGH SPEED														
5A	**5133691**	SPRING (2 SILVER STRIPS)	1	1	1	1	1	1								

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14231	14244	14266	14299	14330	14311	14344	14355	14366	14377	14388	14399	14404	14433
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING														
	5182555	PLUNGER (5.32"L.)	1	1	1	1	1	1								
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING														
5C,D,H	5150892	SEAT	1	1	1	1	1	1								
		2.7580 - CAP, GOVERNOR, LOW SPEED SPRING														
5C,D,H	5117931	CAP	1	1	1	1	1	1								
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING														
	5101432	PIN (3.98" L.)	1	1	1	1	1	1								
	5102270	SCREW, 1/4"-28X1"	1	1	1	1	1	1								
	114492	NUT, 1/4"-28 HEX. (12.9120)	1	1	1	1	1	1								
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING														
5H	5182557	RETAINER (2" L.)	1	1	1	1	1	1								
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER														
5H,J	5182558	LOCKNUT	1	1	1	1	1	1								
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW														
5H	5182559	HOUSING (3 7/32" L.)	1	1	1	1	1	1								
5H	186270	BOLT, 5/16"-18X3 1/2"(12.9001)	2	2	2	2	2	2								
5H	5155596	WASHER, 21/64"X9/16" COPPER(12.9001)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER														
5G	5152944	GASKET (2.7650)	1	1	1	1	1	1								
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING														
		SEE ASSEMBLY BREAKDOWN PAGE C1														
	5139262	HOUSING ASSY.							1	1	1	1		1	1	
	5144009	HOUSING ASSY.											1			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14231	14244	14269	14309	14331	14334	14335	14336	14337	14338	14339	14340	14343
	2.7680 -	***HOUSING ASSY., GOVERNOR VARIABLE SPE ED SPRING(CONT'D)***													
	5144097	*HOUSING ASSY.*													1
	186270	BOLT, 5/16"-18X3 1/2" HEX.(12.9001)						2	2	2	2	2			
	103320	LOCKWASHER, 5/16" (12.9001)						2	2	2	2	2			
	2.7700 -	**GASKET, GOVERNOR VARIABLE SPEED *SPRI NG HOUSING***													
5G	**5152944**	GASKET (2.7650)						1	1	1	1	1	1	1	1
	2.7760 -	**SPRING, GOVERNOR VARIABLE SPRING**													
5F	**5122270**	SPRING						1	1	1	1	1		1	1
5F	**5133712**	SPRING											1		
	2.7770 -	**PLUNGER, GOVERNOR VARIABLE ED SPRING**													
5E	**5117932**	PLUNGER (2.7560)						1	1	1	1	1		1	1
	5152939	PLUNGER											1		
	2.7780 -	**GUIDE, GOVERNOR VARIABLE SPEED PRING PLUNGER**													
5F	**5152939**	GUIDE						1	1	1	1	1	1	1	1
	2.7790 -	**RETAINER, GOVERNOR VARIABLE SPEED SP RING**													
5F	**5137276**	RETAINER						1	1	1	1	1	1	1	1
	2.7795 -	**STOP, GOVERNOR VARIABLE SPEED SPRING**													
5F	**5171784**	STOP (WITH STEP)						1	1	1	1	1	1	1	1
5F	**5174430**	STOP (WITH GAP)						1	1	1	1	1	1	1	1
	2.7800 -	**SHIM, GOVERNOR VARIABLE SPEED SPRING**													
5F	**5136590**	SHIM (.010)						6	6	6	6	6	6	6	6
5F	**5136591**	SHIM (.078)						3	3	3	3	3	3	3	3

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14233	14244	14266	14299	14330	14331	14334	14335	14336	14337	14338	14339	14340	14343
		2.7810 - SCREW ASSY., GOVERNOR BUFFER														
5A,B	**5117952**	SCREW ASSY. (WITH SPRING)							1	1	1	1	1	1	1	1
	5174286	NUT, 3/8-24 LOCK (12.9140)							1	1	1	1	1	1	1	1
	5152929	SPRING							1	1	1	1	1	1	1	1
		2.7892 - HOUSING ASSY., GOVERNOR CONTROL LINK														
		INCLUDES ITEMS IN 2.7896 THRU 2.7902														
	5133694	HOUSING ASSY.												1		
	5118149	HOSE (1" I.D.X.56" L.)(2.7030)												1		
	451206	CLAMP, 1" HOSE (12.9660)												1		
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)												6		
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)												1		
	186272	BOLT, 5/16"-18X4" (12.9001)												1		
	186274	BOLT, 5/16"-18X5" (12.9001)												1		
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)												1		
	5155596	WASHER, 5/16" (12.9190)												2		
	103320	LOCKWASHER, 5/16"(12.9200)												8		
		2.7894 - GASKET, GOVERNOR CONTROL LINK HOUSIN G														
	5126499	GASKET (2.7010)												1		
		2.7896 - HOUSING, GOVERNOR CONTROL LINK														
	5133695	HOUSING ASSY.(INCLUDES TUBE AND PIN												1		
	5133799	TUBE												1		
	5124332	TUBE (2.7235)												2		
	5119314	PIN (.375X1.68)(2.7230)												1		
		2.7898 - COVER,GOVERNOR CONTROL LINK HOUSING														
	5133697	COVER												1		
	9417926	BOLT & LOCKWASHER, 1/4"-20X3/4"												6		
		2.7900 - GASKET, GOVERNOR CONTROL LINK HOUSIN G COVER														
	5133698	GASKET												1		
		2.7902 - LEVER ASSY., GOVERNOR CONTROL LINK HOUSING														
		OPERATING														
	5132879	LEVER ASSY.(INCLUDES BEARINGS)												1		
	9437946	BEARING (2.7440)												2		

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1423	1424	1426	1429	1430	1431	1434	1435	1436	1437	1438	1439	1440	1443
		2.7902 - LEVER ASSY., GOVERNOR CONTROL LINK HOUSING(CONT'D)														
	5117693	PIN (2.7217)												2		
	5150885	WASHER (2.7430)												2		
	148148	RETAINER, 1/4" SPRING (12.9640)												2		
	5108755	STUD, BALL JOINT (2.7317)												1		
	120423	LOCKWASHER, 1/4" (12.9210)												1		
		2.7905 - ROD, GOVERNOR CONNECTING														
	5125518	ROD, BALL JOINT END (2.8940)												1		
	5133693	LINK, BALL JOINT												1		
	114492	NUT, 1/4-28 HEX.THIN (12.9120)												1		

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1447	1497	1506	1552	1558	1631	1649	1654	1659	1661	1662	1663
		2.7001 - GgovernOR ASSY.												
		▪ FOR TYPE 1559 USE 1558.▪												
		▪ FOR TYPE 1553 USE TYPE 1192.▪												
		FOR TYPE 1518 USE TYPE 1777.												
		INCLUDES ITEMS IN 2.7045 THRU 2.7810												
		EXCEPT ITEMS IN 2.7165 AND 2.7170.												
	5102926	GOVERNOR ASSY. (VARIABLE SPEED)					1							
	5104002	GOVERNOR ASSY. (LIMITING SPEED)		1										
	5102936	+ GOVERNOR ASSY. (LIMITING SPEED) (8921497)	1					1						
	8921497	GOVERNOR ASSY. (LIMITING SPEED)							1	1				
	5104767	+ GOVERNOR ASSY. (LIMITING SPEED) (5104002)			1									
	8921496	GOVERNOR ASSY (LIMITING SPEED)									1	1	1	1
	5102825	GOVERNOR ASSY. (VARIABLE SPEED)				1								
	443603	BOLT, 1/4"-20 X 3/4" (12.9001)										8		
	179827	BOLT, 5/16-18 X 2 1/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
	186272	BOLT, 5/16-18 X 4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
	272545	BOLT, 5/16-18 X 5 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5155596	WASHER, 5/16" (4.7120)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	120393	WASHER, 5/16" (12.9190)	8	8	8	8	8	8						
	103320	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8
	103319	LOCKWASHER, 1/4" (12.9200)										7		
		+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.												
		2.7002 - NAME PLATE GOVERNOR												
	5122166	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1
	145369	BOLT, #4 X 3/16" DRIVE (12.9067)	2	2	2	2	2	2	2	2	2	2	2	2
		2.7010 - GASKET, GOVERNOR TO BLOWER												
	5126499	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		2.7030 - SPACER, GOVERNOR TO CYLINDER HEAD												
5A,B	5124333	COVER, GOVERNOR FUEL ROD	2	2	2	2	4	2	2	2	2	2	2	2
5A,B	5123812	GASKET (1.2060)	2	2	2	2	4	2	2	2	2	2	2	2
5A,B	5104527	HOSE (1" I.D. X 13/16" L.)	2	2	2	2	4	2	2	2	2	2	2	2
5A,B	5104592	CLAMP (1 1/2" I.D.) (12.9660)	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	5104089	BOLT, 1/4"-20 X 1/2" W/SEAL PATCH (12.9001)										4		
5A,B	5104152	BOLT, 1/4"-20 X 3/4" W/SEAL PATCH (12.9001)	4		4	4	8		4	4	4		4	4
5A,B	443603	BOLT, 1/4"-20 X 3/4" (12.9001)		4				4						
5A,B	120392	WASHER, 1/4" FLAT (12.9190)	4	4	4			4						
5A,B	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	8	4	4	4	4	4	4	4
		2.7045 - COVER ASSY., GOVERNOR (COMPLETE)												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5102479	COVER ASSY.	1	1				1	1	1	1	1	1	1
	5103565	@ COVER ASSY. (5102479)			1									
	5102547	COVER ASSY.				1	1							
	5101768	RETAINER				1	1							
	453007	BOLT ASSY., 1/4"-20 X 1" (12.9001)				1	1							
	9417926	BOLT, 1/4"-20 X 3/4" (12.9010)		8		7	7	8	8	8	8	8	8	8

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1447	1497	1506	1552	1558	1631	1649	1654	1659	1661	1662	1663
		2.7045 - COVER ASSY., GOVERNOR (COMPLETE) (CONT'D)												
		@ NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		2.7051 - GASKET, GOVERNOR COVER												
	5117899	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT												
	5102708	LEVER	1					1	1	1	1	1	1	1
	5183042	LEVER		1	1									
	142583	RETAINER, SPRING (12.9640)		1	1									
	5161464	PIN, SWIVEL (2.9426)		1	1									
	5150941	WASHER		1	1									
	213546	BOLT, 1/4"-20X1" (12.9001)	1		1									
	132105	BOLT, #10-32 X 3/8" (12.9001)		1	1									
	186647	BOLT, 1/4"-20 X 1" (12.9001)		1					1	1	1	1	1	1
	103319	LOCKWASHER, 1/4" (12.9200)									1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14477	14497	15006	15552	15558	16631	16649	16654	16659	16661	16662	16663
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT (CONT'D)												
	103319	LOCKWASHER, 1/4" (12.9200)	1		1				1	1				
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT												
	5100844	LEVER	1		1			1	1	1	1	1		
	5164318	LEVER (2.9340)											1	1
	5100844	LEVER		1										
	5107399	LEVER		1										
	5161464	= PIN, SWIVEL (2.9426)						1						
	5146369	SPACER (.440" THICK) (2.7165)		1	1			1	1	1	1	1	1	1
	142583	= RETAINER, SPRING (12.9640)						1						
	5151249	SHIM (.078 THK.)	1											
	100659	= SCREW, #10-32 X 3/8" FIL. HD. (12.9010)						1						
	138202	SCREW, 1/4"-20 X 1" (8.3455)		1										
	186647	BOLT, 1/4"-20 X 1" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
	5150941	WASHER, 21/64" (2.7310)						1						
	103319	LOCKWASHER, 1/4" (12.9200) = NOT REQUIRED WITH SHUTDOWN SOLENOID.	1	1	1	1	1	1	1	1	1	1	1	1
		2.7210 - SPRING, GOVERNOR LEVER RETRACTING												
	5108775	SPRING (2.9405)				1	1							
	5106243	SPRING		1										
	5106245	CLAMP		1										
		2.7235 - HOUSING, GOVERNOR CONTROL												
	5124426	HOUSING ASSY.				1					1	1	1	1
5A,B	5101291	HOUSING ASSY., INCLUDES TUBE,PIN AND EXTERNAL STARTING AID SCREW	1					1	1	1				
	5133797	HOUSING ASSY. (INCLUDES TUBE & PIN)					1							
5A,B	5104774	HOUSING ASSY., INCLUDES TUBE,PIN AND EXTERNAL STARTING AID SCREW		1	1									
5A,B	116337	PLUG, 1 1/16" EXPANSION (12.9330)	1	1	1	1	1	1	1	1	1	1	1	1
	5124332	TUBE (FUEL ROD COVER) (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2
	5150942	PIN, 3/16" X 7/16" DOWEL CVR. ALIGNING	2	2	2	2	2	2	2	2	2	2	2	2
	5101197	SCREW, STARTING AID (3/8"-24X1.56")	1		1			1	1	1				
	5174286	LOCKNUT, 3/8"-24 HEX. LOCK (12.9140)	1		1			1	1	1				
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING INCLUDES ITEMS IN 2.7255, 2.7280, 2.7300 PLUS BEARING AND WASHER IN 2.7260.												
	5133795	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
		2.7255 - SHAFT, GOVERNOR OPERATING												
5A,B	5133680	SHAFT	1	1	1	1	1	1	1	1	1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14477	14977	15066	15552	15558	16631	16649	16654	16659	16661	16662	16663
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT UPPER												
5A,B	**9431896**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5133686**	SPACER	1	1	1	1	1	1	1	1	1	1	1	1
5B	**9421917**	SCREW ASSY., #10-24 X 7/16" (12.9025)	1	1	1	1	1	1	1	1	1	1	1	1
5B	**120391**	WASHER, #10 FLAT (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
	115545	LOCKWASHER, #10 (12.9220)			1			1						

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14477	14497	15058	15552	15588	16631	16649	16654	16659	16661	16662	16663
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT LOWER												
5A,B	**954987**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT												
5A,B	**5132747**	LEVER	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5132962**	SCREW (GAP ADJUSTING)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**114492**	NUT, 1/4"-28 HEX. (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7290 - FORK, GOVERNOR OPERATING SHAFT												
5A,B	**5138335**	FORK	1	1	1	1	1	1	1	1	1	1	1	1
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER												
5A,B	**5150943**	PIN, SPL. 5/16" X 15/16"	1	1	1	1	1	1	1	1	1	1	1	1
		2.7310 - LEVER ASSY., GOVERNOR DIFFERENTIAL												
	5150394	LEVER ASSY. (INCLUDES PIN 2.7315)	1	1	1	1	1	1	1	1	1	1	1	1
	5150941	WASHER, 21/64"	1	1	1	1	1	1	1	1	1	1	1	1
	142583	RETAINER, 13/64" SPRING (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING												
	5124274	* LINK ASSY. (2.7170)	1	1	1		1	1	1	1				
	5102636	LINK, THROTTLE YIELD (2.7170)	1	1	1		1	1	1	1				
	5117210	LINK				1					1	1	1	1
	5102559	LINK AND PIN ASSY.(PIN NOT SOLD SEPARATELY)	1	1	1		1	1	1	1				
	5124273	SPRING,THROTTLE YIELD (2.7170)	2	2	2		2	2	2	2				
	5124270	HOOK, THROTTLE YIELD LINK	2	2	2		2	2	2	2				
	455921	PIN, 1/8" X 1 1/2" (SLOTTED)						1	1	1				
	142583	RETAINER, 13/64" SPRING (12.9460)	1	1	1	1	1	1	1	1	1	1	1	1
	5150941	WASHER, 21/64"	1	1	1	1	1	1	1	1	1	1	1	1
		* INCLUDES LINK, SPRING, HOOK AND PIN IN 2.7312.												
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER												
	5150894	PIN, 25/32" L.	1	1	1	1		1	1	1	1	1	1	1
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING												
	5132871	LEVER ASSY. (INCLUDES BEARING)					1							
5A,B	**5127373**	LEVER ASSY. (INCLUDES BEARING)	1	1	1	1		1	1	1	1	1	1	1
5A,B	**9437946**	BEARING NEEDLE (.5625 O.D.)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5143866**	PIN	1	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14447	14497	15056	15552	15588	16631	16649	16654	16659	16661	16662	16663
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING (CONT'D)												
5A,B	5117693	PIN, 5/16" X 1" L.	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5127375	PIN	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5143865	CLIP, CONTROL SHAFT LOCK	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	9421917	SCREW & WASHER, #10-24 X 7/16	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5150885	WASHER, 3/8" FLAT (2.7430)	2	2	2	2	2	1	2	2	2	2	2	2
		2.7330 - CARRIER & WEIGHT ASSY., GOVERNOR												
		SEE ASSEMBLY BREAKDOWN PAGE B1												
	5122164	CARRIER & WEIGHT ASSY.				1								
	5113906	CARRIER & WEIGHT ASSY.							1	1	1	1	1	1
	5174447	CARRIER & WEIGHT ASSY.	1					1						
	5122163	CARRIER & WEIGHT ASSY.		1	1									
	5133702	CARRIER & WEIGHT ASSY.					1							
		2.7380 - RISER, GOVERNOR												
5A,B	5147910	RISER	1			1	1	1						
5A,B	5117193	RISER		1	1				1	1	1	1	1	1
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUST												
5A,B	9424075	BEARING	1			1	1							
5A,B	9437108	BEARING		1	1				1	1	1	1	1	1
5A,B	9433982	BEARING						1						
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END												
5A,B	907674	BEARING (N.D. 3301L1214A)	1	1	1	1		1	1	1	1	1	1	1
	907681	BEARING (N.D. 3303FXR1A)					1							
5A,B	5150884	SCREW, RETAINING	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	5150941	WASHER, 21/64" (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1
	5150897	LOCKWASHER	1	1	1	1	1	1	1	1	1	1	1	1
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING												
5A,B	5183268	CAP	1	1	1	1		1	1	1	1	1	1	1
	5140533	CAP					1							
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP												
5A,B	5165221	GASKET	1	1	1	1		1	1	1	1	1	1	1
	5134092	GASKET					1							
		2.7540 - SPRING, GOVERNOR LOW SPEED SPRING												
	5122165	SPRING (BLUE STRIP)	1	1	1			1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14477	14976	15062	15558	16631	16649	16654	16659	16661	16662	16663
		2.7550 - SPRING, GOVERNOR HIGH SPEED SPRING											
	5133691	SPRING (2 SILVER STRIPES)	1				1						
	5136160	SPRING (2 PINK STRIPES)						1	1	1	1	1	1
	5152630	SPRING (1 WHITE STRIP)			1								
	5104732	SPRING (1 WHITE STRIP)		1									
		2.7560 - PLUNGER GOVERNOR LOW SPEED SPRING PLUNGER											
	5182555	PLUNGER (5.32 L.)	1				1	1	1	1	1	1	1
	5104731	PLUNGER		1	1								
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING											
5C,D,H	5150892	SEAT	1	1	1		1	1	1	1	1	1	1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING											
5C,D,H	5117931	CAP	1				1						
	5102968	CAP		1	1			1	1	1	1	1	1
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING											
	5101432	PIN (3.98" L.)	1	1	1		1	1	1	1	1	1	1
	5102270	SCREW, 1/4"-28 X 1"	1	1	1		1	1	1	1	1	1	1
	5104729	SCREW, #8-32X 1/4"			1								
	114492	NUT, 1/4"-28 HEX, (12.9120)	1	1	1		1	1	1	1	1	1	1
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING											
	5104730	RETAINER		1	1								
5H	5182557	RETAINER (2 3/4" L.)	1					1	1	1	1	1	1
	5102896	RETAINER		1	1								
	5102903	BUSHING		1	1								
	5102141	WASHER, BELLEVILLE SPRING		2	2								
	5102970	WASHER		1	2								
	5104729	SCREW, #8-32 X 1/4		1	1								
	114492	NUT, 1/4 (12.9120)			1								
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER											
5H,J	5182558	LOCKNUT	1	1	1		1	1	1	1	1	1	1
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING											
	5104777	COVER		1	1								
	5104776	SCREW, 5/16"-18X1 1/4"		1	1								

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14477	14497	15006	15552	15558	16631	16649	16654	16659	16661	16662	16663
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
5H	**5182559**	HOUSING	1					1	1	1	1	1	1	1
5H	**5100606**	HOUSING		1	1									
	5100604	PIN, TAPERED (2.7001)		2	2									
	5100603	PLUG, SPECIAL (2.7001)		2	2									
5H	**426444**	BOLT, 5/16"-18X3 1/4" (12.9001)		2	2									
5H	**186270**	BOLT, 5/16"-18 X 3 1/2" (12.9001)	2						2	2	2	2	2	2
	445520	BOLT, 5/16"-18 X 3 1/2" (12.9001)						2						
5H	**5155596**	WASHER, 21/64" X 9/16" (12.9190)	2	3	2			2	2	2	2	2	2	2
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
5H,J	**5152944**	GASKET	1	1	1			1	1	1	1	1	1	1
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING												
		SEE ASSEMBLY BREAKDOWN PAGE C1.												
	5139262	HOUSING ASSY.				1	1							
	100129	BOLT, 5/16"-18 X 3 1/2" (12.9001)				2	2							
	103320	LOCKWASHER, 5/16" (12.9200)				2	2							
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING												
	5152944	GASKET (2.7650)				1	1							
	5122270	SPRING				1								
	5133712	SPRING					1							
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING												
	5117932	PLUNGER				1								
	5133818	PLUNGER					1							
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER												
	5152939	GUIDE				1	1							
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING												
	5137276	RETAINER				1	1							
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING												
	5171784	STOP (WITH STEP)				1	1							
	5174430	STOP (WITH GAP)				1	1							

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2.7000A MECHANICAL GOVERNOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 1447	1497	1506	1552	1558	1631	1649	1654	1659	1661	1662	1663
	2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING												
5136590	SHIM (.010")				AR	AR							
5136591	SHIM (.078")				AR	AR							
	2.7810 - SCREW ASSY., GOVERNOR BUFFER												
5117952	SCREW ASSY. (WITH SPRING)		1	1	1	1	1	1	1	1	1	1	1
5174286	NUT, 3/8"-24 LOCK (12.9140)		1	1	1	1	1	1	1	1	1	1	1
5152929	SPRING		1	1	1	1	1	1	1	1	1	1	1
	2.7892 - HOUSING ASSY., GOVERNOR CONTROL LINK												
	INCLUDES ITEMS IN 2.7896 THRU 2.7902.												
5133694	HOUSING ASSY.					1							
5104556	HOSE (1" I.D. X .56" L.)					1							
451206	CLAMP, 1" HOSE (12.9660)					1							
179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)					6							
186270	BOLT, 5/16"-18 X 3 1/2" (12.9001)					1							
186272	BOLT, 5/16"-18 X 4" (12.9001)					1							
186274	BOLT, 5/16"-18 X 5" (12.9001)					1							
272545	BOLT, 5/16"-18 X 5 1/4" (12.9001)					2							
5155596	WASHER, 5/16" (12.9190)					8							
103320	LOCKWASHER, 5/16"												
	2.7894 - GASKET, GOVERNOR CONTROL LINK HOUSING												
5126499	GASKET (3.4190)					1							
	2.7896 - HOUSING, GOVERNOR CONTROL LINK												
5133695	HOUSING ASSY. (INCLUDES TUBE AND PIN)					1							
5133799	TUBE					1							
5124332	TUBE (2.7235)					1							
5119314	PIN (.375 X 1.68") (2.7230)					1							
	2.7898 - COVER, GOVERNOR CONTROL LINK HOUSING												
5133697	COVER					1							
9417196	SCREW & LOCKWASHER, 1/4"-20 X 3/4" (12.9010)					6							
	2.7900 - GASKET, GOVERNOR CONTROL LINK HOUSING COVER												
5133698	GASKET					1							

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14477	14497	15065	15552	15558	16631	16649	16654	16659	16661	16662	16663
		2.7902 - LEVER ASSY., GOVERNOR CONTROL LINK HOUSING OPERATING												
	5132879	LEVER ASSY. (INCLUDES BEARINGS)					1							
	9437946	BEARING					2							
	5117693	PIN (2.7217)					2							
	5150885	WASHER (2.7430)					2							
	148148	RETAINER, 1/4" SPRING					1							
	5108755	STUD, BALL JOINT (2.7317)					1							
	120423	LOCKWASHER, 1/4" INT. TOOTH (12.9210)					1							
		2.7905 - ROD, GOVERNOR CONNECTING												
	5125518	ROD, BALL JOINT END (2.8940)					1							
	5133693	LINK, BALL JOINT					1							
	114492	NUT, 1/4"-28 HEX. (12.9120)					1							
		2.7945 - SEAL, GOVERNOR												
	5101140	SEAL		1										

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16644	16655	16668	16734	16745	16777	17727
		2.7001 - GOVERNOR ASSY.							
	8921496	GOVERNOR ASSY. (LIMITING SPEED)	1	1	1				
	8921497	GOVERNOR ASSY. (LIMITING SPEED)						1	
	8921498	GOVERNOR ASSY. (LIMITING SPEED)				1	1	1	
	5104841	GOVERNOR ASSY. (LIMITING SPEED)							1
	179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)	8	8	8	8	8	8	8
	186272	BOLT, 5/16"-18 X 4" (12.9001)	1	1	1	1	1	1	1
	272545	BOLT, 5/16"-18 X 5 1/4" (12.9001)	1	1	1	1	1	1	1
	120393	WASHER, 5/16" (12.9190)							8
	5155596	WASHER, 5/16" (4.7120)	2	2	2	2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)							8
		2.7002 - NAME PLATE GOVERNOR							
	5122166	NAME PLATE	1	1	1	1	1	1	1
	145369	SCREW, #4 X 3/16" DRIVE RD. HD.	2	2	2	2	2	2	2
		2.7010 - GASKET, GOVERNOR TO BLOWER							
5A,B	5126499	GASKET	1	1	1	1	1	1	1
		2.7030 - SPACER, GOVERNOR TO CYLINDER HEAD							
5A,B	5124333	COVER, GOVERNOR FUEL ROD	2	2	2	2	2	2	2
5A,B	5123812	GASKET (1.2060)	2	2	2	2	2	2	2
5A,B	5104527	HOSE (1" I.D. X 13/16" L.)	2	2	2	2	2	2	2
5A,B	5104592	CLAMP (1 1/2" I.D.) (12.9660)	4	4	4	4	4	4	8
5A,B	5104152	BOLT, 1/4"-20 X 3/4" W/SEAL PATCH (12.9001)	4	4	4	4	4	4	4
5A,B	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4
		2.7045 - COVER ASSY., GOVERNOR (COMPLETE)							
		SEE ASSEMBLY BREAKDOWN PAGE A1.							
	5102661	COVER ASSY.				1	1	1	
	5102479	COVER ASSY.	1	1	1				1
5A,B	9417926	BOLT, 1/4"-20 X 3/4" (12.9001)	8	8	8	8	8	8	8
		2.7051 - GASKET, GOVERNOR COVER							
5A,B	5117899	GASKET	1	1	1	1	1	1	1
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT							
	5102708	LEVER	1	1	1	1	1	1	
	5183042	LEVER (2.9410)							1
	5146369	SPACER (.440" THICK)				1	1	1	
	5150130	PLUG				1	1	1	
	5161464	PIN, SWIVEL (2.9426)							1
	142583	RETAINER, SPRING (12.9640)							1
	179796	BOLT, 1/4"-20 X 7/8" (12.9001)				1	1	1	
	186647	BOLT, 1/4"-20 X 1" (12.9001)	1	1	1			1	1
	132105	SCREW, #10-32X3/8" (12.9010)							1
	5150941	WASHER, 21/64" (2.7310)							1
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16664	16665	16668	16673	16674	16675	16677	17077
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT								
	5100845	LEVER		1						
	5100844	LEVER							1	1
	5104343	LEVER								1
	5164318	LEVER	1							
	5132350	SPRING				1	1	1		

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16644	16658	16673	16674	16675	16771	16777
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT (CONT'D)							
	5151249	SHIM (.078 THK.)						1	
	5146369	SPACER	1	1	1				1
	186647	BOLT, 1/4"-20 X 1" (12.9001)	1	1	1			1	
	100002	BOLT, 1/4"-28 X 1" (12.9001)			1	1	1		
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	
	120613	NUT, 1/4"-28			1	1	1		
		2.7210 - SPRING, GOVERNOR LEVER RETRACTING							
	5106243	SPRING							1
	5119679	SPRING			1	1	1		
	5106245	CLAMP							1
	138202	SCREW, 1/4"-20X1 1/4" (12.9027)							1
		2.7220 - BRACKET, GOVERNOR LEVER RETRACTING SPRING							
	5125885	BRACKET			1	1	1		
	5172502	EYE, 1/4"-20 X 2 1/2" (2.9348)			1	1	1		
	132268	BOLT, 1/4"-20 X 7/8" FIL. HD. (12.9010)			2	2	2		
	103319	LOCKWASHER, 1/4" (12.9200)			2	2	2		
	120375	NUT, 1/4"-20 HEX. (12.9120)			2	2	2		
		2.7235 - HOUSING, GOVERNOR CONTROL							
5A,B	5124426	HOUSING ASSY., INCLUDES TUBE AND PIN	1	1	1	1	1	1	
5A,B	5104774	HOUSING ASSY., INCLUDES TUBE, PIN AND EXTERNAL STARTING AID SCREW							
5A,B	5101291	HOUSING ASSY., INCLUDES TUBE, PIN AND EXTERNAL STARTING AID SCREW						1	
5A,B	116337	PLUG, 1/16" EXPANSION (12.9330)	1	1	1	1	1	1	1
	5124332	TUBE (FUEL ROD COVER) (2.7230)	2	2	2	2	2	2	2
	5150942	PIN, 3/16" X 7/16" DOWEL CVR ALIGNING	2	2	2	2	2	2	2
	5101197	SCREW, STARTING AID (3/8"-24 X 1.56")						1	1
	5174286	LOCKNUT, 3/8"-24 (12.9140)						1	1
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING INCLUDES ITEMS IN 2.7255, 2.7280, 2.7300 PLUS BEARING AND WASHER IN 2.7260							
	5133795	SHAFT ASSY.	1	1	1	1	1	1	1
		2.7255 - SHAFT, GOVERNOR OPERATING							
5A,B	5133680	SHAFT	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1664	1665	1668	1673	1674	1675	1677	1777
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT UPPER								
5A,B	**9431896**	BEARING	1	1	1	1	1	1	1	1
5A,B	**5133686**	SPACER	1	1	1	1	1	1	1	1
5B	**9421917**	SCREW ASSY., #10-24 X 7/16" (W/LW) (12.9025)	1	1	1	1	1	1	1	1
5B	**120391**	WASHER, #10 (12.9120)	1	1	1	1	1	1	1	1
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT LOWER								
5A,B	**954987**	BEARING	1	1	1	1	1	1	1	1
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT								
5A,B	**5132747**	LEVER	1	1	1	1	1	1	1	1
	5132962	SCREW (GAP ADJUSTING)	1	1	1	1	1	1	1	1
5A,B	**114492**	NUT, 1/4"-28 (12.9120)	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1664	1665	1668	1673	1674	1675	1677	1777
		2.7290 - FORK, GOVERNOR OPERATING SHAFT								
5A,B	5138335	FORK	1	1	1	1	1	1	1	1
		2.7300 - PIN, GOVERNOR OPERATING								
5A,B	5150943	PIN, SPL. 5/16" X 15/16"	1	1	1	1	1	1	1	1
		2.7310 - LEVER ASSY., GOVERNOR DIFFERENTIAL								
	5150394	LEVER ASSY. (INCLUDES PIN IN 2.7315)	1	1	1	1	1	1	1	1
	5150941	WASHER, 21/64" (2.7310)	1	1	1	1	1	1	1	1
	142583	RETAINER, 13/64" SPRING (12.9640)	1	1	1	1	1	1	1	1
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING								
	5124274	* LINK ASSY. (2.7170)							1	1
5A,B	5102636	LINK							1	1
5A,B	5102559	LINK AND PIN ASSY. (PIN NOT SOLD SEPARATELY)							1	1
5A,B	5117210	LINK	1	1	1	1	1	1		
	5124273	SPRING, THROTTLE YIELD LINK (2.7170)							2	2
	5124270	HOOK, THROTTLE YIELD LINK (2.7170)							2	2
	142583	RETAINER, 13/64" SPRING (12.9460)	1	1	1	1	1	1	1	1
	5150941	WASHER, 21/64"	1	1	1	1	1	1	1	1
		* INCLUDES SPRING AND HOOK IN 2.7312.								
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER								
	5150894	PIN, 25/32" L.	1	1	1	1	1	1	1	1
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING								
5A,B	5127373	LEVER ASSY. (INCLUDES BEARING)	1	1	1	1	1	1	1	1
5A,B	9437946	BEARING, NEEDLE (.5625 O.D.)	2	2	2	2	2	2	2	2
5A,B	5127375	PIN	1	1	1	1	1	1	1	1
5A,B	5117693	PIN, 5/16" X 1" L.	1	1	1	1	1	1	1	1
5A,B	5143866	PIN	1	1	1	1	1	1	1	1
5A,B	5143865	CLIP, CONTROL SHAFT LOCK	1	1	1	1	1	1	1	1
	9421917	SCREW & WASHER, #10-24 X 7/16"	1	1	1	1	1	1	1	1
5A,B	5150885	WASHER, 3/8" (2.7430)	2	2	2	2	2	2	2	2
		2.7330 - CARRIER & WEIGHT ASSY., GOVERNOR								
		SEE ASSEMBLY BREAKDOWN PAGE B1.								
	5113906	CARRIER & WEIGHT ASSY.	1	1	1	1	1	1	1	1
		2.7380 - RISER, GOVERNOR								
5A,B	5117193	RISER	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16664	16665	16668	16673	16674	16675	16677	17777
		2.7460 - BEARING GOVERNOR WEIGHT RISER THRUST								
5A,B	**9437108**	BEARING	1	1	1	1	1	1	1	1
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END								
	907674	BEARING (N.D. 3301L1214A)	1	1	1	1	1	1	1	1
5A,B	**5150884**	SCREW, RETAINING	1	1	1	1	1	1	1	1
5A,B	**5150941**	WASHER, 21/64" (2.7310)	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1664	1665	1668	1673	1674	1675	1677	1677
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END (CONT'D)								
	5150897	LOCKWASHER	1	1	1	1	1	1	1	1
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING								
	5183268	CAP	1	1	1	1	1	1	1	1
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP								
	5165221	GASKET	1	1	1	1	1	1	1	1
		2.7540 - SPRING, GOVERNOR LOW SPEED								
	5122165	SPRING (GREEN STRIP)	1	1	1	1	1	1	1	1
		2.7550 - SPRING, GOVERNOR HIGH SPEED								
	5136160	SPRING (2 PINK STRIP)	1	1	1	1	1	1	1	
	5104732	SPRING								1
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING								
	5182555	PLUNGER (5.32" L.)	1	1	1	1	1	1	1	
	5106619	PLUNGER (5.24" L.)								1
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING								
5C,D,H	5150892	SEAT	1	1	1	1	1	1	1	1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING								
5C,D,H	5102968	CAP	1	1	1	1	1	1	1	1
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING								
	5101432	PIN (3.98" L.)	1	1	1	1	1	1	1	1
	5102270	SCREW, 1/4"-28 X 1"	1	1	1	1	1	1	1	1
	114492	NUT, 1/4"-28 (12.9120)	1	1	1	1	1	1	1	1
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING								
5H	5102896	RETAINER (2.80" L.)								1
5H	5182557	RETAINER (2" L.)	1	1	1	1	1	1	1	
5H	5104730	RETAINER, BELLEVILLE (.76" L.)								1
5H	5102903	BUSHING								1
5H	5104535	SPRING, BELLEVILLE								2
	5102970	WASHER, BELLEVILLE SPRING								2
	5104729	SCREW, 8-32X1/4"								2

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1664	1665	1668	1673	1674	1675	1677	1677
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER								
5H,J	**5182558**	LOCKNUT	1	1	1	1	1	1	1	1
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW								
5H	**5182559**	HOUSING (3 7/32" L.)	1	1	1	1	1	1	1	
5H	**5100606**	HOUSING (3.44" L.)								1
5H	**5104777**	COVER, TAMPER PROOF								1
5H	**5104776**	SCREW								1
	5100604	*PIN, TAPERED (1" L.)*								1
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)								2
5H	**186270**	BOLT, 5/16"-18 X 3 1/2" (12.9001)	2	2	2	2	2	2	2	1
5H	**5155596**	WASHER, 21/64"X9/16" COPPER (4.7120)	2	2	2	2	2	2	2	4
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER								
5G	**5152944**	GASKET (2.7650)	1	1	1	1	1	1	1	1
		2.7810 - SCREW ASSY., GOVERNOR BUFFER								
	5117952	SCREW ASSY. (WITH SPRING)	1	1	1	1	1	1	1	1
	5174286	NUT, 3/4"-24 LOCK (12.9140)	1	1	1	1	1	1	1	1
	5152929	SPRING	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7045 - COVER ASSY., GOVERNOR (COMPLETE)														
5H	**5102547**	COVER ASSY. (VAR SPD)												1		
5H	**5117865**	@ COVER ASSY. (VAR. SPD.) (5102547)	1													
5J	**5117898**	COVER ASSY. (LMTG. SPD.)		1												
5J	**5125187**	@ COVER ASSY. (LMTG. SPD.) (5102661)				1										
5J	**5127729**	@ COVER ASSY. (LMTG. SPD.) (5102479)			1											
5J	**5102479**	COVER ASSY. (LMTG. SPD.)									1					
5J	**5102546**	COVER ASSY. (LMTG. SPD.)										1				
5J	**5127730**	+ COVER ASSY. (LMTG. SPD.)					1									
5J	**5102544**	COVER ASSY. (LMTG. SPD.)														
5J	**5135307**	@ COVER ASSY. (LMTG. SPD.) (5102544)						1								
5H	**5140772**	@ COVER ASSY. (VAR. SPD.) (5102548)							1							
5J	**5140771**	@ COVER ASSY. (LMTG. SPD.) (5102479)								1						
5J	**5102661**	COVER ASSY. (LMTG. SPD.)											1			
5J	**5103565**	@ COVER ASSY. (LMTG. SPD.) (5102479)													1	
		@ NOT SERVICED, USE PART NO. SHOWN IN PARENTHESES.														
		+ NOT SERVICED, USE 5102544 PLUS 5149316.														
		2.7050 - COVER ASSY., GOVERNOR (LESS SHAFT AND LEVERS)														
		INCLUDES PIN IN 2.7050, AND BUSHING NOT SERVICED SEPARATELY.														
5H	**5102621**	COVER ASSY.												1		
5A	**5117864**	* COVER ASSY.	1													
5B	**5117896**	* COVER ASSY.		1												
5B	**5127259**	* COVER ASSY.			1											
5B	**5125186**	* COVER ASSY.				1										
5J	**5102460**	COVER ASSY.									1				1	
5J	**5102623**	COVER ASSY.										1				
5B	**5127263**	* COVER ASSY.					1									
	5135305	* COVER ASSY.						1								
	5140773	COVER ASSY.							1							
5J	**5102858**	COVER ASSY.											1			
	5140774	@ COVER ASSY. (5102479)								1						
	456390	PIN, SL 1/4" X 3/4" (12.9275)									2		2	2	2	
	141195	PIN, 1/4"X5/8" DOWEL (12.9290)		1								1				
		* OBSOLETE.														
		@ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.														
		2.7093 - SPRING, GOVERNOR THROTTLE SHAFT ARM RETURN														
	5132350	SPRING				1							1			
		2.7095 - SHAFT ASSY., GOVERNOR THROTTLE														
		INCLUDES PIN IN 2.7095														
	5102471	SHAFT ASSY.												1		
5A	**5117933**	SHAFT ASSY.	1													
5B	**5117928**	SHAFT ASSY.		1	1		1	1		1						
5B	**5127748**	SHAFT ASSY.				1										
	5134713	SHAFT ASSY.							1							
	5103564	* SHAFT ASSY. (5102479)													1	
5J	**5102464**	SHAFT ASSY.									1	1				
5J	**5104179**	SHAFT ASSY.											1			
5A,B	**113500**	PIN, #1X7/8" TAPER (12.9820)	1	1	1	2	1	1	1	1					1	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7095 - SHAFT ASSY., GOVERNOR THROTTLE (CONT'D)														
5J	**455297**	PIN, SPRING SL. 5/32" X 7/8"											1	1		
5J	**456836**	PIN, SPRING 1/4" X 2 1/4"											1			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7095 - SHAFT ASSY., GOVERNOR THROTTLE (CONT'D)														
	191758	FITTING, 1/8" LUBE (12.9540)				1							2			
	5145009	PLUG, 1/8" PIPE (12.9550)			1		1	1		1					1	
		* NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.														
		2.7100 - BEARING, GOVERNOR THROTTLE SHAFT														
5B	9415510	BEARING, NEEDLE (1/2"X3/8")				1										
5B	148402	BEARING, NEEDLE (1/2"X1/2")		2	2	1	2	2		2						
	5144065	BUSHING (1/2"X11/16"X1.00")							1							
	5102461	BUSHING, SPLIT								2						
		2.7111 - BUSHING, GOVERNOR SHUTDOWN SHAFT														
5B	5127267	BUSHING (3/8"I.D.X7/8"L.)			1	1		1		1						
	447196	BEARING, NEEDLE (2.7440)					2									
		2.7115 - SHAFT ASSY., GOVERNOR SHUTDOWN														
5B	5143146	SHAFT			1	1	1	1		1					1	
5J	5102466	SHAFT ASSY.									1		1			
5J	5102467	SHAFT ASSY.										1				
		2.7117 - SPRING, GOVERNOR SHUTDOWN SHAFT														
5B	5127213	SPRING					1	1								
5B,J	5131368	SPRING (RED STRIPE)			1	1				1	1		1		1	
		2.7140 - WASHER, GOVERNOR THROTTLE SHAFT (PACKING)														
5J	5119673	WASHER				1							1			
5J	5102654	SPACER											1			
	5126863	SPACER				1										
	5139762	SPACER													1	
5A,B	5176557	SEAL RING (.487"I.D.X.103" THICK)	1	1	1	1	1	1	1	1	1	1	1		1	
	5197151	WASHER (33/64"I.D.) (SEAL RING BACK UP) (2.7140)	1	1	1	1	1	1	1	1						
		2.7145 - WASHER, GOVERNOR SHUTDOWN SHAFT (PACKING)														
5B	5182977	SEAL RING (.362"I.D.X.103" THICK) (SHUTOFF)		1	1	1	1	1		1						
5J	5101691	SEAL RING (.362 I.D.X.113 THICK)									1	1	1		1	
	5197150	WASHER (25/64"I.D.) (SEAL RING BACK		1	1	1	1	1		1						

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7145 - WASHER, GOVERNOR SHUTDOWN SHAFT (PACKING) (CONT'D)														
		UP)														
		2.7150 - RETAINER, GOVERNOR THROTTLE SHAFT (PACKING)														
5A,B	**5153060**	RETAINER			1						1	1	1	1	1	
5A,B	**5144177**	RETAINER		2	2	2	2	2	2	2	1	1		1	1	
5A	**5174429**	RING, RETAINING	1	1	1		1	1	1	1	1	1				
5A,B	**274270**	RING (1/2")				1							1			
5A,B	**274415**	RING (1")				1										
		2.7155 - RETAINER, GOVERNOR SHUTDOWN SHAFT (PACKING)														
5B	**5151487**	WASHER (2.7430)			2	2	2	2		2		1	1		1	
	5144178	RETAINER									1	1	1		1	
5B	**5178581**	RING, RETAINER (2.7430)			1	1	1	1		1	1	1	1		1	
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT														
	5102652	LEVER (OPERATING)											1			
	5119662	LEVER (OPERATING)				1										
	5119663	LEVER (OUTPUT SHAFT)				1										
	5102653	LEVER (OUTPUT SHAFT)											1			
		2.7175 - CAM, GOVERNOR COVER														
	5110659	CAM		1												
	5151487	WASHER (2.7430)		2												
	5178581	RING, RETAINER (2.7430)		1												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7330 - CARRIER AND WEIGHT ASSY., GOVERNOR														
	5108904	CARRIER & WEIGHT ASSY.			1											
	5113906	CARRIER & WEIGHT ASSY.				1										
	5122163	CARRIER & WEIGHT ASSY.		1												
	5122164	CARRIER & WEIGHT ASSY.	1													
	5133689	CARRIER & WEIGHT ASSY.					1									
	5133702	CARRIER & WEIGHT ASSY.						1								
	5132855	CARRIER & WEIGHT ASSY.							1							
	5143728	CARRIER & WEIGHT ASSY.								1						
	5174447	CARRIER & WEIGHT ASSY.									1					
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT														
		INCLUDES ITEMS IN 2.7360 AND 2.7370.														
	5174451	SHAFT & CARRIER ASSY.	1								1					
	5183624	SHAFT & CARRIER ASSY.		1	1	1			1							
	5133800	SHAFT & CARRIER ASSY.					1			1						
	5133814	SHAFT & CARRIER ASSY.						1								
		2.7360 - SHAFT, GOVERNOR WEIGHT CARRIER														
5A,B	**5150923**	SHAFT	1	1	1	1			1		1					
	5133801	SHAFT					1	1		1						
		2.7370 - CARRIER, GOVERNOR WEIGHT SHAFT														
5A	**5185606**	CARRIER	1								1					
5B	**5184336**	CARRIER		1	1	1			1							
	5142474	CARRIER					1			1						
	5133704	* CARRIER						1								
		* NOT SERVICED; USE 1-5142475.														
		2.7390 - WEIGHT, GOVERNOR														
		A WEIGHT ASSY. INCLUDES BEARING IN 2.7440.														
5A	**5111979**	* WEIGHT ASSY. (NARROW CAM)	2								2					
	5174455	WEIGHT ASSY.			2				2							
5B	**5183723**	WEIGHT ASSY. (HIGH SPEED)						3								
5A	**5133812**	* WEIGHT ASSY.	2								2					
	5111980	@ WEIGHT														
	5174456	WEIGHT		2		2	3			3						
5B	**5117737**	& WEIGHT ASSY. (HIGH SPEED)														

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7390 - WEIGHT, GOVERNOR (CONT'D)														
5B	**5122162**	# WEIGHT (LOW SPEED)		2			3									
5B	**5183631**	% WEIGHT (LOW SPEED)			2											
5B	**5188606**	= WEIGHT (LOW SPEED) (REQUIRES SET SCREW)				2				3						
5A	**5133813**	@ WEIGHT						3								
5B	**5183779**	+ WEIGHT, LOW SPEED (REQUIRES SET SCREW)							2							
5B	**5147098**	WEIGHT, LOW SPEED (PRESS-ON)		2			3									
5B	**5147869**	WEIGHT, LOW SPEED (PRESS-ON)			2											
5B	**5147103**	WEIGHT, LOW SPEED (PRESS-ON)				2				3						
5B	**5147870**	WEIGHT, LOW SPEED (PRESS-ON)							2							
5B	**5144028**	SCREW (2.7400)		2	2	2	3		2	3						
	5147866	BUSHING (SLIP FIT)		2	2	2	3		2	3						
		* NOT SERVICED; USE 5147913 AND INCLUDE (1) 5147910 RISER.														
		@ NOT SERVICED SEPARATELY, USE WEIGHT ASSY.														
		& NOT SERVICED; USE 5117738 PLUS 5147866.														
		# NOT SERVICED USE (2) EACH 5147098, 5117738, 5147866, 5185153, 5151487 PLUS (4) 5178581.														
		% NOT SERVICED; USE (2) EACH 5147869, 5185153, 5150885, 5151487 AND (4) 5178581.														
		= NOT SERVICED, USE (2) EACH 5147103, 5117738, 5147866, 5185153, 5151487 & (4) 5178581.														
		+ NOT SERVICED, USE (2) EACH 5147870, 5185153, 5150885, 5151487 AND (4) 5178581.														
		2.7430 - PIN, GOVERNOR WEIGHT														
5A	**5185153**	PIN (WITH PRESS ON WEIGHTS)		2	2		3		2	3						
5A	**5185154**	PIN (RING GROOVE)	2					3			2					
5B	**5183632**	PIN (REQUIRES SET SCREW)		2	2	2	3		2	3						
5A,B	**5151487**	WASHER (.032" THICK)	8	2	2	4	3	12	2	3	4					
5A,B	**5150885**	WASHER (.015" THICK)			2				2							
5A	**5178581**	RING, RETAINER	4	4	4		6	6	4	6	4					
		2.7440 - BEARING, GOVERNOR WEIGHT														
5A	**9437946**	BEARING						6								
	9429531	BEARING	4								4					
	451995	BEARING (HIGH SPEED)			2				2							

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7440 - BEARING, GOVERNOR WEIGHT (CONT'D)														
	5110665	BUSHING (PRESSED IN) (2.7100)		2						3						

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING														
	5139262	HOUSING ASSY.	1													
	5179124	HOUSING ASSY.		1												
	5139662	HOUSING ASSY.			1											
	5132980	* HOUSING ASSY. (5144009)				1										
	5144009	HOUSING ASSY.					1									
		* NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES WHICH INC ORPORATES A NEW WIDER ROLLER BEARING.														
		2.7690 - HOUSING, GOVERNOR VARIABLE SPEED SPRING														
	5145444	HOUSING	1		1	1	1									
5F	**5126060**	@ HOUSING	1		1	1	1									
5F	**5172557**	# HOUSING		1												
	5145446	COVER	1		1	1	1									
	5145445	GASKET	1		1	1	1									
	9417926	BOLT ASSY., 1/4"-20X3/4" (12.9001)	1		1											
	271468	SCREW ASSY., 1/4"-20X3/4" FIL. HD. (2.9010)				1	1									
5F	**5126789**	PLUG,	1		1											
5F	**5121182**	PLUG, 1/4" PIPE (12.9550)	1	1	1	1	1									
5F	**142656**	PLUG, 3/4" EXPANSION (12.9330)		1												
5F	**5143564**	BOLT (IDLE SPEED ADJUSTING SCREW)	1	1	1	1	1									
5F	**274856**	NUT, 1/4"-20 HEX. (12.9120)	1	1	1	1	1									
		@ NOT SERVICED, USE 5145444 HOUSING AND INCLUDE 1-5145446 COVER, 1-5145445 GASKET AND 1-271468 SCREW ASSY.														
		# NOT SERVICED, USE 5126060 HOUSING AND INCLUDE 1-5176557 SEAL IN 2.7750 AND 1-5126789 PLUG IN 2.7690.														
		2.7712 - BEARING, GOVERNOR VARIABLE SPEED SPRING LEVER SHAFT														
5F	**148402**	BEARING	2	2	2	2	2									
		2.7720 - SHAFT, GOVERNOR VARIABLE SPEED SPRING LEVER														
5F	**5173964**	SHAFT	1	1	1											
5F	**5101694**	SHAFT				1	1									
5F	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)	2	2	2	3	3									

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7730 - LEVER, GOVERNOR VARIABLE SPEED SPRING														
		A LEVER ASSY. INCLUDES LEVER, NOT SOLD SEPARATELY, AND ITEMS IN 2.7732														
5F	**5179102**	% LEVER ASSY. (ROLLER CONTACT)	1	1	1	1										
5F	**5139469**	LEVER ASSY. (ROLLER CONTACT)	1				1									
5F	**5143665**	WASHER (PACKING RETAINER)	1	1	1	2	2									
5F	**223065**	SCREW, 5/16"-24X1/4" SET (12.9076)	1	1	1	1	1									
		% NOT SERVICED, USE 1-5139469 LEVER ASSY.														
		2.7732 - BEARING, GOVERNOR VARIABLE SPEED SPRING LEVER														
	5139468	BEARING (ROLLER)	1				1									
	5179105	BEARING (ROLLER)		1	1	1										
	9425165	PIN	1				1									
	5179104	PIN		1	1	1										
	5185305	WASHER		2	2	2										
		2.7750 - PACKING, GOVERNOR VARIABLE SPEED SPRING LEVER SHAFT														
5F	**5176557**	SEAL, "O" RING	1		1	2	2									
5F	**5196633**	SEAL (LIP TYPE)		1												

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 189	529	541	542	543	549	552	560	566	570	571	574
		2.8030 - GOVERNOR ASSY.												
		PSG GOVERNORS SERVICED BY DDAD AS AN ASSY. ONLY. FOR COMPONENT PARTS CONTACT WOODWARD GOVERNOR CO., ROCKFORD, ILLINOIS. FURNISH THEIR ASSY. PART NUMBER AS SHOWN IN PARENTHESES. REFER TO ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.												
	5184727	@ GOVERNOR ASSY. (T/C OUTPUT SHAFT) (PG. B1)	1											
	5108314	# GOVERNOR ASSY. (T/C OUTPUT SHAFT) (PG. B1)	1											
	5128528	@ GOVERNOR ASSY. (SGXA) (PAGE A1)		1		1								1
	5108304	# GOVERNOR ASSY. (SGXA) (PAGE A1)		1		1								1
	5188502	@ GOVERNOR ASSY. (T/C OUTPUT SHAFT) (P. B1)			1									
	5108315	# GOVERNOR ASSY. (T/C OUTPUT SHAFT) (P. B1)			1									
	5196850	+ GOVERNOR ASSY. (PSG, 110V.) (#370682)					1							
	5143735	GOVERNOR ASSY. (PSG) (#8560-287)					1							
	5127995	GOVERNOR ASSY. (PSG) (#370630)						1		1				
	5128960	@ GOVERNOR ASSY. (SGX) (WITH 24V.MOTOR (PAGE A1)							1			1		
	5108305	# GOVERNOR ASSY. (SGX) (WITH 24V.MOTOR (PAGE A1)							1			1		
	5129758	@ GOVERNOR ASSY. (SGX) (PAGE A1)									1			
	5108306	# GOVERNOR ASSY. (SGX) (PAGE A1)									1			
	5109521	GOVERNOR ASSY. (PSG) (#370775)											1	
	5117350	SPACER (FUEL PUMP DRIVE)		1					1					
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)		4		4			4		4			4
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)										4		
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)					4	4		4				
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)											4	
	186624	BOLT, 5/16"-24X1 1/4" (12.9001)	4		4									
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4

* FIG. 13D OF 1.0000.

@ THRU 6VA-11943, 8VA-3044, 12VA-1291, 16VA-039. NOT SERVICED AS AN ASSY. COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE GOVERNOR ASSY. MARKED "#".

\# EFFECTIVE WITH 6VA-11944, 8VA-3045, 12VA-1292, 16VA-040.

\+ NOT SERVICED, USE OTHER ASSY. SHOWN IN TYPE AND INCLUDE (1) 141539 REDUCING BUSHING TO ASSURE INTERCHANGEABILITY.

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 189	529	541	542	543	549	552	560	566	570	571	574
		2.8035 - GASKET, GOVERNOR TO BLOWER												
6B,C	5126499	GASKET (3.4190)		1		1	1	1	1	1	2	1	1	1
	3224773	GASKET (TO GOVERNOR COVER) (2.8760)			1	1					1	1	1	1
		2.8182 - MOTOR ASSY., GOVERNOR SYNCHRONIZING												
	5196853	MOTOR ASSY. (110V.) (BODINE)					1							
	5198168	DISC, FRICTION					1							
	5195386 *	DISC, FRICTION					1							
	5195389	SCREW (#10-32X7/8" FIL. HD.)					4							
	5195390	SCREW, SET (#6-32)					1							
	5198169	WASHER, FRICTION DISC					1							
	5195388	WASHER, SPRING					1							
	116089	WASHER, 3/8" FLAT COPPER					4							
	5195609	LOCKWIRE					AR							
		* NOT SERVICED, REPLACE WITH 5198168 DISC AND INCLUDE 1-5198169 WASHER.												
		2.8530 - SPRING, GOVERNOR SPEEDER												
6A	5196854	SPRING					1							
		2.8750 - DRIVE ASSY., GOVERNOR												
		CONSISTS OF ITEMS IN 2.8780 THRU 2.8830.												
	5109156 #	DRIVE ASSY.				1				1		1	1	1
	5127791 @	DRIVE ASSY.				1				1		1	1	1
	5127792 @	DRIVE ASSY. (ON REAR BLOWER)									1			
	5127993 @	DRIVE ASSY. (ON FRONT BLOWER)									1			
	5109137 #	DRIVE ASSY. (ON REAR BLOWER)									1			
	5109136 #	DRIVE ASSY. (ON FRONT BLOWER)									1			
6B	179827	BOLT, 5/16"-18X2 1/4" (12.9001)				6				9	12	6	6	9
6C	186271	BOLT, 5/16"-18X3 3/4" (12.9001)				1				1	2	1	1	1
6C	186272	BOLT, 5/16"-18X4" (12.9001)				1				1	2	1	1	1
6C	186274	BOLT, 5/16"-18X5" (12.9001)				1				1	2	1	1	1
6C	272545	BOLT, 5/16"-18X5 1/4" (12.9001)				1				1	2	1	1	1
	5155596	WASHER, 5/16" COPPER (4.7120)				3				3	6	3	3	3
	103320	LOCKWASHER, 5/16" (12.9200)				AR				AR	AR	AR	AR	AR
		# EFFECTIVE WITH 6VA-11944, 8VA-4133, 12VA-1424 IN TYPE 542, 12VA-760 IN TYPE 574 AND 16VA-064.												
		@ THRU 6VA-11943, 8VA-4132, 12VA-1423 IN TYPE 542, 12VA-759 IN TYPE 574 AND 16VA-063. NOT SERVICED AS AN ASSY. COMPONENTS ARE												

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 189	529	541	542	543	549	552	560	566	570	571	574
	2.8750	**- DRIVE ASSY., GOVERNOR (CONT'D)**												
		AVAILABLE. FOR REPLACEMENT USE DRIVE ASSY. MARKED "#" AND INCLUDE 5109159 OR 5109149 COVER IN 2.8780.												
	2.8760	**- GASKET, DRIVE TO GOVERNOR**												
	3224773	GASKET (1 9/16"HOLE) (2 1/4" SQUARE)	1	1			1	1	1	1				
	2.8780	**- HOUSING, GOVERNOR DRIVE**												
6B	**5126096**	* HOUSING		1			1	1	1					
6C	**5107278**	HOUSING ASSY. (INCLUDES BUSHING)				1				1		1	1	1
6C	**5127235**	@ HOUSING (REAR)									1			
6C	**5127976**	& HOUSING (FRONT)									1			
6C	**5109131**	HOUSING (REAR)									1			
6C	**5131244**	HOUSING (FRONT)									1			
6B	**5147396**	PLATE (1.7490)		1		1	1	1						
6C	**5124332**	COVER (TUBE) (CONTROL LINK) (2.7230)				2				2	4	2	2	2
6C	**5109159**	# COVER (REAR ON 16V)				1				1	1	1	1	1
6C	**5109149**	COVER									1			
	5152716	+ COVER, FUEL PUMP HOLE (3.4223)									1			
6C	**5108756**	= COVER (WITH BRACKET) (REAR)												1
6B	**5135935**	GASKET (7.4455)		1		1	1	1						
6C	**5127424**	GASKET, COVER (2.8760)				1				1	2	1	1	1
	5150193	GASKET (5.1010)									1			
	5150942	PIN, DOWEL (2.7230)				2				2	4	2	2	2
	5145010	PLUG, 1/4" PIPE (12.9550)									1		1	
	5118219	+ BOLT AND SEAL ASSY. (FUEL PUMP HOLE COVER) (2.2001)									3			
6B	**179816**	BOLT, 5/16"-18X3/4" (12.9001)		2			2	2	2		2			
6C	**186625**	BOLT, 5/16"-18X7/8" (12.9001)				2				2	6	2	2	2
6B	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)		9			9	9	9					
6B	**186273**	BOLT, 5/16"-18X4 1/4" (12.9001)		1			1	1	1					
	5155596	WASHER, 5/16" COPPER (12.9190)		3			3	3	3					
6B,C	**103320**	LOCKWASHER, 5/16" (12.9200)		AR		AR	AR	AR	AR	AR	AR	AR	AR	AR

* NO LONGER AVAILABLE FOR SERVICE.
@ THRU 16VA-058; NOT SERVICED, USE 5109131 AND INCLUDE 1-5109159 COVER.
& THRU 16VA-058; NOT SERVICED, USE 5131244 AND INCLUDE 1-5109149 COVER.
# EFF. WITH 16VA-064. NOT PART OF DR ASM.
+ EARLY UNITS.
= THRU 16VA-063. NOT PART OF DRIVE ASSY.

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 189	529	541	542	543	549	552	560	566	570	571	574
		2.8790 - SHAFT ASSY., GOVERNOR DRIVEN												
		INCLUDES SHAFT IN 2.8795, SLEEVE IN 2.8800 AND BEARING IN 2.8810.												
	5126094 *	SHAFT ASSY.		1			1	1	1					
	5127663	SHAFT ASSY.				1				1	1	1	1	1
		* OBSOLETE												
		2.8795 - SHAFT, GOVERNOR DRIVEN												
6B,C	3224084	SHAFT		1		1	1	1	1	1	1	1	1	1
6B,C	274900	RING, RETAINING				1				1	1	1	1	1
		2.8800 - SLEEVE, GOVERNOR DRIVEN SHAFT												
6B	5126093 *	SLEEVE		1			1	1	1					
6C	5127664	SLEEVE				1				1	1	1	1	1
		* OBSOLETE												
		2.8810 - BEARING, GOV. DRIVEN SHAFT												
6B,C	954498	BEARING (N.D. 3202L1A)		1		1	1	1	1		1	1	1	1
6B	5169866	WASHER, COPPER		2			2	2	2					
6B	5169864	SCREW, SET		2			2	2	2					
6B	274856	NUT, 1/4"-20 LOCK (12.9120)		2			2	2	2					
		2.8811 - SHAFT ASSY., CONTROL LINK OPERATING												
		A SHAFT ASSY. INCLUDES PIN IN 2.8811.												
6C	5127757	SHAFT ASSY.				1				1	1	1	1	1
6C	5127758	SHAFT ASSY.									1			
	5150894	PIN, LINK (2.7315)				2				2	4	2	2	2
6C	5127441	BUSHING				1				1		1	1	1
6C	274694	RING, RETAINING				1				1	2	1	1	1
6C	5127612	RING, SEAL				1				1		1	1	1
6C	5182977	RING, SEAL (3.3055)				1				1		1	1	1
6C	5123453	SEAL									2			
6C	5127647	BEARING, SPHERICAL									2			
6C	5187641	WASHER (25/64"X1 1/8"X1/16") (1.7605)				1				1	2	1	1	1
6C	5197150	WASHER (17/32"X25/64"X.0329") (2.7145)				1				1		1	1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 189	529	541	542	543	549	552	560	566	570	571	574
		2.8815 - GEAR AND SLEEVE ASSY., GOVERNOR DRIVE												
6B,C	**5112096**	GEAR (16 TEETH) (2.8795)		1		1	1	1	1	1	1	1	1	1
		2.8820 - SHAFT, GOVERNOR DRIVE												
6B,C	**5126095**	SHAFT (3.2" L.)				1	1	1	1	1	1	1	1	1
		2.8830 - BEARING, GOV. DRIVE THRUST												
6B,C	**954498**	BEARING (N.D. 3202L1A) (2.8810)		1		1	1	1	1	1	1	1	1	1
		2.8905 - RESERVOIR ASSY., GOV. OIL												
	5574785	RESERVOIR												1
	5121182	PLUG (SIDE INLET)												1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)												AR
	102635	NUT, 3/8"-16 HEX. (12.9120)												2
		2.8907 - BRACKET, GOV. OIL RESERVOIR												
	5103972	BRACKET												1
	5134500	BOLT, 5/16"-18X1" (NYLON INSERT)												3
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)												2
	103320	LOCKWASHER, 5/16" (12.9200)												3
	103321	LOCKWASHER, 3/8" (12.9200)												2
	117049	NUT, 3/8"-24 HEX. (12.9120)												2
		2.8910 - TUBE, GOV. OPERATING PRESSURE												
	5128849	TUBE (12.70" DEV. L.)		1		1						1		
	5128145 @	TUBE (12.30" DEV. L.)		1					1					
	5128669	TUBE (CYLINDER BLOCK TO FILTER)					1	1		1				
	5128670	TUBE (FILTER TO GOVERNOR)					1	1		1				
6D	**5108234** *	TUBE (GOVERNOR INLET) (SD-29)									1			
	5125751	TUBE (CYLINDER BLOCK TO FILTER)											1	
	5129469 *	TUBE (FILTER TO GOVERNOR)											1	
	5129470 *	TUBE (FILTER TO GOVERNOR)											1	
	5100184	TUBE (RESERVOIR OIL SUPPLY)												1
	5100329 *	TUBE (GOVERNOR OIL SUPPLY) (SD-29)												1
	5183190	TUBE (RESERVOIR SUCTION)												1
	5100330 *	TUBE (RESERVOIR OVERFLOW) (SD-29)												1
	5110604	HOSE, FLEX. (13"L.)	1		1									
	9432337	ELBOW, 1/4" INV. FL. TUBE 90 DEG.,	1											

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 189	529	541	542	543	549	552	560	566	570	571	574
		2.8910 - TUBE, GOV. OPERATING PRESSURE (CONT'D)												
		1/4" P.T. (12.9480)												
	225810	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)	1											
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)			1									
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)		1		1	1	1	1	1		1	1	1
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)		1		1	1	1	1	1	1	1	1	2
	118754	ELBOW, 5/16"-90 DEG. FL. TUBE (12.9390)			1									
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG., 1/4" P.T. (12.9480)					2	2		2	1		1	1
	5157992	ELBOW (5/16" INV. FL. TUBE REST.)												1
	187321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	1											
	9432264	CONNECTOR, 5/16"X1/4" INV. FL. TUBE (12.9460)											1	
	5195202	SLEEVE, OIL INLET									1			
	5156913	GASKET, SLEEVE (2.8210)									1			
	2191274	EXTENSION (1/2"-20) (2.5210)											1	
	5159490	CLIP, TUBE									1			
	5182629	CLIP (12.4080)											1	
	116524	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)					2	2		2			2	
	144033	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)	1											
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)			1						1			
	180143	BOLT, 7/16"-14X3/4" (12.9001)									1			
	5150568	WASHER (7/16" COPPER) (12.9190)									1			
		* NOT SERVICED; CUSTOMER TO FABRICATE. REFER TO SECTION 12.8000B.												
		@ OBSOLETE												
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID												
6D	5189413	VALVE ASSY., 24V. (NORMALLY OPEN) (7.4652)												1
6D	5134064	VALVE ASSY., 24V. (NORMALLY CLOSED) (7.4652)												1
		2.8917 - BRACKET, GOVERNOR OPERATING SOLENOID VALVE												
6D	5103971	BRACKET (EFF. WITH 16VA-064)												1
	117277	SCREW, #10-24X2 1/4" (12.9025)												2
	5109317 *	BOLT, #10-24" "U"												1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 189	529	541	542	543	549	552	560	566	570	571	574
	2.8917	**- BRACKET, GOVERNOR OPERATING SOLENOID VALVE(CONT'D)**												
	120217	LOCKWASHER, 3/8" (12.9200)												4
	110633	NUT, #10-24 HEX. (12.9120)												4
		* OBSOLETE												
	2.8945	**- ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK**												
6B	**5126098**	ADAPTOR (2.7834)		2		2	2	2						
6C	**5124333**	COVER (CONTROL LINK) (2.7030)				2				2	4	2	2	2
6B,C	**5123812**	GASKET (2.7020)		2		2	2	2	2	2	4	2	2	2
6C	**186676**	BOLT, 1/4"-20X5/8" (12.9001)				4				4	8	4	4	4
6B	**454894**	BOLT, 1/4"-20X3/4" (12.9001)		4			4	4	4					
	120392	WASHER, 1/4" FLAT (12.9190)				4				4	8	4	4	4
6B,C	**120380**	LOCKWASHER, 1/4" (12.9200)		4		4	4	4	4	4	8	4	4	4
	2.8950	**- BOOT, INJECTOR CONTROL TUBE LINK**												
6B	**5121385**	BOOT (2.7834)		2			2	2	2					
6C	**5104527**	HOSE (1"I.D.X.80"L.)				2				2	4	2	2	2
6C	**5104592**	CLAMP, HOSE (1" (12.9660)				2				2	4	2	2	2
	2.8965	**- BELL CRANK ASSY., GOVERNOR OPERATING**												
		AN ASSY. INCLUDES FITTING IN 2.8965 AND BEARING IN 2.8967.												
6B	**5126872** *	BELL CRANK ASSY.		1		1	1	1						
6C	**5127422**	LEVER (CONTROL LINK SHAFT)				1				1		1	1	1
6C	**5127379**	LEVER (CONTROL LINK SHAFT)									1			
6B	**191758**	FITTING, 1/8" (12.9540)		1			1	1	1					
6B	**5176667**	RETAINER (2.7150)		2			2	2	2					
6C	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)				1				1	2	1	1	1
6B	**5126871** *	BOLT, 3/8"-16 SPECIAL (2.7823)		1			1	1	1					
6C	**180021**	BOLT, 1/4"-20X3/4" (12.9001)		1		1	1	1		1	4	1	1	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)		2		3	2			1	2	2	2	2
6C	**120380**	LOCKWASHER, 1/4" (12.9200)		AR		AR	AR	AR		AR		AR	AR	AR
	103320	LOCKWASHER, 5/16" (12.9200)		AR		AR	AR	AR		AR	AR	AR	AR	AR
		* OBSOLETE												
	2.8967	**- BEARING, GOVERNOR OPERATING BELL CRANK**												
6B	**148458**	BEARING, ROD END (2.9022)		1			1	1	1					

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 189	529	541	542	543	549	552	560	566	570	571	574
		2.8970 - LINK, GOVERNOR OPERATING LEVER TO BELL CRANK												
6B	5187767 *	LINK (5/16"X4 3/4"L.)		1		1	1	1		1	1	1	1	1
6C	5127420	LINK (5/16"X5 7/8"L.)				1				1	1	1	1	1
6B	5120472	BEARING, ROD END (2.9022)		2		1	2	2	2	1	1	1	1	1
6B,C	186625	BOLT, 5/16"-18X7/8" (12.9001)		2		2	2	2	2	2	2	2	2	2
6B,C	103320	LOCKWASHER, 5/16" (12.9200)		2		2	2	2	2	2	2	2	2	2
6B,C	114493	NUT, 5/16"-24 HEX. (JAM) (12.9120)		1		1	1	1	1	1	1	1	1	1
		* OBSOLETE												
		2.8975 - LEVER, GOVERNOR OPERATING SHAFT												
6B	5126104 *	LEVER (2.7280)		1			1	1	1					
6C	5173874	LEVER				1				1	1	1	1	1
6B	5120472	BEARING, ROD END (2.9022)		2			2	2	2					
6C	5127470	BEARING, ROD END				1				1	1	1	1	1
6B,C	180021	BOLT, 1/4"-20X3/4" (12.9001)		1		1	1	1	1		1	1	1	1
6B,C	186625	BOLT, 5/16"-18X7/8" (12.9001)		3			3	3	3	2	2	2	2	2
6B	186654	BOLT, 5/16"-24X1 1/8" (12.9001)		1			1	1	1					
6B,C	120380	LOCKWASHER, 1/4" (12.9200)		AR		AR	AR	AR	AR		AR	AR	AR	AR
6B,C	103320	LOCKWASHER, 5/16" (12.9200)		AR			AR	AR	AR	AR	AR	AR	AR	AR
6B,C	114493	NUT, 5/16"-24 HEX. (JAM) (12.9120)		1			1	1	1	1	1	1	1	1
6B,C	121928	NUT, 5/16"-24 HEX. L.H. (JAM) (12.9120)				1				1		1	1	1
		* OBSOLETE												
		2.8985 - FILTER ASSY., OIL												
		INCLUDES ELEMENT IN 2.8986 AND GASKET IN 2.8987.												
	5119730	FILTER ASSY. (FULL FLOW) (4.2240)					1	1		1			1	
	181595	BOLT, 5/16"-24X3/4" (12.9001)					4	4		4				
	186627	BOLT, 3/8"-24X1" (12.9001)											4	
	120393	WASHER, 5/16" FLAT (12.9190)					4	4		4				
	103341	WASHER, 3/8" FLAT (12.9190)											4	
	103320	LOCKWASHER, 5/16" (12.9200)					4	4		4				
	103321	LOCKWASHER, 3/8" (12.9001)											4	
	114493	NUT, 5/16"-24 HEX. (12.9120)					4	4		4				
	117049	NUT, 3/8"-24 HEX. (12.9120)											4	
		2.8986 - ELEMENT, OIL FILTER												
	9023829	ELEMENT (4.2250)					1	1		1			1	
		2.8987 - GASKET, OIL FILTER ELEMENT												
	2374427	GASKET (4.2260)					1	1		1			1	

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 189	529	541	542	543	549	552	560	566	570	571	574
		2.8995 - BRACKET, OIL FILTER MOUNTING												
	5128671 *	BRACKET					1	1		1			1	
	5125828	BRACKET											1	
	5128035	GASKET											2	
	179839	BOLT, 3/8"-16X1" (12.9001)					3	3		3				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)					AR	AR		AR			AR	
	103321	LOCKWASHER, 3/8" (12.9200)												

* OBSOLETE.

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 579	586	607	616	629	632	633	634	636	638	640
		2.8030 - GOVERNOR ASSY.											
		PSG GOVERNORS SERVICED BY DDAD AS AN ASSY. ONLY. FOR COMPONENT PARTS CONTACT WOODWARD GOVERNOR CO., ROCKFORD, ILLINOIS. FURNISH THEIR ASSY. PART NUMBER AS SHOWN IN PARENTHESES. REFER TO ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.											
	5108304	@ GOVERNOR ASSY. (SGXA) (PAGE A1)											1
	5196850	+ GOVERNOR ASSY. (PSG, 110V.) (#370682)						1					
	5143735	GOVERNOR ASSY. (PSG) (#8560-287)						1					
	5127995	GOVERNOR ASSY. (PSG) (#370630)				1	1		1				
	5129758	# GOVERNOR ASSY. (SGX) (PAGE A1)			1								
	5108306	@ GOVERNOR ASSY. (SGX) (PAGE A1)			1							1	
	5100114	# GOVERNOR ASSY. (SGX) (PAGE A1)	1	1									
	5108307	@ GOVERNOR ASSY. (SGX) (PAGE A1)	1	1									
	5109348	GOVERNOR ASSY. (SGX) (WITH 24V. MOTOR) (PAGE A1)								1			
	5162911	GOVERNOR ASSY. (SGX) (WITH 115V. MOTOR) (PAGE A1)									1		
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)	4	4	4					4	4	4	4
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)				4	4	4	4				
	120393	WASHER, 5/16" (12.9190)			7								
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4
		* FIG. 13D OF 1.0000.											
		# THRU 6VA-11943, 8VA-3044, 12VA-1291, 16VA-039. NOT SERVICED AS AN ASSY. COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE GOVERNOR ASSY. MARKED "@"											
		@ EFFECTIVE WITH 6VA-11944, 8VA-3045, 12VA-1292, 16VA-040.											
		2.8035 - GASKET, GOVERNOR TO BLOWER											
6B,C	**5126499**	GASKET (3.4190)	2	2	1	2	1	1	1	2	1	2	1
	3224773	GASKET (TO GOVERNOR COVER) (2.8760)	1	1	1	1	1			1	1	1	1
		2.8182 - MOTOR ASSY., GOVERNOR SYNCHRONIZING											
	5196853	MOTOR ASSY. (110V.) (BODINE)						1					
	5198168	DISC, FRICTION						1					
	5195386	* DISC, FRICTION						1					
	5195389	SCREW (#10-32X7/8" FIL. HD.)						4					
	5195390	SCREW, SET (#6-32)						1					

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 579	586	607	616	629	632	633	634	636	638	640
		2.8182 - MOTOR ASSY., GOVERNOR SYNCHRONIZING(CONT'D)											
	5198169	WASHER, FRICTION DISC						1					
	5195388	WASHER, SPRING						1					
	116089	WASHER, 3/8" FLAT COPPER						4					
	5195609	LOCKWIRE						AR					
		* NOT SERVICED, REPLACE WITH 5198168 DISC AND INCLUDE 1-5198169 WASHER.											
		2.8530 - SPRING, GOVERNOR SPEEDER											
6A	5196854	SPRING						1					
		2.8750 - DRIVE ASSY., GOVERNOR											
		CONSISTS OF ITEMS IN 2.8780 THRU 2.8830.											
	5109156 #	DRIVE ASSY.			1		1	1	1		1		1
	5127791 *	DRIVE ASSY.			1								
	5127792 *	DRIVE ASSY.(ON REAR BLOWER)	1	1		1							
	5127993 *	DRIVE ASSY. (ON FRONT BLOWER)	1	1		1							
	5109137 #	DRIVE ASSY. (ON REAR BLOWER)	1	1		1				1		1	
	5109136 #	DRIVE ASSY. (ON FRONT BLOWER)	1	1		1				1		1	
6B	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	12	12	6	12	6	6	6	12	6	12	6
6C	186271	BOLT, 5/16"-18X3 3/4" (12.9001)	2	2	1	2	1	1	1	2	1	2	1
6C	186272	BOLT, 5/16"-18X4" (12.9001)	2	2	1	2	1	1	1	2	1	2	1
6C	186274	BOLT, 5/16"-18X5" (12.9001)	2	2	1	2	1	1	1	2	1	2	1
6C	272545	BOLT, 5/16"-18X5 1/4" (12.9001)	2	1	1	2	1	1	1	2	1	2	1
	5155596	WASHER, 5/16" COPPER (4.7120)	6	6	3	6	3	3	3	6	3	6	1
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# EFFECTIVE WITH 6VA-11944, 8VA-4133, 12VA-1424 IN TYPE 542, 12VA-760 IN TYPE 574 AND 16VA-064.											
		* THRU 6VA-11943, 8VA-4132, 12VA-1423 IN TYPE 542, 12VA-759 IN TYPE 574 AND 16VA-063. NOT SERVICED AS AN ASSY. COMPONENTS ARE AVAILABLE. FOR REPLACEMENT USE DRIVE ASSY. MARKED "#" AND INCLUDE 5109159 OR 5109148 COV ER IN 2.8780.											
		2.8760 - GASKET, DRIVE TO GOVERNOR											
	3224773	GASKET (1 9/16" HOLE) (2 1/4" SQUARE)						1	1				

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5079	5086	6071	6161	6291	6332	6334	6338	6338	6340
		2.8780 - HOUSING, GOVERNOR DRIVE										
6C	5107278	HOUSING ASSY. (INCLUDES BUSHING)			1		1	1	1	1		1
6C	5127235	* HOUSING (REAR)	1	1		1					1	
6C	5127976	@ HOUSING (FRONT)	1	1		1			1		1	
6C	5109131	HOUSING (REAR)	1	1		1			1		1	
6C	5131244	HOUSING (FRONT)	1	1		1			1		1	
6C	5124332	COVER (TUBE) (CONTROL LINK) (2.7230)	4	4	2	4	2	2	2	4	2	4	2
6C	5109159	# COVER (REAR ON 16V)	1	1	1		1	1		1	1	1	1
6C	5109149	& COVER	1	1		1				1		1	
	5152716	% COVER, FUEL PUMP HOLE (3.4223)	1	1		1				1		1	
6C	5108756	+ COVER (WITH BRACKET) (REAR)	1	1		1							
	5100144	* COVER (WITH BRACKET)							1				
6C	5127424	& GASKET, COVER (2.8760)	2		1	2	1	1	1	2	1	2	1
	5150193	& GASKET (5.1010)	1	1		1				1		1	
	5150942	PIN, DOWEL (2.7230)	4	4	2	4	2	2	2	4	2	4	2
	5121182	PLUG, 1/4" PIPE (12.9550)					1	1	1		1		
	5145009	PLUG, 1/8" PIPE (12.9550)	1	1		1			1	1			
	5118219	% BOLT AND SEAL ASSY. (FUEL PUMP HOLE COVER) (2.2001)	3	3		3				3		3	
6C	186625	BOLT, 5/16"-18X7/8" (12.9001)	6	6	2	6	2	2	2	6	2	6	
6C	186629	BOLT, 5/16"-18X1" (12.9001)	2	2		2				2		2	2
6B,C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* THRU 16VA-058; NOT SERVICED USE 5109131 AND INCLUDE 1-5109159 COVER.											
		@ THRU 16VA-058; NOT SERVICED USE 5131244 AND INCLUDE 1-5109149 COVER.											
		& NOT PART OF DRIVE ASSY.											
		# EFF. WITH 16VA-064. NOT PART OF DRIVE ASSY.											
		% EARLY UNITS.											
		+ THRU 16VA-063. NOT PART OF DR. ASM.											
		2.8790 - SHAFT ASSY., GOVERNOR DRIVEN											
		INCLUDES SHAFT IN 2.8795, SLEEVE IN 2.8800 AND BEARING IN 2.8810.											
	5127663	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1	1
		2.8795 - SHAFT, GOVERNOR DRIVEN											
6B,C	3224084	SHAFT	1	1	1	1	1	1	1	1	1	1	1
6B,C	274900	RING, RETAINING	1	1	1	1	1	1	1	1	1	1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 579	586	607	616	629	632	633	634	636	638	640
		2.8800 - SLEEVE, GOVERNOR DRIVEN SHAFT											
6C	**5127664**	SLEEVE	1	1	1	1	1	1	1	1	1	1	1
		2.8810 - BEARING, GOV. DRIVEN SHAFT											
6B,C	**954498**	BEARING (N.D. 3202L1A)	1	1	1	1	1	1	1	1	1	1	1
		2.8811 - SHAFT ASSY., CONTROL LINK OPERATING											
		A SHAFT ASSY. INCLUDES PIN IN 2.8811											
6C	**5127757**	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1	1
6C	**5127758**	SHAFT ASSY.	1	1									1
	5150894	PIN, LINK (2.7315)	4	4	2	4	2	2	2	4	2	4	2
6C	**5127441**	BUSHING			1		1	1	1		1		1
6C	**274694**	RING, RETAINING	2	2	1	2	1	1	1	2	1	2	1
6C	**5127612**	RING, SEAL			1		1	1	1		1		1
6C	**5182977**	RING, SEAL (3.3055)			1		1	1	1		1		1
6C	**5123453**	SEAL	2	2		2				2		2	
6C	**5127647**	BEARING, SPHERICAL	2	2		2				2		2	
6C	**5187641**	WASHER, (25/64"X1 1/8"X1/16") (1.7605)	2	2	1	2	1	1	1	2	1	2	1
6C	**5197150**	WASHER, (17/32"X25/64"X.0329") (2.7145)			1		1	1	1		1		1
		2.8815 - GEAR AND SLEEVE ASSY., GOVERNOR DRIVE											
6B,C	**5112096**	GEAR (16 TEETH) (2.8795)	1	1	1	1	1	1	1	1	1	1	1
		2.8820 - SHAFT, GOVERNOR DRIVE											
6B,C	**5126095**	SHAFT (3.2"L.)	1	1	1	1	1	1	1	1	1	1	1
		2.8830 - BEARING, GOV. DRIVE THRUST											
6B,C	**954498**	BEARING (N.D. 3202L1A) (2.8810)	1	1	1	1	1	1	1	1	1	1	1
		2.8905 - RESERVOIR ASSY., GOV. OIL											
	5574785	RESERVOIR	1	1		1			1	1		1	1
	5121182	PLUG, (SIDE INLET)							1			1	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							2				

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5779	5866	6071	6161	6291	6332	6333	6334	6336	6338	6340
		2.8905 - RESERVOIR ASSY., GOV. OIL (CONT'D)											
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)	2	2		2							
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)								2		2	2
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR			AR	AR		AR	AR
	117049	NUT, 3/8"-24 HEX. (12.9120)	2	2		2			2	2		2	2
		2.8907 - BRACKET, GOV. OIL RESERVOIR											
	5103972	BRACKET	1							1		1	1
	5134500	BOLT, 5/16"-18X1" (NYLON INSERT)	3							3		3	3
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	2										
	103320	LOCKWASHER, 5/16" (12.9200)	3							3		3	3
	103321	LOCKWASHER, 3/8" (12.9200)	2										
	117049	NUT, 3/8"-24 HEX. (12.9120)	2										
		2.8910 - TUBE, GOV. OPERATING PRESSURE											
	5128849	TUBE (12.70" DEV. L.)			1						1		
	5125751	TUBE (CYLINDER BLOCK TO FILTER)				1	1	1	1				
	5129469	* TUBE (FILTER TO GOVERNOR)					1						
	5129470	* TUBE (FILTER TO GOVERNOR)					1						
	5100184	TUBE (RESERVOIR OIL SUPPLY)										1	1
	5183190	TUBE (RESERVOIR SUCTION)	1	1		1			1	1		1	1
	5100275	@ * TUBE (RSVR OIL SUPPLY) (SD-29)	1	1									
6D	5100142	@ * TUBE (GOVERNOR INLET)	1	1									
6D	5108849	@ TUBE (GOVERNOR TO SOLENOID VALVE)	1	1									
	5100185	@ * TUBE (RESERVOIR DUMP) (SD-29)	1	1		1							
	5100186	@ * TUBE (GOVERNOR DUMP)	1	1									
	5109341	# * TUBE (RSVR OIL SUPPLY) (SD-29)	1	1						1		1	
6D	5109322	# TUBE (GOVERNOR INLET)	1	1						1		1	
6D	5109306	@ TUBE (GOVERNOR TO SOLENOID VALVE)	1	1									1
	5109326	# * TUBE (RESERVOIR DUMP) (SD-29)	1	1						1		1	
	5109319	# TUBE (GOVERNOR DUMP)	1	1									1
	5108262	* TUBE (FILTER TO RESERVOIR) (SD-29)				1							
	5109823	* TUBE (RESERVOIR TO GOVERNOR) (SD-29)				1							
	5129471	* TUBE (FILTER TO GOVERNOR)					1	1					
	5108687	* TUBE (FILTER TO RESERVOIR)							1				
	5109323	* TUBE (GOVERNOR INLET) (SD-29)							1				
	5109856	TUBE (GOVERNOR DUMP)							1				
	5109857	TUBE (VALVE TO TEE)							1				
	5108665	TUBE (RESERVOIR OVERFLOW)							1				
	5109305	* TUBE (RESERVOIR TO VALVE)											1
	5109321	TUBE (VALVE TO GOVERNOR INLET)											1
	5109325	TUBE (RESERVOIR OVERFLOW)											1
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG.			1	1	1	1	1		1		1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 579	586	607	616	629	632	633	634	636	638	640
		2.8910 - TUBE, GOV. OPERATING PRESSURE (CONT'D)											
		(12.9480)											
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)			1	2	1	1	2	2	1	2	3
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG., 1/4" P.T. (12.9480)	3	3		2	1	1	3	2		2	5
	5157992	ELBOW (5/16" INV. FL. TUBE) (RESTRICTED)1/4" P.T. (12.9480)	1	1		1				1		1	1
	9432264	CONNECTOR, 5/16"X1/4" INV. FL. TUBE (12.9460)	1	1		1	1	1	1				
	442322	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	2	2					1				
	5126307	CONNECTOR, RESTRICTED (.055")							1				
	173203	TEE, 5/16" TWO WAY INV. FL. TUBE (12.9490)	1	1					1				1
	5126395	TEE, 5/16" INV. FL. TUBE			1								
	5195202	SLEEVE, OIL INLET			1								
	5156913	GASKET, SLEEVE (2.8210)							1				
	105451	GASKET, 13/32" COPPER (12.9360)				1	1	1	1				
	2191274	EXTENSION (1/2"-20) (2.5210)	1	1			1	1					
	5159490	CLIP, TUBE											
	5182629	CLIP (12.4080)				1	1						
	5187568	CLIP, 5/16" (2.5220)							2				
	5163529	CLIP, 5/16"								1		1	
	5159490	CLIP, 5/16"X3/8" (7.4076)											
	116524	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)					2	2	2	2			
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)	1	1						1		1	
	114697	+ BOLT, 3/8"-16X1/2" (12.9001)				1			1				
	180143	BOLT, 7/16"-14X3/4" (12.9001)	1	1						1		1	
	5150568	WASHER, (7/16" COPPER) (12.9190)	1	1						1		1	
	103321	LOCKWASHER, 3/8" (12.9200)				1			1				
		* THRU 16VA-054.											
		@ OBSOLETE.											
		+ OBSOLETE.											
		# EFF. WITH-16VA-055.											
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID											
6D	5189413	VALVE ASSY., 24V. (NORMALLY OPEN) (7.4652)											1
6D	5134064	VALVE ASSY., 24V. (NORMALLY CLOSED) (7.4652)	1										1
6D	5100165	VALVE ASSY., 32V. (NORMALLY CLOSED)	1										
6D	5134104	VALVE ASSY., 12V. (NORMALLY CLOSED)		1									
6D	5162735	VALVE ASSY., 24V. (NORMALLY OPEN)							1				

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5779	5886	6071	6166	6299	6332	6333	6334	6336	6338	6340
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID (CONT'D)											
	132947	SCREW, #10-32X2 1/2" RD. HD. (12.9025)							2				2
	120391	WASHER, #10 FLAT (12.9190)							2				2
	120217	LOCKWASHER, #10 (12.9200)							2				2
	120614	NUT, #10-32 HEX. (12.9120)							2				2
		2.8917 - BRACKET, GOVERNOR OPERATING SOLENOID VALVE											
6D	5103971	BRACKET (EFF. WITH 16VA-064)	1	1					1				1
6D	5108757	BRACKET (THRU 16VA-063)	1	1									
	117277	SCREW, #10-24X2 1/4" (12.9025)	2	2									
	5109317	BOLT, #10-24" "U"											1
	120217	LOCKWASHER, 3/8" (12.9200)	2	2									4
	110633	NUT, #10-24 HEX. (12.9120)	2	2									4
		2.8945 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK											
6C	5124333	COVER (CONTROL LINK) (2.7030)	4	4	2	4	2	2	2	4	2	4	2
6B,C	5123812	GASKET (2.7020)	4	4	2	4	2	2	2	4	2	4	2
6C	186676	BOLT, 1/4"-20X5/8" (12.9001)	8	8	4	8	4	4	4	8	4	8	4
	120392	WASHER, 1/4" FLAT (12.9190)	8	8	4	8	4	4	4	8	4	8	4
6B,C	120380	LOCKWASHER, 1/4" (12.9200)	8	8	4	8	4	4	4	8	4	8	4
		2.8950 - BOOT, INJECTOR CONTROL TUBE LINK											
6C	5104527	HOSE (1"I.D.X.80" L.)	4	4	2	4	2	2	2	4	2	4	2
6C	5104592	CLAMP, HOSE 1" (12.9660)	4	4	2	4	2	2	2	4	2	4	2
		2.8965 - BELL CRANK ASSY., GOVERNOR OPERATING											
		AN ASSY. INCLUDES FITTING IN 2.8965 AND BEARING IN 2.8967.											
6C	5127422	LEVER (CONTROL LINK SHAFT)			1		1	1	1		1		1
6C	5127379	LEVER (CONTROL LINK SHAFT)	1	1		1				1		1	
6C	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	2	2	2	2	1	1	1	2	1	2	1
6C	180021	BOLT, 1/4"-20X3/4" (12.9001)	4	4		4	1	1	1	4	1	4	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2									
6C	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR									

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 579	586	607	616	629	633	632	634	636	638	640
		2.8970 - LINK, GOVERNOR OPERATING LEVER TO BELL CRANK											
6C	**5127420**	LINK (5/16"X5 7/8"L.)	1	1	1	1	1	1	1	1	1	1	1
6C	**5120472**	BEARING, ROD END (2.9022)	1	1	1	1	1	1	1	1	1	1	1
6B,C	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	2	2		2	2	2	2	2	2	2	2
6B,C	**103320**	LOCKWASHER, 5/16" (12.9200)	2	2		2	2	2	2	2	2	2	2
6B,C	**114493**	NUT, 5/16"-24 HEX. (JAM) (12.9120)	1	1		1	1	1	1	1	1	1	1
		2.8975 - LEVER, GOVERNOR OPERATING SHAFT											
6C	**5173874**	LEVER	1		1	1	1	1	1	1	1	1	1
6C	**5124504**	LEVER, CONTROL (R.H.) (2.7170)	1	1		1							
6C	**5127470**	BEARING, ROD END	1	1	1	1	1	1	1	1	1	1	1
6B,C	**180021**	BOLT, 1/4"-20X3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1
	413546	BOLT, 1/4"-20X1" (12.9001)	1	1						1			
6B,C	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	2	2	2	1							
6B,C	**120380**	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6B,C	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR				AR			
6B,C	**114493**	NUT, 5/16"-24 HEX. (JAM) (12.9120)	1	1	1								
6B,C	**121928**	NUT, 5/16"-24 HEX. JAM (12.9120)	1	1	1	1	1	1	1	1	1	1	1
		2.8985 - FILTER ASSY., OIL											
		INCLUDES ELEMENT IN 2.8986 AND GASKET IN 2.8987.											
	5119730	FILTER ASSY. (FULL FLOW) (4.2240)				1	1	1	1				
	186627	BOLT, 3/8"-24X1" (12.9001)				4	4	4	4				
	103341	WASHER, 3/8" FLAT (12.9190)				4	4	4	4				
	103321	LOCKWASHER, 3/8" (12.9001)				4	4	4	4				
	117049	NUT, 3/8"-24 HEX. (12.9120)				4	4	4	4				
		2.8986 - ELEMENT, OIL FILTER											
	9023829	ELEMENT (4.2250)				1	1	1	1				
		2.8987 - GASKET, OIL FILTER ELEMENT											
	2374427	GASKET (4.2260)				1	1	1	1				
		2.8995 - BRACKET, OIL FILTER MOUNTING											
	5125828	BRACKET				1	1	1	1				
	5128035	GASKET				1	1	1	1				
	179839	BOLT, 3/8"-16X1" (12.9001)				2	2	2	2				

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 579	586	607	616	629	632	633	634	636	638	640
	2.8995	- BRACKET, OIL FILTER MOUNTING (CONT'D)											
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR	AR	AR				

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 642	644	647	657	658	664	669	675	676	678	680	681
		2.8025 - SHAFT, GOVERNOR DRIVE (FLEXIBLE)												
		▪ FOR TYPE 673 USE TYPE 1148.▪												
	5130814	@ DRIVE ASSY.							1					
		@ OBSOLETE												
		2.8030 - GOVERNOR ASSY.												
		PSG GOVERNORS SERVICED BY DDAD AS AN ASSY. ONLY. FOR COMPONENT PARTS CONTACT WOODWARD GOVERNOR CO., ROCKFORD, ILLINOIS. FURNISH THEIR ASSY. PART NUMBER AS SHOWN IN PARENTHESES. REFER TO ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
	5143735	GOVERNOR ASSY. (PSG) (#8560-287)					1							
	5108307	GOVERNOR ASSY. (SGX) (PAGE A1)	1					1		1				
	5162911	GOVERNOR ASSY. (SGX) (WITH 115V. MOTOR) (PAGE A1)		1										
	5127995	GOVERNOR ASSY. (PSG) (#370630)			1						1			
	5108304	GOVERNOR ASSY. (SGXA) (PAGE A1)				1								
	5130833	GOVERNOR ASSY. (PSG) (#370886)					1							
	5130879	GOVERNOR ASSY. (SGT)							1					
6D	**5130047**	* GOVERNOR ASSY. (LIMITING SPEED) (PAGE B1)										1		1
	5130180	= GOVERNOR ASSY. (PSG,24V.) (#371001)											1	
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)	4	4		4		4		4		4		4
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)			4		4		4		4		4	
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
		* OBSOLETE.												
		= NOT SERVICED, USE 5101891 AND (1) 193004 ELBOW.												
		2.8035 - GASKET, GOVERNOR TO BLOWER												
6B,C	**5126499**	GASKET (3.4190)	2	1	2	1	1	2	1	2	1	2	1	2
	3224773	GASKET (TO GOVERNOR COVER) (2.8760)	1	1	1	1	1	1	1	1	1	1	1	1
		2.8182 - MOTOR ASSY., GOVERNOR SYNCHRONIZING												
	5195392	MOTOR ASSY. (24V.) (2.9355)											1	
	5195386	* DISC, FRICTION											1	
	5198168	DISC, FRICTION											1	
	5195389	SCREW (#10-32X7/8" FIL. HD.)											1	

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6421	6441	6471	6571	6581	6684	6691	6751	6761	6781	6801	6811
		2.8182 - MOTOR ASSY., GOVERNOR SYNCHRONIZING (CONT'D)												
		(12.9010)												
	5195390	SCREW, SET (#6-32) (2.8040)											1	
	5198169	WASHER, FRICTION DISC (2.8040)											1	
	5195388	WASHER, SPRING (2.8040)											1	
	116089	WASHER, 3/8" FLAT COPPER (12.9190)											1	
	5195609	@ LOCKWIRE											1	
		* NOT SERVICED, REPLACE WITH 5198168 DISC AND 1-5198169 WASHER.												
		@ OBSOLETE.												
		2.8530 - SPRING, GOVERNOR SPEEDER												
6A	5196854	SPRING											1	
		2.8750 - DRIVE ASSY., GOVERNOR												
		CONSISTS OF ITEMS IN 2.8780 THRU 2.8830.												
	5109137	DRIVE ASSY. (ON REAR BLOWER)	1		1			1		1		1		1
	5109136	DRIVE ASSY. (ON FRONT BLOWER)	1		1			1		1				
	5109156	DRIVE ASSY.		1		1	1		1		1		1	
	5131245	DRIVE ASSY. (ON FRONT BLOWER)										1		1
6B,F	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	12	6	12	6	6	12	6	12	6	12	6	12
6C,F	186271	BOLT, 5/16"-18X3 3/4" (12.9001)	2	1	2	1	1	2	1	2	1	2	1	2
6C,F	186272	BOLT, 5/16"-18X4" (12.9001)	2	1	2	1	1	2	1	2	1	2	1	2
6C,F	186274	BOLT, 5/16"-18X5" (12.9001)	2	1	2	1	1	2	1	2	1	2	1	2
6C,F	187512	BOLT, 5/16"-18X5 1/4" (12.9001)	2	1	2	1	1	2	1	2	1	2	1	2
	5155596	WASHER, 5/16" COPPER (12.9190)	6	3	6	3	3	6	3	6	3	6	3	6
6C,F	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.8780 - HOUSING, GOVERNOR DRIVE												
6C	5109131	HOUSING (REAR)	1		1			1		1		1		1
6C	5127235	* HOUSING (REAR)	1		1			1		1				
6C,F	5131244	HOUSING (FRONT)	1		1			1		1		1		1
6C	5127976	+ HOUSING (FRONT)	1		1			1		1				
6C	5107278	HOUSING ASSY. (INCLUDES BUSHING IN 2.8811)		1		1	1		1		1			
6C,F	5124332	COVER (TUBE CONTROL LINK) (2.7230)	4	2	4	2	2	4	2	4	2	4	2	4
6C	5109159	@ COVER (REAR ON 16V.) (2.8040)	1	1	1	1	1	1	1	1	1	1	1	1
6C	5109149	@ COVER (2.8040)	1		1			1		1				
	5152716	@ COVER, HOLE (3.4223)	1		1									

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6642	6644	6647	6657	6658	6664	6669	6675	6676	6678	6680	6681
		2.8780 - HOUSING, GOVERNOR DRIVE (CONT'D)												
6C	**5127424**	@ GASKET, COVER (2.8045)	2	1	2	1	1	2	1	2	1	2	1	2
	5150193	@ GASKET (5.1010)	1		1									
	5150942	PIN, DOWEL (2.7230)	4	2	4	2	2	4	2	4	2	4		4
	5121182	PLUG, 1/4" PIPE (12.9550)		1			1	1	1		1		1	
	5118219	BOLT AND SEAL ASSY. (5.1010)	3		3			3					2	
6C	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	6	2	6	2	2	6	2	6	2	2		2
6C	**186629**	BOLT, 5/16"-18X1" (12.9001)	2		2	2		2		2	2			
6C	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* THRU 16VA-063, NOT SERVICED, USE 5109131 AND INCLUDE 1-5109159 COVER.												
		+ THRU 16VA-063, NOT SERVICED, USE 5131244 AND INCLUDE 1-5109149 COVER.												
		@ NOT PART OF DRIVE ASSY.												
		2.8790 - SHAFT ASSY., GOVERNOR DRIVEN												
		INCLUDES SHAFT IN 2.8795, SLEEVE IN 2.8800 AND BEARING IN 2.8810.												
	5127663	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
		2.8795 - SHAFT, GOVERNOR DRIVE												
6C	**3224084**	SHAFT	1	1	1	1	1	1	1	1	1	1	1	1
6C	**274900**	RING, RETAINING	1	1	1	1	1	1	1	1	1	1	1	1
		2.8800 - SLEEVE, GOVERNOR DRIVEN SHAFT												
6C	**5127664**	SLEEVE	1	1	1	1	1	1	1	1	1	1	1	1
		2.8810 - BEARING, GOVERNOR DRIVEN SHAFT												
6C	**954498**	BEARING (N.D. 3202L1A)	1	1	1	1	1	1	1	1	1	1	1	1
		2.8811 - SHAFT ASSY., CONTROL LINK OPERATING												
		A SHAFT ASSY. INCLUDES PINS IN 2.8811.												
6C	**5127757**	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
6C,F	**5131234**	* SHAFT ASSY.										1		1
	5150894	PIN, LINK (2.7315)	4	2	4	2	2	4	2	4	2	5	2	5

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 642	644	647	657	658	664	669	675	676	678	680	681
		2.8811 - SHAFT ASSY., CONTROL LINK OPERATING (CONT'D)												
6C,F	274694	RING, RETAINING	2	1	2	1	1	2	1	2	1	2	1	2
6C	5182977	RING, SEAL (3.3055)		1		1	1		1		1		1	
6C,F	5123453	SEAL	2		2			2		2		2		2
6C,F	5127647	BEARING, SPHERICAL	2		2			2		2		2		2
6C	5127441	BUSHING		1		1	1		1		1		1	
6C	5197150	WASHER (17/32"X25/64"X.0329") (2.7145)		1		1	1		1		1		1	
6C,F	5187641	WASHER, 25/64"X1 1/8"X1/16" (1.7609)	2	1	2	1	1	2		2	1	2		2
		* OBSOLETE												
		2.8815 - GEAR AND SLEEVE ASSY., GOVERNOR DRIVE												
6C	5112096	GEAR (16 TEETH) (2.8795)	1	1	1	1	1	1	1	1	1	1	1	1
		2.8820 - SHAFT, GOVERNOR DRIVE												
6C	5126095	SHAFT (3.2" L.)	1	1	1	1	1	1	1	1	1	1	1	1
		2.8830 - BEARING, GOVERNOR DRIVE THRUST												
6C	954498	BEARING (N.D. 3202L1A) (2.8810)	1	1	1	1	1	1	1	1	1	1	1	1
		2.8905 - RESERVOIR ASSY., GOVERNOR OIL												
	5574785	RESERVOIR	1	1	1	1		1		1	1	1		1
	444692	PLUG, 1/4" PIPE (12.9550)								1				
	5121182	PLUG, 1/4" PIPE (12.9550)									1			
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	2	2	2	2		2		2	2	2		2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2		2		2	2	2		2
	117049	NUT, 3/8"-24 HEX. (12.9120)	2	2	2	2		2		2	2	2		2
		2.8907 - BRACKET, GOVERNOR OIL RESERVOIR												
	5103972	BRACKET	1	1	1	1		1		1	1	1		1
	5134500	BOLT, 5/16"-18X1" (NYLON INSERT)	3	3	3	3		3		3	3	3		3
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE												
	5109341	* TUBE (RESERVOIR OIL SUPPLY) (SD-29)	1							1				
6D	5109306	* TUBE (GOVERNOR TO SOLENOID VALVE)	1			1		1		1		1		1
	5109319	TUBE (SOLENOID VALVE DUMP)	1			1		1		1		1		1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6421	6444	6447	6557	6558	6664	6669	6675	6676	6678	6680	6681
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE (CONT'D)												
6D	5109322	TUBE (GOVERNOR OIL INLET)	1	1		1		1		1		1		1
	5183190	TUBE (RESERVOIR SUCTION)	1	1	1	1		1		1	1	1		1
	5109326	* TUBE (RESERVOIR DUMP) (SD-29)	1	1	1					1				
	5128849	TUBE (12.70" DEV. L.)		1					1					
	5143754	TUBE (RESERVOIR OIL SUPPLY)				1								
	5100184	TUBE (RESERVOIR OIL SUPPLY)		1				1				1		1
	5109836	TUBE (FILTER TO RESERVOIR)			1									
	5109323	@ TUBE (RESERVOIR TO GOVERNOR)			1						1			
	5125751	TUBE (CYLINDER BLOCK TO FILTER)			1		1				1		1	
	5109325	TUBE (RESERVOIR DUMP)				1		1			1	1		1
	5129470	@ TUBE (FILTER TO GOVERNOR)					1							
	5129469	@ TUBE (FILTER TO GOVERNOR)											1	
	5108687	TUBE (FILTER TO RESERVOIR)									1			
	225815	ELBOW, 5/16" INV. FL. TUBE (12.9480)	2	3	2	2	1	3	3	2	2	2	1	2
	5157992	ELBOW, 5/16" INV. FL. TUBE (REST.)	1	1	1	1		1		1	1	1		1
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)		2	1	1	1	1	1	1	2	1	1	1
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	4	1	3	3	1	3		4	2	3	1	3
	5126391	TEE, 5/16" INV. FL. TWO WAY (7.4596)	1			1		1		1		1		1
	2191274	EXTENSION (1/2"-20) (2.5210)			1		1				1		1	
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)	1							1				
	116524	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)			2		2				2		2	
	9432264	CONNECTOR, 5/16"X1/4" INV. FL. TUBE			1						1		1	
	5159490	CLIP, 5/16"X3/8" (7.4076)	1							1				
	5187568	CLIP, 5/16" (2.5220)			1									
	5182629	CLIP, 5/16" (12.4080)					1						1	
	5163529	CLIP, 5/16" DIA.									2			
	105451	GASKET									1			
	114697	+ BOLT, 3/8"-16X1/2" RD. HD. (12.9025)			1						1			
	180143	BOLT, 7/16"-14X3/4" (12.9001)	1							1				
	5150568	WASHER, 7/16" COPPER (12.9190)	1							1				
	103321	LOCKWASHER, 3/8" (12.9200)			1						1			
		@ NOT SERVICED; CUSTOMER TO FABRICATE. REFER TO SECTION 12.8000B												
		+ OBSOLETE.												
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID												
6D	5189414	VALVE ASSY., 24V. (NORMALLY CLOSED) (7.4652)	1											
6D	5189413	VALVE ASSY., 24V. (NORMALLY OPEN)										1		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6422	6444	6447	6557	6558	6664	6669	6775	6776	6778	6880	6881
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID (CONT'D)												
		(7.4652)												
6D	**5183142**	VALVE ASSY., 12V. (NORMALLY CLOSED)						1						1
6D	**5100165**	VALVE ASSY., 32V. (NORMALLY CLOSED)								1				
6D	**5162735**	VALVE ASSY., 24V. (NORMALLY OPEN)				1								1
	1996097	* SWITCH, PUSH BUTTON (7.4115)												
	132947	SCREW, #10-32X2 1/2" RD. HD. (12.9025)	2											
	5109317	@ BOLT (U 10-24)				1								
	117277	BOLT, #10-24X2 1/4" FIL. HD. (12.9025)						2		2		2		2
	120391	WASHER, #10 FLAT (12.9190)	2											
	120217	LOCKWASHER, #10 (12.9200)	2			2		2		2		2		2
	110633	NUT, #10-24 HEX. (12.9120)				2		2		2		2		2
	120614	NUT, #10-32 HEX. (12.9120)	2											
		* PROCURE FROM UNITED DELCO.												
		@ OBSOLETE												
		2.8917 - BRACKET, GOVERNOR OPERATING SOLENOID VALVE												
6D	**5103971**	BRACKET	1			1		1		1		1		1
	106261	WASHER, 5/16" FLAT (12.9190)	2			2		2		2		2		2
		2.8945 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
6C	**5124333**	COVER (CONTROL LINK) (2.7030)	4	2	4	2	2	4	2	4	2	4	2	4
6C	**5123812**	GASKET (1.2060)	4	2	4	2	2	4	2	4	2	4	2	4
6C	**186676**	BOLT, 1/4"-20X5/8" (12.9001)		4					4		4		4	
6C	**454894**	BOLT, 1/4"-20X3/4" (12.9001)	8		8	4	4	8		8		8		8
	120392	WASHER, 1/4" FLAT (12.9190)	8	4	8	4	4	8	4	8	4	8	4	8
	120380	LOCKWASHER, 1/4" (12.9200)	8	4	8	4	4	8	4	8	4	8	4	8
		2.8950 - BOOT, INJECTOR CONTROL TUBE LINK												
6C	**5104527**	HOSE (1"I.D.X.80"L.)	4	2	4	2	2	4	2	4	2	4	2	4
6C	**5104592**	CLAMP, HOSE 1" (12.9660)	4	2	4	2	2	4	2	4	2	4	2	4
		2.8955 - SPRING, OPERATING LEVER RETURN												
6D,F	**5131243**	* *SPRING, RETURN*										1		1
		* OBSOLETE												
		2.8965 - BELL CRANK ASSY., GOVERNOR OPERATING												
6C,F	**5127379**	LEVER (CONTROL LINK SHAFT)	1		1			1		1		1		1
6C	**5127422**	LEVER (CONTROL LINK SHAFT)		1		1	1		1		1		1	
6C,F	**103904**	KEY, 3/32"X1/4" WOODRUFF (12.9350)	2	1	2	1	1	2	1	2	1	2	1	2

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 642	644	647	657	658	664	669	675	676	678	680	681
		2.8965 - BELL CRANK ASSY., GOVERNOR OPERATING(CONT'D)												
6C,F	180021	BOLT, 1/4"-10X3/4" (12.9001)	4	1	4	1	1	4	1	4	1	4	1	4
6C,F	120380	LOCKWASHER, 1/4" (12.9200)	4	1	4	1	1	4	1	4	1	4	1	4
		2.8970 - LINK, GOVERNOR OPERATING LEVER TO BELL CRANK												
6C	5127420	LINK (5/16"X5 7/8"L.)	1	1	1	1	1	1	1	1	1		1	
6D,F	5131235	LINK (SHORT)										1		1
6D,F	5131236	LINK (LONG)										1		1
6C	5120472	BEARING, ROD END (2.9022)	1	1	1	1	1	1	1	1	1		1	
6D,F	2090270	COUPLING (2.9430)										1		1
	142583	RETAINER, 13/64" (SPRING) (12.9640)										2		2
6C	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2	2	2	2	2	2	2	2		2	
6C	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2		2	
6F	114492	NUT, 1/4"-28 HEX. (JAM) (12.9120)										1		1
6F	121912	NUT, 1/4"-28 L.H. HEX. (JAM) (12.9120)										1		1
6C	114493	NUT, 5/16"-24 HEX. (JAM) (12.9120)	1	1	1	1	1	1	1	1	1		1	
		2.8973 - HUB, GOVERNOR OPERATING SHAFT												
6D,F	5131118 *	HUB ASSY. (INCLUDES SEAL AND BUSHING)										1		1
6F	5127267	BUSHING (2.7111)										1		1
6F	5197065	SEAL, OIL										1		1
6F	5178870	GASKET (5.2287)										1		1
6F	186629	BOLT, 5/16"-18X1" (12.9001)										2		2
6F	5164294	WASHER (13/32"X7/8"X1/8")										2		2
6F	103320	LOCKWASHER, 5/16" (12.9200)										2		2
		* OBSOLETE												
		2.8975 - LEVER, GOVERNOR OPERATING SHAFT												
6C	5173874	LEVER	1	1	1	1	1	1	1	1	1		1	
6C	5124504	LEVER, CONTROL R.H. (2.7170)	1		1			1		1				
6C,D,F	5131242	LEVER ASSY. (INCLUDES PIN)										1		1
6C	5127470	BEARING, ROD END	1	1	1	1	1	1	1	1	1	1	1	1
	5131239 *	PIN										1		1
6F	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)										1		1
6C	180021	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1	1	1	1	1	1	1		1	
6F	213546	BOLT, 1/4"-20X1" (12.9001)	1		1			1		1		1		1
6F	120380	LOCKWASHER, 1/4" (12.9200)	2	1	2	1	1	2	1	2	1	2	1	2
6C	121928	NUT, 5/16"-24 HEX. L.H. (JAM) (12.9120)	1	1	1	1	1	1	1	1	1		1	
		* OBSOLETE												

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6642	6644	6647	6657	6658	6664	6669	6675	6676	6678	6680	6681
	2.8976	**- HOUSING ASSY., GOVERNOR CONTROL**												
		INCLUDES ITEMS IN 2.8977, 2.8979 AND 2.8980 UNLESS NOTED.												
	5131221	@ HOUSING ASSY.										1		1
6F	**5131231**	* @ PLATE, COVER										1		1
6F	**5131232**	GASKET, PLATE (2.7051)										1		1
6F	**454894**	* BOLT, 1/4"-20X3/4" (12.9001)										9		9
6F	**186629**	BOLT, 5/16"-18X1" (12.9001)										4		4
6F	**106327**	BOLT, 5/16"-18X1 3/8" (12.9001)										2		2
6F	**446202**	* WASHER, 5/16" (12.9190)										1		1
	120380	* LOCKWASHER, 1/4" (12.9200)										8		8
	103320	LOCKWASHER, 5/16" (12.9200)										6		6
		* NOT PART OF 5131221 HOUSING ASSY.												
		@ OBSOLETE												
	2.8977	**- HOUSING ASSY., LIMITING SPEED GOVERNOR**												
		LESS SHAFT AND LEVERS. INCLUDES BEARINGS IN 2.8977.												
6D,F	**5131229**	* HOUSING ASSY.										1		1
6F	**148402**	BEARING, NEEDLE (2.7100)										2		2
		* OBSOLETE												
	2.8979	**- SHAFT ASSY., GOV. THROTTLE**												
		INCLUDES PINS IN 2.8979.												
6F	**5131222**	* SHAFT ASSY.										1		1
6F	**5131223**	* PIN, FULCRUM LEVER										1		1
	113500	PIN, #7X7/8" TAPER (12.9820)										1		1
		* OBSOLETE.												
	2.8980	**- WASHER, GOVERNOR THROTTLE SHAFT**												
6F	**5139456**	SEAL RING (.487"I.D.X.103" THICK) (3.3055)										1		1
6F	**5153060**	RETAINER (2.7150)										2		2
6F	**5174429**	RING, RETAINING (2.7150)										1		1
		* OBSOLETE												
	2.8981	**- LEVER ASSY., GOVERNOR DIFFERENTIAL (LIMITING SPEED)**												
		A LEVER ASSY. INCLUDES PIN AND BEARING IN 2.8981.												
6D,F	**5131238**	LEVER ASSY.										1		1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 642	644	647	657	658	664	669	675	676	678	680	681
		2.8981 - LEVER ASSY., GOVERNOR DIFFERENTIAL (LIMITING SPEED) (CONT'D)												
6F	274694	RING, RETAINING (2.8811)										1		1
	5150894	PIN, LINK (25/32"L) (2.7315)										1		1
6F	9437946	BEARING (2.7440)										2		2
6F	5131225	SPACER										1		1
6F	5151487	WASHER (2.7430)										1		1
		2.8982 - LEVER, GOVERNOR THROTTLE CONTROL												
6D,F	5164318	LEVER (2.9340)										1		1
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)										1		1
6F	180021	BOLT, 1/4"-20X7/8" (12.9001)										1		1
6F	120380	LOCKWASHER, 1/4" (12.9200)										1		1
		2.8983 - SCREW, GOVERNOR BUFFER (LIMITING SPEED)												
6D,F	5131204	SCREW										1		1
6D,F	9414568	NUT, 3/8"-24 HEX. LOCK (12.9140)										1		1
		2.8985 - FILTER ASSY., OIL												
		INCLUDES ELEMENT IN 2.8986 AND GASKET IN 2.8987.												
	5119730	FILTER ASSY. (4.2240)			1		1				1		1	
	186627	BOLT, 3/8"-24X1" (12.9001)			4		4				4		4	
	103341	WASHER, 3/8" FLAT (12.9190)			4		4				4		4	
	103321	LOCKWASHER, 3/8" (12.9200)			4		4				4		4	
	117049	NUT, 3/8"-24 (12.9120)			4		4				4		4	
		2.8986 - ELEMENT, OIL FILTER												
	9023829	ELEMENT (INCLUDES GASKET IN 2.8987) (4.2250)			1		1				1		1	
		2.8987 - GASKET, OIL FILTER ELEMENT												
	2374427	GASKET (4.2300)			1		1				1		1	
		2.8995 - BRACKET, OIL FILTER MOUNTING												
	5125828	BRACKET			1		1				1		1	
	5128035	GASKET			1		1				1		1	
	179839	BOLT, 3/8"-16X1" (12.9001)			2		2				2		1	

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6422	6444	6477	6557	6658	6664	6669	6675	6776	6778	6800	6811
		2.8995 - BRACKET, OIL FILTER MOUNTING (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)			2		2				2		1	

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6841	6871	6891	6901	6911	6981	7000	7021	7051	7081	7091
		2.8030 - GOVERNOR ASSY.											
		PSG AND EGB GOVERNORS SERVICED BY DDA AS AN ASSY. ONLY. FOR COMPONENT PARTS CONTACT WOODWARD GOVERNOR CO., ROCKFORD, ILLINOIS. FURNISH THEIR ASSY. PART NUMBER AS SHOWN IN PARENTHESES. REFER TO ASSEMBLY BREAKDOWN PA GES AS INDICATED BELOW.											
	5143735	GOVERNOR ASSY. (PSG) (#8560-287)						1					
	5162911	GOVERNOR ASSY. (SGX) (WITH 115V. MOTOR) (PAGE A1)			1								
	5127995	GOVERNOR ASSY. (PSG) (#370630)						1					
6D	**5130047**	& *GOVERNOR ASSY. LIM SPD (PAGE B1)*					1				1		
	5130180	= GOVERNOR ASSY. (PSG,24V.) (#371001)								1			
	5196850	@ GOVERNOR ASSY. (PSG, 110V.) (#37062)	1			1							
	5100106	@ GOVERNOR ASSY. (PSG, 32V.) (#370782)		1									
	5130430	GOVERNOR ASSY. (T/C OUTPUT SHAFT) (PAGE B1)							1				
	5132306	# GOVERNOR ASSY. (EGB) (ELECTRIC) (#375898)										1	
	5132973	GOVERNOR ASSY. (SGXA) (PAGE B1)											1
	5132307	& BOX (ELECTRIC GOV. CONTROL)										1	
	5132308	& BOX (ELECTRIC GOV. RESISTOR)										1	
	5132309	POTENTIOMETER, SPEED ADJUSTING										1	
	5143028	& PLUG, AMPHENOL (ELECTRIC GOVERNOR)										1	
	5120364	& CLAMP, AMPHENOL (CABLE)										1	
	103175	STUD, 5/16"-18-24X1 1/2" (12.9117)										4	
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)							4				
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)			4		4				4		4
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	4	4		4		4		4			
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4
	114493	NUT, 5/16"-24 HEX. (12.9120)										4	
		= NOT SERVICED, USE 5101891 AND (1) 193004 ELBOW.											
		@ INCLUDES ITEMS IN 2.8182 AND 2.8530											
		# NOT SERVICED. USE 5146761 GOVERNOR ASSY.											
		& OBSOLETE											
		2.8035 - GASKET, GOVERNOR TO BLOWER											
6B,C	**5126499**	GASKET (3.4190)	2	1	1	1	2	1		1	2	1	2
	3224773	GASKET (TO GOVERNOR COVER) (2.8760)	1	1	1	1	1	1	1	1	1	1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6842	6847	6889	6900	6911	6988	7000	7022	7055	7088	7099
		2.8182 - MOTOR ASSY., GOVERNOR SYNCHRONIZING											
	5195392	MOTOR ASSY.(24V.) (2.9355)								1			
	5196853	MOTOR ASSY. (110V.) (2.9355)	1		1	1							
	5196737	MOTOR ASSY. (32V.) (2.9355)		1									
	5195386 *	DISC, FRICTION	1	1	1	1				1			
	5198168	DISC, FRICTION	1	1	1					1			
	5195389	SCREW (#10-32X7/8" FIL. HD.) (12.9010)	1	1	1	1				1			
	5195390	SCREW, SET (#6-32) (2.8040)	1	1	1	1				1			
	5198169	WASHER, FRICTION DISC (2.8040)	1	1	1					1			
	5195388	WASHER, SPRING (2.8040)	1	1	1	1				1			
	116089	WASHER, 3/8" FLAT COPPER (12.9190)	1	1	1	1				1			
	5195609 @	LOCKWIRE	1	1	1	1				1			
		* NOT SERVICED, REPLACE WITH 5198168 DISC AND INCLUDE 1-5198169 WASHER.											
		@ OBSOLETE.											
		2.8189 - BLOCK, GOV. MOTOR TERMINAL											
	5130186	BLOCK		1									
	5130177	GUARD, TERMINAL BLOCK		1									
	5130190	BRACKET, TERMINAL BLOCK MOUNTING (2.8920)		1									
	100757	SCREW, #8-32X1 1/4" RD. HD. (12.9025)		4									
	106496	LOCKWASHER, #8 (12.9200)		8									
	103092	NUT, #8(12.9120)		8									
		2.8530 - SPRING, GOVERNOR SPEEDER											
6A	5196854	SPRING	1	1	1	1				1			
		2.8750 - DRIVE ASSY., GOVERNOR											
		CONSISTS OF ITEMS IN 2.8780 THRU 2.8830.											
	5109137	DRIVE ASSY. (ON REAR BLOWER)	1				1	1			1		1
	5109136	DRIVE ASSY. (ON FRONT BLOWER)	1					1					1
	5109156	DRIVE ASSY.		1	1	1				1			
	5131245	DRIVE ASSY. (ON FRONT BLOWER)					1				1		
	5132433	DRIVE ASSY.										1	
6B,F	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	12	6	6	6	12	12		6	12	6	12
6C,F	186271	BOLT, 5/16"-18X3 3/4" (12.9001)	2	1	1	1	2	2		1	2	1	2
6C,F	186272	BOLT, 5/16"-18X4" (12.9001)	2	1	1	1	2	2		1	2	1	2
6C,F	186274	BOLT, 5/16"-18X5" (12.9001)	2	1	1	1	2	2		1	2	1	2
6C,F	187512	BOLT, 5/16"-18X5 1/4" (12.9001)	2	1	1	1	2	2		1	2	1	2

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6841	6847	6849	6900	6911	6918	7000	7002	7005	7008	7009
		2.8750 - DRIVE ASSY., GOVERNOR (CONT'D)											
	5155596	WASHER, 5/16" COPPER (12.9190)	6	3	3	3	6	6		3	6	3	6
6C,F	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR
		2.8780 - HOUSING, GOVERNOR DRIVE											
6C	5109131	HOUSING (REAR)					1	1			1		1
6C,F	5131244	HOUSING (FRONT)					1	1			1		1
6C	5107278	HOUSING ASSY. (INCLUDES BUSHING IN 2.8811)		1	1	1				1		1	
6C,F	5124332	COVER (TUBE) (CONTROL LINK) (2.7230)	4	2	2	2	2	4		2	4	2	4
6C	5109159	* COVER (REAR ON 16V.) (2.8040)	1	1	1	1	1	1		1	1	1	1
6C	5109149	* COVER (2.8040)	1					1					1
	5152716	* COVER, HOLE (3.4223)						1					
6C	5127424	* GASKET, COVER (2.8045)	2	1	1	1	2	2		1	2	1	2
	5150193	* GASKET (5.1010)						1					
	5150942	PIN, DOWEL (2.7230)	4	2	2	2	4	4		2	4	2	4
	5118219	BOLT AND SEAL ASSY. (5.1010)						3					
6C	186625	BOLT, 5/16"-18X7/8" (12.9001)	6					6					6
6C	186629	BOLT, 5/16"-18X1" (12.9001)	2	2	2	2	2	2		2	2	2	2
6C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR
		* NOT PART OF DRIVE ASSY.											
		2.8790 - SHAFT ASSY., GOVERNOR DRIVEN											
		INCLUDES SHAFT IN 2.8795, SLEEVE IN 2.8800 AND BEARING IN 2.8810.											
	5127663	SHAFT ASSY.	1	1	1	1	1	1		1	1	1	1
		2.8795 - SHAFT, GOVERNOR DRIVE											
6C	3224084	SHAFT	1	1	1	1	1	1		1	1	1	1
6C	274900	RING, RETAINING	1	1	1	1	1	1		1	1	1	1
		2.8800 - SLEEVE, GOVERNOR DRIVEN SHAFT											
6C	5127664	SLEEVE	1	1	1	1	1	1		1	1	1	1
		2.8810 - BEARING, GOVERNOR DRIVEN SHAFT											
C	954498	BEARING (N.D. 3202L1A)	1	1	1	1	1	1		1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6842	6847	6889	6890	6891	6898	7000	7002	7005	7008	7009
	2.8811	**- SHAFT ASSY., CONTROL LINK OPERATING**											
		A SHAFT ASSY. INCLUDES PINS IN 2.8811.											
6C	**5127757**	SHAFT ASSY.	1	1	1	1	1	1		1	1		1
6C,F	**5131234** *	SHAFT ASSY.					1				1		
6C	**5127758**	SHAFT ASSY.										1	
	5150894	PIN, LINK (2.7315)	4	2	2	2	9	4		2	5	2	4
6C,F	**274694**	RING, RETAINING	2	1	1	1	2	2		1	2	1	2
6C	**5182977**	RING, SEAL (3.3055)		1	1	1				1		1	
6C,F	**5123453**	SEAL	2				2	2			2		2
6C,F	**5127647**	BEARING, SPHERICAL	2				2	2			2		2
6C	**5127441**	BUSHING		1	1	1				1			
6C	**5197150**	WASHER (17/32"X25/64"X.0329") (2.7145)		1	1	1				1		1	
6C,F	**5187641**	WASHER, 25/64"X1 1/8"X1/16" (1.7609)	2	1	1	1	2	2		1	2	1	2
		* OBSOLETE											
	2.8815	**- GEAR AND SLEEVE ASSY., GOVERNOR DRIVE**											
6C	**5112096**	GEAR (16 TEETH) (2.8795)	1	1	1	1	1	1		1	1	1	
	2.8820	**- SHAFT, GOVERNOR DRIVE**											
6C	**5126095**	SHAFT (3.2"L.)	1	1	1	1	1	1		1	1	1	
	2.8830	**- BEARING, GOVERNOR DRIVE THRUST**											
6C	**954498**	BEARING (N.D. 3202L1A) (2.8810)	1	1	1	1	1	1		1	1	1	
	2.8905	**- RESERVOIR ASSY., GOVERNOR OIL**											
	5574785	RESERVOIR	1	1		1	1	1		1	1	1	1
	5121182	PLUG, 1/4" PIPE (12.9550)		1		1				1		1	
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	2	2		2	2	2		2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2		2	2	2		2	2	2	2
	117049	NUT, 3/8"-24 HEX. (12.9120)	2	2		2	2	2		2	2	2	2
	2.8907	**- BRACKET, GOVERNOR OIL RESERVOIR**											
	5103972	BRACKET	1	1		1	1	1		1	1	1	1
	5134500	BOLT, 5/16"-18X1" (NYLON INSERT)	3	3		3	3	3		3	3	3	3

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 684	687	689	690	691	698	700	702	705	708	709
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE											
6D	**5109306**	+ TUBE (GOVERNOR TO SOLENOID VALVE)			1		1				1		1
	5109319	TUBE (SOLENOID VALVE DUMP)			1		1				1		1
6D	**5109322**	TUBE (GOVERNOR OIL INLET)					1				1		1
	5183190	TUBE (RESERVOIR SUCTION)	1	1		1	1	1		1	1	1	1
	5128849	TUBE (12.70" DEV. L.)			1								
	5100184	TUBE (RESERVOIR OIL SUPPLY)					1				1		1
	5109323	+ TUBE (RESERVOIR TO GOVERNOR)	1	1		1		1		1			
	5125751	TUBE (CYLINDER BLOCK TO FILTER)		1		1				1		1	
	5109325	TUBE (RESERVOIR DUMP)	1	1		1	1	1		1	1	1	1
	5108687	TUBE (FILTER TO RESERVOIR)		1		1				1		1	
	5130874	TUBE (CYLINDER BLOCK TO FILTER)	1					1					
	5130884	TUBE (FILTER TO RESERVOIR)	1					1					
6D	**5109876**	TUBE (VALVE TO TEE)		1		1				1			
6D	**5109856**	TUBE (GOVERNOR TO VALVE)		1		1				1			
	5110604	HOSE, FLEX. (13" L.)							1				
	5132354	+ TUBE (RESERVOIR TO GOVERNOR)										1	
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)							1				
	118754	ELBOW, 5/16"-90 DEG. FL. TUBE (12.9390)							1				
	225815	ELBOW, 5/16" INV. FL. TUBE (12.9480)	2	2	3	2	2	2		2	2	2	2
	5157992	ELBOW, 5/16" INV. FL. TUBE (RESTRICTED)	1	1		1	1	1		1	1	1	1
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)	1	3	1	1	1	1		1	1	2	1
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	2	4	2	4	3	2		4	3	2	3
	5126391	TEE, 5/16" INV. FL. TWO WAY (7.4596)		1		1	1			1	1		1
	2191274	EXTENSION (1/2"-20) (2.5210)	1	1		1		1		1		1	
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)							1				
	116524	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)	2	2		2		2		2		2	
	9432264	CONNECTOR, 5/16"X1/4" INV. FL. TUBE	1	1		1		1		1		1	
	5187568	CLIP, 5/16" (2.5220)	1					1					
	5163529	CLIP, 5/16" DIA.		2		2				2		2	
	105451	GASKET		1		1				1		1	
	114697	+ BOLT, 3/8"-16X1/2" RD. HD. (12.9025)	1	1		1		1		1		1	
	103321	LOCKWASHER, 3/8" (12.9200)	1	1		1		1		1		1	
		* NOT SERVICED; CUSTOMER TO FABRICATE. REFER TO SECTION 12.8000B.											
		+ OBSOLETE.											
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID											
6D	**5189414**	VALVE ASSY., 24V. (NORMALLY CLOSED) (7.4652)			1		1				1		1
6D	**5109040**	VALVE ASSY., 32V. (NORMALLY OPEN)		1									

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6V-71 684	687	689	690	691	698	700	702	705	708	709
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID (CONT'D)											
6D	5162735	VALVE ASSY., 24V. (NORMALLY OPEN)				1				1			
	1996097 *	SWITCH, PUSH BUTTON (7.4115)									1		
	132947	SCREW, #10-32X2 1/2" RD. HD. (12.9025)		2		2				2			
	117277	BOLT, #10-24X2 1/4" FIL. HD. (12.9025)			2		2				2		2
	120391	WASHER, #10 FLAT (12.9190)		2		2				2			
	120217	LOCKWASHER, #10 (12.9200)		2	2	2	2			2	2		2
	110633	NUT, #10-24 HEX. (12.9120)			2		2				2		2
	120614	NUT, #10-32 HEX. (12.9120)		2		2				2			
		* PROCURE FROM UNITED DELCO.											
		2.8917 - BRACKET, GOVERNOR OPERATING SOLENOID VALVE											
6D	5103971	BRACKET		1	1	1	1			1	1		1
	106261	WASHER, 5/16" FLAT (12.9190)		2	2	2	2			2	2		2
		2.8945 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK											
6C	5124333	COVER (CONTROL LINK) (2.7030)	4	2	2	2	4	4		2	4	2	4
6C	5123812	GASKET (1.2060)	4	2	2	2	4	4		2	4	2	4
6C	186676	BOLT, 1/4"-20X5/8" (12.9001)		4		4							
6C	454894	BOLT, 1/4"-20X3/4" (12.9001)	8		4		8	8		4	8	4	8
	120392	WASHER, 1/4" FLAT (12.9190)	8	4	4	4	8	8		4	8	4	8
	120380	LOCKWASHER, 1/4" (12.9200)	8	4	4	4	8	8		4	8	4	8
		2.8950 - BOOT, INJECTOR CONTROL TUBE LINK											
6C	5104527	HOSE (1"I.D.X.80"L.)	4	2	2	2	4	4		2	4	2	4
6C	5104592	CLAMP, HOSE 1" (12.9660)	4	2	2	2	4	4		2	4	2	4
		2.8955 - SPRING, OPERATING LEVER RETURN											
6D,F	5131243 *	SPRING, RETURN					1				1		
		* OBSOLETE											
		2.8965 - BELL CRANK ASSY., GOVERNOR OPERATING											
6C,F	5127379	LEVER (CONTROL LINK SHAFT)	1				1	1			1		1
6C	5127422	LEVER (CONTROL LINK SHAFT)		1	1	1				1		1	
6C,F	103904	KEY, 3/32"X1/4" WOODRUFF (12.9350)	2	1	1	1	2	2		1	2		2

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 684	687	689	690	691	698	700	702	705	708	709
		2.8965 - BELL CRANK ASSY., GOVERNOR OPERATING(CONT'D)											
6C,F	180021	BOLT, 1/4"-10X3/4" (12.9001)	4	1	1	1	4	4		1	4	1	4
6C,F	120380	LOCKWASHER, 1/4" (12.9200)	4	1	1	1	4	4		1	4	1	4
		2.8970 - LINK, GOVERNOR OPERATING LEVER TO BELL CRANK											
6C	5127420	LINK (5/16"X5 7/8"L.)	1	1	1	1		1		1		1	1
6D,F	5131235	LINK (SHORT)					1				1		
6D,F	5131236	LINK (LONG)					1				1		
6C	5120472	BEARING, ROD END (2.9022)	1	1	1	1		1		1		1	1
6D,F	2090270	COUPLING (2.9430)					1				1		
	142583	RETAINER, 13/64" (SPRING) (12.9640)					2				2		
6C	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2	2	2		2		2		2	2
6C	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2		2		2		2	2
6F	114492	NUT, 1/4"-28 HEX. (JAM) (12.9120)					1				1		
6F	121912	NUT, 1/4"-28 L.H. HEX. (JAM) (12.9120)					1				1		
6C	114493	NUT, 5/16"-24 HEX. (JAM) (12.9120)	1	1	1	1		1		1		1	1
		2.8973 - HUB, GOVERNOR OPERATING SHAFT											
6D,F	5131118	HUB ASSY. (INCLUDES SEAL AND BUSHING)					1				1		
6F	5127267	BUSHING (2.7111)					1				1		
6F	5197065	SEAL, OIL					1				1		
6F	5178870	GASKET (5.2287)					1				1		
6F	186629	BOLT, 5/16"-18X1" (12.9001)					2				2		
6F	5164294	WASHER, (13/32"X7/8"X1/8")					2				2		
6F	103320	LOCKWASHER, 5/16" (12.9200)					2				2		
		2.8975 - LEVER, GOVERNOR OPERATING SHAFT											
6C	5173874	LEVER	1	1	1	1		1		1		1	1
6C	5124504	LEVER, CONTROL R.H. (2.7170)	1					1					1
6C,D,F	5131242 *	LEVER ASSY. (INCLUDES PIN)					1				1		
6C	5127470	BEARING, ROD END	1	1	1	1		1		1		1	1
	5131239 *	PIN					1				1		
6F	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)					1				1		
6C	180021	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1	1		1		1		1	1
6C	213546	BOLT, 1/4"-20X1" (12.9001)	1				1	1			1		1
6F	120380	LOCKWASHER, 1/4" (12.9200)	2	1	1	1	2	2		1	2	1	2
6C	121928	NUT, 5/16"-24 HEX. L.H. (JAM) (12.9120)	1	1	1	1		1		1		1	1

* OBSOLETE

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6841	6847	6849	6900	6911	6918	7000	7002	7005	7008	7009
		2.8976 - HOUSING ASSY., GOVERNOR CONTROL											
		INCLUDES ITEMS IN 2.8977, 2.8979 AND 2.8980 UNLESS NOTED.											
	5131221	@ HOUSING ASSY.					1				1		
6F	**5131231**	* @ PLATE, COVER					1				1		
6F	**5131232**	GASKET, PLATE (2.7051)					1				1		
6F	**454894**	* BOLT, 1/4"-20X3/4" (12.9001)					9				9		
6F	**186629**	BOLT, 5/16"-18X1" (12.9001)					4				4		
6F	**106327**	BOLT, 5/16"-18X1 3/8" (12.9001)					2				2		
6F	**446202**	* WASHER, 5/16" (12.9190)					1				1		
	120380	* LOCKWASHER, 1/4" (12.9200)					8				8		
	103320	LOCKWASHER, 5/16" (12.9200)					6				6		
		* NOT PART OF 5131221 HOUSING ASSY.											
		@ OBSOLETE											
		2.8977 - HOUSING, ASSY., LIMITING SPEED GOVERNOR											
		LESS SHAFT AND LEVERS. INCLUDES BEARINGS IN 2.8977.											
6D,F	**5131229**	HOUSING ASSY.					1				1		
6F	**148402**	BEARING, NEEDLE (2.7100)					2				2		
		2.8979 - SHAFT ASSY., GOV. THROTTLE											
		INCLUDES PINS IN 2.8979.											
6F	**5131222**	* SHAFT ASSY.					1				1		
6F	**5131223**	* PIN, FULCRUM LEVER					1				1		
	113500	PIN, #7X7/8" TAPER (12.9820)					1				1		
		* OBSOLETE											
		2.8980 - WASHER, GOVERNOR THROTTLE SHAFT											
6F	**5139456**	SEAL RING (.487"I.D.X.103" THICK) (3.3055)					1				1		
6F	**5153060**	RETAINER (2.7150)					2				2		
6F	**5174429**	RING, RETAINING (2.7150)					1				1		
		2.8981 - LEVER ASSY., GOVERNOR DIFFERENTIAL (LIMITING SPEED)											
		A LEVER ASSY. INCLUDES PIN AND BEARING IN 2.8981.											
6D,F	**5131238**	LEVER ASSY.					1				1		

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6841	6867	6889	6900	6911	6988	7000	7022	7055	7088	7099
		2.8981 - LEVER ASSY., GOVERNOR DIFFERENTIAL (LIMITING SPEED) (CONT'D)											
6F	274694	RING, RETAINING (2.8811)					1				1		
	5150894	PIN, LINK (25/32"L) (2.7315)					1				1		
6F	9437946	BEARING (2.7440)					2				2		
6F	5131225	SPACER					1				1		
6F	5151487	WASHER (2.7430)					1				1		
		2.8982 - LEVER, GOVERNOR THROTTLE CONTROL											
6D,F	5164318	LEVER (2.9340)									1		
6D	5131180	LEVER (SD-77)					1						
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)					1				1		
6F	180021	BOLT, 1/4"-20X7/8" (12.9001)					1				1		
6F	120380	LOCKWASHER, 1/4" (12.9200)					1				1		
		2.8983 - SCREW, GOVERNOR BUFFER (LIMITING SPEED)											
6D,F	5131204	SCREW					1				1		
6D,F	9414568	NUT, 3/8"-24 HEX. LOCK (12.9140)					1				1		
		2.8985 - FILTER ASSY., OIL											
		INCLUDES ELEMENT IN 2.8986 AND GASKET IN 2.8987.											
	5119730	FILTER ASSY. (4.2240)	1	1		1		1		1		1	
	186627	BOLT, 3/8"-24X1" (12.9001)	4	4		4		4		4		4	
	103341	WASHER, 3/8" FLAT (12.9190)	4	4		4		4		4		4	
	103321	LOCKWASHER, 3/8" (12.9200)	4	4		4		4		4		4	
	117049	NUT, 3/8"-24 (12.9120)	4	4		4		4		4		4	
		2.8986 - ELEMENT, OIL FILTER											
	9023829	ELEMENT (INCLUDES GASKET IN 2.8987) (4.2250)	1	1		1		1		1		1	
		2.8987 - GASKET, OIL FILTER ELEMENT											
	2374427	GASKET (4.2300)	1	1		1		1		1		1	
		2.8995 - BRACKET, OIL FILTER MOUNTING											
	5125828	BRACKET	1	1		1		1		1		1	
	5128035	GASKET	1	1		1		1		1		1	
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2		2				2		2	

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6V-71 MPC ENGINES 684	687	689	690	691	698	700	702	705	708	709
		2.8995 - BRACKET, OIL FILTER MOUNTING (CONT'D)											
	5132387	BOLT (3/8"-16X1 1/4" LOCK)						2					
	103321	LOCKWASHER, 3/8" (12.9200)	2	2		2		2		2		2	

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 712	713	714	726	730	731	742	745	747	764	768	791
		2.8030 - GOVERNOR ASSY.												
		PSG AND EGB OR UG8 GOVERNORS SERVICED BY DDA AS AN ASSY. ONLY. FOR COMPONENT PARTS CONTACT WOODWARD GOVERNOR CO., ROCKFORD, ILLINOIS. FURNISH THEIR ASSY. PART NUMBER AS SHOWN IN PARENTHESES. SEE ASSEMBLY BREAKDOWN PAGES.												
	5134207	GOVERNOR ASSY. (SGX) (PAGE C1)											1	
	5127995	@ GOVERNOR ASSY. (PSG) (#370630)	1								1			
	5196850	GOVERNOR ASSY. (PSG, 115V.) (#370629)		1										1
	5130180	# GOVERNOR ASSY. (PSG, 24V.) (#371001)			1					1				
	5132306	& GOVERNOR ASSY. (EGB ELECTRIC) (#375801)				1		1						
	5133380	GOVERNOR ASSY. (SGX) (T/C OUTPUT SHAFT) (PAGE B1)					1							
	5133274	% GOVERNOR ASSY. (SGX PNEUMATIC)							1					
	5120363	GOVERNOR ASSY. (UG8 12V.) (#033546)										1		
	5132307	* BOX (ELECTRIC GOVERNOR CONTROL)				1		1						
	5143028	* PLUG, AMPHENOL (ELECTRIC GOVERNOR)				1		1						
	5120364	* CLAMP, AMPHENOL (CABLE)				1		1						
	103175	STUD, 5/16"-18-24X1 1/2" (12.9117)				4		4						
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)					4							
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)							4				4	4
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	4	4	4					4	4			4
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)										4		
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4	4		4	4
	103321	LOCKWASHER, 3/8" (12.9200)										4		
	114493	NUT, 5/16"-24 HEX. (12.9120)				4		4						
		@ REPLACED BY 5140695 FOR 6, 8 AND 12V (WOODWARD #8560-157).												
		# NOT SERVICED, USE 5101891 GOVERNOR ASSY. AND INCLUDE 1-193004.												
		& NOT SERVICED. USE 5146761 GOVERNOR ASSY. (WOODWARD #375898).												
		% NO LONGER AVAILABLE FOR SERVICE.												
		* OBSOLETE.												
		2.8035 - GASKET, GOVERNOR TO BLOWER												
6B,C	5126499	GASKET (3.4190)	1	2	1	2		1	2	2	1			1
	3224773	GASKET (TO GOVERNOR COVER) (2.8760)	1	1	1	1	1	1	1	1	1		1	1
	5175776	GASKET (8.1385)										1		
		2.8182 - MOTOR ASSY., GOVERNOR SYNCHRONIZING												
	5195392	MOTOR ASSY. (24V.) (2.9355)			1					1				
	5195386	* DISC, FRICTION			1					1				
	5198168	DISC, FRICTION			1					1				

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 712	713	714	726	730	731	742	745	747	764	768	791
		2.8182 - MOTOR ASSY., GOVERNOR SYNCHRONIZING (CONT'D)												
	5195389	SCREW (#10-32X7/8" FIL HD.) (12.9010)			1					1				
	5195390	SCREW, SET (#6-32) (2.8040)			1					1				
	5198169	WASHER, FRICTION DISC (2.8040)			1					1				
	5195388	WASHER, SPRING (2.8040)			1					1				
	116089	WASHER, 3/8" FLAT COPPER (12.9190)			1					1				
	5195609	@ LOCKWIRE			1					1		.		
		* NOT SERVICED, REPLACE WITH 5198168 DISC AND INCLUDE 1-5198169 WASHER.												
		@ OBSOLETE.												
		2.8530 - SPRING, GOVERNOR SPEEDER												
6A	5196854	SPRING			1					1				
		2.8750 - DRIVE ASSY., GOVERNOR												
		CONSISTS OF ITEMS IN 2.8780 THRU 2.8830.												
	5109156	DRIVE ASSY. (ON FRONT BLOWER)	1		1						1			1
	5109137	DRIVE ASSY. (ON REAR BLOWER)		1		1			1	1			1	
	5109136	DRIVE ASSY. (ON FRONT BLOWER)		1		1			1	1			1	
	5132433	DRIVE ASSY.						1						
	5177930	DRIVE ASSY. (TAIL SHAFT GOVERNOR)										1		
6B	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	6	12	6	12		6	12	12	6		12	6
6C	186271	BOLT, 5/16"-18X3 3/4" (12.9001)	1	2	1	2		1	2	2	1		2	1
6C	186272	BOLT, 5/16"-18X4" (12.9001)	1	1	1	1		2	1	1	1		1	1
6C	186274	BOLT, 5/16"-18X5" (12.9001)	1	2	1	2		1	2	2	1		2	1
6C	272545	BOLT, 5/16"-18X5 1/4" (12.9001)	1	2	1	2		1	2	2	1		2	1
	5155596	WASHER, 5/16" COPPER (12.9190)	3	6	3	6		3	6	6	3		6	3
6C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR		AR	AR
		2.8760 - GASKET, DRIVE TO GOVERNOR												
	5175334	GASKET (3 5/16" HOLE) (5 1/4"X5 3/4") (O.D.)										1		
		2.8780 - HOUSING, GOVERNOR DRIVE												
6C	5107278	HOUSING ASSY. (INCLUDES BUSHING IN 2.8811)	1		1			1			1			1
6C	5109131	HOUSING (REAR)		1		1			1	1			1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 712	713	714	726	730	731	742	745	747	764	768	791
		2.8780 - HOUSING, GOVERNOR DRIVE (CONT'D)												
6C	5131244	HOUSING (FRONT)		1		1			1	1		1	1	1
	5177782	* HOUSING ASSY.										1		
6C	5124332	COVER (TUBE) (CONTROL LINK) (2.7230)	2	4	2	4		2	4	4	2		4	2
6C	5109159	@ COVER (REAR ON 16V.) (2.8040)	1	1	1	1		1	1	1	1		1	1
6C	5109149	@ COVER (2.8040)		1		1			1	1			1	1
	5152716	@ COVER, HOLE (3.4223)		1		1			1	1				
	5177785	% ADAPTOR (DRIVE BEARING)										1		
6C	5127424	GASKET, COVER (2.8045)	1	2	1	2		1	2	2	1		1	1
	5150193	@ GASKET (5.1010)		1		1			1	1				
	5175322	GASKET										2		
	5150942	PIN, DOWEL (2.7230)	2	4	2	4		2	4	4	2		2	4
	5152066	PLUG										1		
	5121182	PLUG, 1/4" PIPE (12.9550)			1							1		1
	5175321	SHIM										1		
	5178219	BOLT & SEAL ASSY. (5.1010)		3		3			3	3				
6C	186625	BOLT, 5/16"-18X7/8" (12.9001)		6	2	6			6	6	2		2	2
6C	186629	BOLT, 5/16"-18X1" (12.9001)	2	2	2	2		2	2	2	2	6	2	
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)										6		
6C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR
	110730	LOCKWASHER, 3/8" (12.9200)										6		
		* INCLUDES PLUG IN 2.8780 AND SEAL IN 2.8810.												
		@ NOT PART OF DRIVE ASSY.												
		% OBSOLETE												
		2.8790 - SHAFT ASSY., GOVERNOR DRIVEN												
		INCLUDES SHAFT IN 2.8795, SLEEVE IN 2.8800 AND BEARING IN 2.8810.												
	5127663	SHAFT ASSY.	1	1	1	1		1	1	1	1		1	1
		2.8795 - SHAFT, GOVERNOR DRIVEN												
6C	3224084	SHAFT	1	1	1	1		1	1	1	1		1	1
6C	274900	RING, RETAINING	1	1	1	1		1	1	1	1		1	1
		2.8800 - SLEEVE, GOVERNOR DRIVEN SHAFT												
6C	5127664	SLEEVE	1	1	1	1		1	1	1	1		1	1
		2.8805 - GEAR, GOVERNOR DRIVEN SHAFT												
	5177332	GEAR										1		
	108635	PIN										1		

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 712	713	714	726	730	731	742	745	747	764	768	791
		2.8810 - BEARING, GOVERNOR DRIVEN SHAFT												
6C	954498	BEARING (N.D. 3202L1A)	1	1	1	1		1	1	1	1		1	1
	5177786	SEAL, OIL										2		
		2.8811 - SHAFT ASSY., CONTROL LINK OPERATING												
		A SHAFT ASSY. INCLUDES PIN AND KEY SHOWN IN 2.8811.												
6C	5127757	SHAFT ASSY.	1	1	1	1		1	1	1			1	1
6C	5127758	SHAFT ASSY.		1		1		1	1	1			1	
	5150894	PIN, LINK (2.7315)	2	4	2	4		2	4	4	2		4	2
6C	274694	RING, RETAINING	1	2	1	2		1	2	2	1		2	1
6C	5182977	RING, SEAL (3.3055)	1		1			1			1			1
6C	5123453	SEAL (7.4458)		2		2			2	2			2	
6C	5127647	BEARING, SPHERICAL		2		2			2	2			2	
6C	5127441	BUSHING	1		1			1			1			1
6C	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1	2	1	2		1	2	2	1		2	1
6C	5197150	WASHER, (17/32"X25/64"X.0329") (2.7145)	1		1			1			1			1
6C	5187641	WASHER, (25/64"X1 1/8"X1/16") (1.7605)	1	2	1	2		1	2	2	1		2	1
		2.8815 - GEAR AND SHAFT ASSY., GOVERNOR DRIVE												
6C	5112096	GEAR (16 TEETH) (2.8795)	1	1	1	1		1	1	1	1		1	1
	5175331	GEAR (30 TEETH)										1		
		2.8820 - SHAFT, GOVERNOR DRIVE												
6C	5126095	SHAFT (3.2"L.)	1	1	1	1		1	1	1	1		1	1
	5177784	SHAFT (7 9/16"L.)										1		
	954423	BEARING (N.D. 3304L) (5.4110)										1		
	5158447	RING, SNAP (9.3020)										1		
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)										1		
	106751	KEY, 3/16"X3/4" WOODRUFF (12.9350)										1		
	451082	NUT, 3/4"-16 LOCK (12.9140)										1		
		2.8830 - BEARING, GOVERNOR DRIVE THRUST												
6C	954498	BEARING (N.D. 3202L1A) (2.8810)	1	1	1	1		1	1	1	1		1	1
		2.8905 - RESERVOIR ASSY., GOVERNOR OIL												
	5574785	RESERVOIR	1	1		1		1	1	1	1		1	
	5121182	PLUG, 1/4" PIPE (12.9550)	1					1			1			
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	2	2		2		2	2	2	2		2	

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 712	713	714	726	730	731	742	745	747	764	768	791
		2.8905 - RESERVOIR ASSY., GOVERNOR OIL (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)	2	2		2		2	2	2	2		2	
	117049	NUT, 3/8"-24 HEX. (12.9120)	2	2		2		2	2	2	2		2	
		2.8907 - BRACKET, GOVERNOR OIL RESERVOIR												
	5103972	BRACKET	1	1		1		1	1	1	1		1	
	5134500	BOLT, 5/16"-18X1" (NYLON INSERT)	3	3		3		3	3	3	3		3	
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE												
	5183190	TUBE (RESERVOIR SUCTION)	1	1		1		1	1	1	1		1	
	5109323	* TUBE (RESERVOIR TO GOVERNOR)	1	1						1	1			
6D	5109876	TUBE (VALVE TO TEE)	1	1						1	1			
	5125751	TUBE (CYLINDER BLOCK TO FILTER)	1		1			1			1			1
6D	5109856	TUBE (GOVERNOR TO VALVE)	1	1						1	1			
	5108687	* TUBE (FILTER TO RESERVOIR)	1					1						
	5109325	TUBE (RESERVOIR OVERFLOW)	1	1		1		1	1	1	1		1	
	5130884	TUBE (FILTER TO RESERVOIR)		1		1				1				
	5130874	TUBE (CYLINDER BLOCK TO FILTER)		1		1				1				
	5129471	TUBE (FILTER TO GOVERNOR)			1									
	5132354	+ TUBE (RESERVOIR TO GOVERNOR)				1		1						
6D	5109322	TUBE (RESERVOIR TO GOVERNOR)							1				1	
	5134083	+ TUBE (VALVE TO DRIVE HOUSING)							1					
6D	5109306	+ TUBE (GOVERNOR TO SOLENOID VALVE)							1				1	
	5100184	TUBE (RESERVOIR OIL SUPPLY)							1					
	5130950	+ TUBE (FILTER TO RESERVOIR)									1			
	5129470	+ TUBE (FILTER TO GOVERNOR)												1
	5110604	HOSE, FLEX. (13"L.) (4.3001)					1							
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)					1							
	5157992	ELBOW (5/16" INV. FL. TUBE) (RESTRICTED) (2.5210)	1	1		1		1	1	1	1		1	
	225815	ELBOW, 5/16" INV. FL. TUBE (12.9480)	2	5	2	1		1	2	3	3		1	1
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)	2	1	1	1		2	1	1	2		1	1
	118754	ELBOW, 5/16" FL. TUBE 90 DEG. (12.9390)					1							
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	2	3	1	5		4	3	3	4		2	1
	5126395	TEE, 5/16" INV. FL. TWO-WAY (7.4596)	1	1					1	1	1			
	2191274	EXTENSION (1/2"-20) (2.5210)	1	1	1	1		1		1	1			1
	116524	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)	2	2	2	2		2		2	2			2
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)					1							
	9432264	CONNECTOR, 5/16"X1/4" INV. FL. TUBE (12.9460)	1	1	1	1		1		1				1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 712	713	714	726	730	731	742	745	747	764	768	791
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE (CONT'D)												
	5163529	CLIP, 5/16" DIA. (12.3060)	2					2			2			
	5187568	CLIP, 5/16" DIA. (4.3045)		1		1				1				
	5182629	CLIP, 5/16" (12.3060)			1									1
	105451	GASKET (12.9360)	1					1			1			
	114697	+ BOLT, 3/8"-16X1/2" RD. HD. (12.9025)	1					1			1			
	179835	BOLT, 3/8"-16X5/8" (12.9001)		1		1				1				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR		AR		AR	AR			
		+ OBSOLETE.												
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID												
6D	5162735	VALVE ASSY. (24V.) (NORMALLY OPEN)	1	1						1	1			
6D	5133638	* VALVE ASSY. (120V.) (NORMALLY CLOSED)							1					
	120216	SCREW, #10-32X1/2" (12.9025)							1					
	132947	SCREW, #10-32X2 1/2" RD. HD. (12.9025)	2	2						2	2			
	120391	WASHER, #10 FLAT (12.9190)	2	2						2	2			
	120217	LOCKWASHER, #10 (12.9200)	2	2					2	2	2			
	120614	NUT, #10-32 HEX. (12.9120)	2	2					2	2	2			
		2.8917 - BRACKET, GOVERNOR OPERATING SOLENOID VALVE												
6D	5103971	BRACKET	1	1						1	1			
	5134152	* BRACKET							1					
		* NO LONGER AVAILABLE FOR SERVICE.												
		2.8945 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
6C	5124333	COVER (CONTROL LINK) (2.7030)	2	4	2	4		2	4	4	2		4	2
6C	5123812	GASKET (1.2060)	2	4	2	4		2	4	4	2		4	2
6C	454894	BOLT, 1/4"-20X3/4" (12.9001)	4	8	4	8		4	8	8	4		8	4
	120392	WASHER, 1/4" FLAT (12.9190)	4	8	4	8		4	8	8	4		8	4
	120380	LOCKWASHER, 1/4" (12.9200)	4	8	4	8		4	8	8	4		8	4
		2.8950 - BOOT, INJECTOR CONTROL TUBE LINK												
6C	5104527	HOSE (1"I.D.X.80"L.)	2	2	2	4		2	4	4	2		4	2
6C	5104592	CLAMP, HOSE 1" (12.9660)	2	2	2	4		2	4	4	2		4	2

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 712	713	714	726	730	731	742	745	747	764	768	791
		2.8965 - BELL CRANK ASSY., GOVERNOR OPERATING												
6C	5127422	LEVER (CONTROL LINK SHAFT)	1		1			1			1			1
6C	5127379	LEVER (CONTROL LINK SHAFT)		1						1			1	
6C	5132432	LEVER (CONTROL LINK SHAFT)				1								
	5133588 *	LEVER (CONTROL LINK SHAFT)							1					
6C	103904	KEY, 3/32"X1/4" WOODRUFF (12.9350)		2		2			2	2	1		2	1
6C	454813	BOLT, 1/4"-20X7/8" (12.9001)	1	4	4	4		1	4	4	1		4	1
6C	120380	LOCKWASHER, 1/4" (12.9200)	1	4	4	4		1	4	4	1		1	1
		* NO LONGER AVAILABLE FOR SERVICE.												
		2.8970 - LINK, GOVERNOR OPERATING LEVER TO BELL CRANK												
6C	5127420	LINK (5/16"X5 7/8"L.)	1	1	1	1		1		1	1		1	1
	5133740 *	LINK ASSY., YIELD (CONSISTS OF NEXT THREE ITEMS)							1					
	5133598 *	PLUNGER, GOVERNOR CONTROL LINK							1					
	5133741 *	SEAT, SPRING GOVERNOR CONTROL LINK							1					
	5133742 *	SPRING, YIELD LINK							1					
6C	5120472	BEARING, ROD END (2.9022)	1	1	1	1		1	1	1	1		1	1
6C	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2	2	2		2	2	2	2		1	2
6C	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2		2	2	2	2		2	2
6C	114493	NUT, 5/16"-24 HEX. (JAM) (12.9120)	1	1	1	1		1	1	1	1		1	1
		* NO LONGER AVAILABLE FOR SERVICE.												
		2.8975 - LEVER, GOVERNOR OPERATING SHAFT												
6C	5173874	LEVER	1	1	1	1		1	1	1	1		1	1
6C	5124504	LEVER, CONTROL R.H. (2.7170)		1		1			1	1				
6C	5127470	BEARING, ROD END	1	1	1	1		1	1	1	1		1	1
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1		1			1						
6C	180021	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1	1		1	1	1	1		1	1
	213546	BOLT, 1/4"-20X1" (12.9001)		1		1			1	1				
	186625	BOLT, 5/16"-18X7/8" (12.9001)											1	
	120380	LOCKWASHER, 1/4" (12.9200)	1	2	1	2		1	2	2	1		2	1
	103320	LOCKWASHER, 5/16" (12.9200)											1	
6C	121928	NUT, 5/16"-24 HEX. L.H. (JAM) (12.9120)	1	1	1	1		1	1	1	1		1	1
		2.8985 - FILTER ASSY., OIL												
		INCLUDES ELEMENT IN 2.8986 AND GASKET IN 2.8987.												
	5119730	FILTER ASSY. (4.2240)	1	1	1	1		1		1	1			1
	186627	BOLT, 3/8"-24X1" (12.9001)	4	4	4	4		4		4	4			4

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 712	713	714	726	730	731	742	745	747	764	768	791
		2.8985 - FILTER ASSY., OIL (CONT'D)												
	103341	WASHER, 3/8" FLAT (12.9190)	4	4	4	4		4		4	4			4
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4		4		4	4			4
	117049	NUT, 3/8"-24 HEX. (12.9120)	4	4	4	4		4		4	4			4
		2.8986 - ELEMENT, OIL FILTER												
	9023829	ELEMENT (4.2250)	1	1	1	1		1		1	1			1
		2.8987 - GASKET, OIL FILTER ELEMENT												
	2374427	GASKET (4.2300)	1	1	1	1		1		1	1			1
		2.8995 - BRACKET, OIL FILTER MOUNTING												
	5125828	BRACKET	1	1	1	1		1		1	1			1
	5128035	GASKET	1		1			1			1			1
	179839	BOLT, 3/8"-16X1" (12.9001)	2		2			2			2			2
	5132387	BOLT, 3/8"-16X1 1/4"		2		2				2				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR		AR	AR			AR

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 796	798	804	810	811	812	819	826	829	836	847	853
		2.8030 - GOVERNOR ASSY.												
		PSG AND EGB GOVERNORS SERVICED BY DDA AS AN ASSY. ONLY. FOR COMPONENT PARTS CONTACT WOODWARD GOVERNOR CO., ROCKFORD, ILLINOIS. FURNISH THEIR ASSY. PART NUMBER AS SHOWN IN PARENTHESES. SEE ASSEMBLY BREAKDOWN PAGES.												
	5127995	@ GOVERNOR ASSY. (PSG) (#370630)								1				
	5132306	# GOVERNOR ASSY. (EGB ELECTRIC) (#375801)										1		
	5108307	GOVERNOR ASSY. (SGXA) (PAGE A1)	1											
	5133379	GOVERNOR ASSY. (SGXA) (PAGE B1)		1										
	5135937	GOVERNOR ASSY. (PSG) (#370629)			1									
	5132973	GOVERNOR ASSY. (SGXA) (PAGE B1)				1								
	5108306	GOVERNOR ASSY. (SGXA) (PAGE A1)					1							
	5130879	GOVERNOR ASSY. (SGT) (PAGE B1)						1						
	5108304	GOVERNOR ASSY. (SGXA) (PAGE A1)							1				1	
	5136988	GOVERNOR ASSY. (SGXA) (PAGE C1)									1			1
	5132307	* BOX (ELECTRIC GOVERNOR CONTROL)										1		
	5143028	* PLUG, AMPHENOL (ELECTRIC GOVERNOR)										1		
	5120364	* CLAMP, AMPHENOL (CABLE)										1		
	103175	STUD, 5/16"-18-24X1 1/2" (12.9117)										4		
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)	4											
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)	4			4	4		4		4		4	4
	179826	BOLT, 5/16"-18X2" (12.9001)						4						
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)			4					4				
	120393	WASHER, 5/16" (12.9190)							7				7	
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	114493	NUT, 5/16"-24 HEX. (12.9120)										4		
		@ REPLACED BY 5101890 FOR 6, 8 AND 12V (WOODWARD #8560-157).												
		# NOT SERVICED. USE 5146761 GOVERNOR ASSY. (WOODWARD #375898).												
		* OBSOLETE.												
		2.8035 - GASKET, GOVERNOR TO BLOWER												
6B,C	**5126499**	GASKET (3.4190)	2	1	1	2	2	2	1	2	1	1	1	1
	3224773	GASKET (TO GOVERNOR COVER) (2.8760)	1	1	1	1	1	1	1	1	1	1	1	1
		2.8520 - SCREW, GOVERNOR HI-SPEED STOP												
	5194791	SCREW, LOW SPEED								1				
		2.8750 - DRIVE ASSY., GOVERNOR												
		CONSISTS OF ITEMS IN 2.8780 THRU 2.8830.												
	5109156	DRIVE ASSY. (ON FRONT BLOWER)							1		1		1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 796	798	804	810	811	812	819	826	829	836	847	853
		2.8750 - DRIVE ASSY., GOVERNOR (CONT'D)												
	5109137	DRIVE ASSY. (ON REAR BLOWER)	1			1	1	1		1				
	5109136	DRIVE ASSY. (ON FRONT BLOWER)	1			1	1	1		1				
	5132433	DRIVE ASSY.										1		
	5130814 @	DRIVE ASSY., ANGLE						1						
	179812	BOLT, 5/16"-18X1/2" (12.9001)						3						
6B	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	12	6	6	12	12	12	6	12	6	6	6	6
6C	186271	BOLT, 5/16"-18X3 3/4" (12.9001)	2	1	1	2	2	2	1	2	1	1	1	1
6C	186272	BOLT, 5/16"-18X4" (12.9001)	2		1	2	2	2	1	2	1	1	1	1
6C	186274	BOLT, 5/16"-18X5" (12.9001)	2	1	1	2	2	2	1	2	1	1	1	1
6C	272545	BOLT, 5/16"-18X5 1/4" (12.9001)	2	1	1	2	2	2	1	2	1	1	1	1
	5155596	WASHER, 5/16" COPPER (12.9190)	6	3	3	6	6	6	3	6	3	3	3	3
	120393	WASHER, 5/16" PLAIN (12.9190)					3							
6C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		@ OBSOLETE.												
		2.8780 - HOUSING, GOVERNOR DRIVE												
6C	5109214	HOUSING ASSY. (INCLUDES BUSHING IN 2.8811)			1				1		1	1	1	1
6C	5109131	HOUSING (REAR)			1		1	1			2	2	2	2
6C	5131244	HOUSING (FRONT)			1		1	1			1	1	1	1
	5109156	HOUSING ASSY.									1			
6C	5124332	COVER (TUBE) (CONTROL LINK) (2.7230)			2	4	4	4	2		2	2	2	2
6C	5109159 *	COVER (REAR ON 16V.) (2.8040)			1	1	1	1	1	1	1	1	1	1
6C	5109149 *	COVER (2.8040)				1	1	1		1				
	5152716 *	COVER, HOLE (3.4223)								1				
6C	5127424 *	GASKET, COVER (2.8045)			1	2	2	2	1	2	1	1	1	1
	5150193 *	GASKET (5.1010)								1				
	5150942	PIN, DOWEL (2.7230)			2	4	2	2	2		2	2	2	2
	5178219	BOLT & SEAL ASSY. (5.1010)								3				
6C	186625	BOLT, 5/16"-18X7/8" (12.9001)	6			6	6	2	2	6				
6C	186629	BOLT, 5/16"-18X1" (12.9001)	2		2	2	2	2		2	2	2	2	2
6C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT PART OF DRIVE ASSY.												
		2.8790 - SHAFT ASSY., GOVERNOR DRIVEN												
		INCLUDES SHAFT IN 2.8795, SLEEVE IN 2.8800 AND BEARING IN 2.8810.												
	5127663	SHAFT ASSY.	1		1	1	1	1	1		1	1	1	1
		2.8795 - SHAFT, GOVERNOR DRIVEN												
6C	3224084	SHAFT	1		1	1	1	1	1		1	1	1	1
6C	274900	RING, RETAINING	1		1	1	1	1	1		1	1	1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 796	798	804	810	811	812	819	826	829	836	847	853
	2.8800	**- SLEEVE, GOVERNOR DRIVEN SHAFT**												
6C	**5127664**	SLEEVE	1		1	1	1	1	1		1	1	1	1
	2.8810	**- BEARING, GOVERNOR DRIVEN SHAFT**												
6C	**954498**	BEARING (N.D. 3202L1A)	1		1	1	1	1	1		1	1	1	1
	2.8811	**- SHAFT ASSY., CONTROL LINK OPERATING**												
		A SHAFT ASSY. INCLUDES PIN AND KEY SHOWN IN 2.8811.												
6C	**5127757**	SHAFT ASSY.	1		1	1	1	1	1		1		1	1
6C	**5127758**	SHAFT ASSY.	1			1	1	1				1		
	5150894	PIN, LINK (2.7315)	4		1	4	4	4	2		2	2	2	2
6C	**274694**	RING, RETAINING	2		1	2	2	2	1		1	1	1	1
6C	**5182977**	RING, SEAL (3.3055)			1				1		1	1	1	1
6C	**5123453**	SEAL (7.4458)	2			2	2	2						
6C	**5127647**	BEARING, SPHERICAL	2			2	2	2						
6C	**5127441**	BUSHING			1							1		
6C	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)	2		1	2	2	2	1		1	1	1	1
6C	**5197150**	WASHER (17/32"X25/64"X.0329") (2.7145)			1				1		1	1	1	1
6C	**5187641**	WASHER (25/64"X1 1/8"X1/16") (1.7605)	2		1	2	2	2	1		1	1	1	1
	2.8815	**- GEAR AND SHAFT ASSY., GOVERNOR DRIVE**												
5C	**5112096**	GEAR (16 TEETH) (2.8795)	1		1	1	1	1	1		1	1	1	1
	2.8820	**- SHAFT, GOVERNOR DRIVE**												
6C	**5126095**	SHAFT (3.2"L.)	1		1	1	1	1	1		1	1	1	1
	2.8830	**- BEARING, GOVERNOR DRIVE THRUST**												
6C	**954498**	BEARING (N.D. 3202L1A) (2.8810)	1		1	1	1	1	1		1	1	1	1
	2.8905	**- RESERVOIR ASSY., GOVERNOR OIL**												
	5574785	RESERVOIR	1		1	1	1	1	1	1	1	1	1	1
	5121182	PLUG, 1/4" PIPE (12.9550)			1							1		
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	2		2	2	2	2	2	2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2		2	2	2	2	2	2	2	2	2	2

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 796	798	804	810	811	812	819	826	829	836	847	853
		2.8905 - RESERVOIR ASSY., GOVERNOR OIL (CONT'D)												
	117049	NUT, 3/8"-24 HEX. (12.9120)	2		2	2	2	2	2	2	2	2	2	2
		2.8907 - BRACKET, GOVERNOR OIL RESERVOIR												
	5103972	BRACKET	1		1	1	1		1	1	1	1	1	1
	5132369	BRACKET						1						
	5134500	BOLT, 5/16"-18X1" (NYLON INSERT)	3		3	3	3		3	3	3	3	3	3
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)						4						
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE												
	5183190	TUBE (RESERVOIR SUCTION)	1		1	1	1	1	1	1	1	1	1	1
	5109323	+ TUBE (RESERVOIR TO GOVERNOR)			1					1				
6D	5109876	TUBE (VALVE TO TEE)			1								1	1
	5125751	TUBE (CYLINDER BLOCK TO FILTER)			1					1				
6D	5109856	TUBE (GOVERNOR TO VALVE)			1									
	5108687	+ TUBE (FILTER TO RESERVOIR)			1									
	5109325	TUBE (RESERVOIR OVERFLOW)	1		1				1		1	1	1	1
	5132354	+ TUBE (RESERVOIR TO GOVERNOR)										1		
6D	5109322	TUBE (RESERVOIR TO GOVERNOR)	1			1	1		1		1		1	1
6D	5109306	+ TUBE (GOVERNOR TO SOLENOID VALVE)	1			1					1			
	5143754	TUBE (RESERVOIR OIL SUPPLY)							1				1	1
	5100184	TUBE (RESERVOIR OIL SUPPLY)	1			1	1				1			
	5130950	+ TUBE (FILTER TO RESERVOIR)								1				
	5109319	TUBE (VALVE TO TEE)	1			1					1			
	5137698	TUBE (GOVERNOR TO SOLENOID VALVE)											1	1
	5136584	TUBE ASSY. (RESERVOIR OVERFLOW)				1								
	5132368	@ TUBE ASSY. (RESERVOIR OVERFLOW)						1						
	5132366	TUBE ASSY. (BLOCK TO RESERVOIR)						1						
	5132367	TUBE ASSY. (RESERVOIR TO GOVERNOR)						1						1
	5109326	+ TUBE ASSY. (RESERVOIR OVERFLOW) (SD-29)								1				
	5137551	TUBE ASSY. (BLOCK TO FILTER)										1		
	5137552	TUBE ASSY. (FILTER TO RESERVOIR)										1		
	5110604	*HOSE, FLEX. (13"L.) (4.3001)*		1										
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)		1										
	5157992	ELBOW (5/16" INV. FL. TUBE) (RESTRICTED) (2.5210)	1		1	1		1	1	1	1	1	1	1
	225815	ELBOW, 5/16" INV. FL. TUBE (12.9480)	2		3	2	2		2	1	2	1	2	2
	116341	ELBOW, 5/16" INV. FL. TUBE (12.9480)						1						
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)	1		1	1	1		1	1	1		1	1
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	3		4	3	2	4	2	5	3	3	3	3
	5126391	TEE, 5/16" INV. FL. TUBE (7.4596)	1		1	1					1		1	1
	2191274	EXTENSION (1/2"-20) (2.5210)			1					1		1		

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 796	798	804	810	811	812	819	826	829	836	847	853
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE (CONT'D)												
	116524	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)			2					2		2		
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)		1										
	442322	CONNECTOR, 5/16"X1/8" (12.9460)						1						
	9432264	CONNECTOR, 5/16"X1/4" INV. FL. TUBE (12.9460)			1			1		1				
	118749	CONNECTOR, 5/16"X1/2" (12.9380)		1										
	5163529	CLIP, 5/16" DIA. (12.3060)			2					2		3		
	5182629	CLIP, 5/16" (12.3060)										1		
	5159490	CLIP, 5/16" (7.4026)						1						
	105451	GASKET (12.9360)			1					1				
	5160629	SPACER, 1 5/8"O.D.X.109X7/32" (4.2270)										2		
	5124780	BRACKET (4.1510)										1		
	5121182	PLUG, 1/4" PIPE (12.9550)						1						
	179816	BOLT, 5/16"-18X3/4" (12.9001)										1		
	114697	+ BOLT, 3/8"-16X1/2" RD. HD. (12.9025)			1									
	179835	BOLT, 3/8"-16X5/8" (12.9001)								1		2		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										2		
	120393	WASHER, 5/16" (12.9190)										1		
	103341	WASHER, 3/8" (12.9190)										2		
	103320	LOCKWASHER, 5/16" (12.9200)										1		
	103321	LOCKWASHER, 3/8" (12.9200)			AR					AR		AR		
	120376	NUT, 5/16"-18 HEX. (12.9120)										1		
		@ NOT SERVICED; REPLACE WITH 1-5136732 HOSE AND INCLUDE 1-5153473 CLIP.												
		+ OBSOLETE.												
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID												
6D	5162735	VALVE ASSY. (24V.) (NORMALLY OPEN)			1								1	1
6D	5189413	VALVE ASSY. (24V.) (NORMALLY OPEN) (7.4652)	1			1					1			
	132947	SCREW, #10-32X2 1/2" RD. HD. (12.9025)			2								2	2
	5109317	* BOLT, "U", #10-24 (2.8917)	1			1					1			
	120391	WASHER, #10 FLAT (12.9190)			2								2	2
	120217	LOCKWASHER, #10 (12.9200)	2		2	2					2		2	2
	120614	NUT, #10-32 HEX. (12.9120)			2								2	2
	110633	NUT, #10-24 HEX. (12.9120)	2			2					2			
		* OBSOLETE												

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7961	7981	8041	8101	8111	8121	8191	8261	8291	8361	8471	8531
		2.8917 - BRACKET, GOVERNOR OPERATING SOLENOID VALVE												
	5103971	BRACKET			1						1		1	1
	106261	WASHER, 5/16" (12.9190)			2						2		2	2
		2.8945 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
6C	5124333	COVER (CONTROL LINK) (2.7030)	4		2	4	4	4	2	4	2	2	2	2
6C	5123812	GASKET (1.2060)	4		2	4	4	4	2	4	2	2	2	2
6C	454894	BOLT, 1/4"-20X3/4" (12.9001)	8		4	8	8	8	4	8	4	4	4	4
	120392	WASHER, 1/4" FLAT (12.9190)	8		4	8	8	8	4	8	4	4	4	4
	120380	LOCKWASHER, 1/4" (12.9200)	8		4	8	8	8	4	8	4	4	4	4
		2.8950 - BOOT, INJECTOR CONTROL TUBE LINK												
6C	5104527	HOSE (1"I.D.X.80"L.)	4		2	4	4	4	2	4	2	2	2	2
6C	5104592	CLAMP, HOSE 1" (12.9660)	4		2	4	4	4	2	4	2	2	2	2
		2.8965 - BELL CRANK ASSY., GOVERNOR OPERATING												
6C	5127422	LEVER (CONTROL LINK SHAFT)			1				1		1	1	1	1
6C	5127379	LEVER (CONTROL LINK SHAFT)	1			1	1			1				
6C	5132438 *	LEVER (CONTROL LINK SHAFT)					1	1						
6C	103904	KEY, 3/32"X1/4" WOODRUFF (12.9350)	2		1	2	2	2	1	2	1		1	1
6C	454813	BOLT, 1/4"-20X7/8" (12.9001)	4		1	4	4	4	1	4	1	1	1	1
6C	120380	LOCKWASHER, 1/4" (12.9200)	4		1	4	4	4	1	4	1	1	1	1
		* OBSOLETE												
		2.8970 - LINK, GOVERNOR OPERATING LEVER TO BELL CRANK												
6C	5127420	LINK (5/16"X5 7/8"L.)			1	1	1	1	1	1	1	1	1	1
6C	5120472	BEARING, ROD END (2.9022)			1	1	1	1	1	1	1	1	1	1
6C	186625	BOLT, 5/16"-18X7/8" (12.9001)			2	2	2	1	1	1	2	1	2	2
6C	103320	LOCKWASHER, 5/16" (12.9200)	2		2	2	2		2	2	2	2	2	2
6C	114493	NUT, 5/16"-24 HEX. (JAM) (12.9120)			1	1	1	1	1	1	1	1	1	1
		2.8975 - LEVER, GOVERNOR OPERATING SHAFT												
6C	5173874	LEVER	1		1	1	1	1	1	1	1	1	1	1
6C	5124504	LEVER, CONTROL R.H. (2.7170)	1			1				1				
6C	5127470	BEARING, ROD END	1		1	1	1	1	1	1	1	1	1	1
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)									1	1		
6C	180021	BOLT, 1/4"-20X7/8" (12.9001)	1		1	1	1	1	1	1	1	1	1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 796	798	804	810	811	812	819	826	829	836	847	853
		2.8975 - LEVER, GOVERNOR OPERATING SHAFT (CONT'D)												
	213546	BOLT, 1/4"-20X1" (12.9001)	1			1				1				
	186625	BOLT, 5/16"-18X7/8" (12.9001)						1	1	1		1		
	120380	LOCKWASHER, 1/4" (12.9200)	2		1	2	2	2	1	2	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)						1		1		1	1	1
6C	121928	NUT, 5/16"-24 HEX. L.H. (JAM) (12.9120)	1		1	1	1	1	1	1	1	1	1	1
		2.8985 - FILTER ASSY., OIL												
		INCLUDES ELEMENT IN 2.8986 AND GASKET IN 2.8987.												
	5119730	FILTER ASSY. (4.2240)			1					1		1		
	186627	BOLT, 3/8"-24X1" (12.9001)			4					4		4		
	103341	WASHER, 3/8" FLAT (12.9190)			4					4		4		
	103321	LOCKWASHER, 3/8" (12.9200)			4					4		4		
	117049	NUT, 3/8"-24 HEX. (12.9120)			4					4		4		
		2.8986 - ELEMENT, OIL FILTER												
	9023829	ELEMENT (4.2250)			1									
		2.8987 - GASKET, OIL FILTER ELEMENT												
	2374427	GASKET (4.2300)			1									
		2.8995 - BRACKET, OIL FILTER MOUNTING												
	5125828	BRACKET			1					1				
	5137550	BRACKET										1		
	5128035	GASKET			1					1				
	5122898	SPACER, 7/8"X.62" (7.1590)										2		
	179839	BOLT, 3/8"-16X1" (12.9001)			2					2				
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)										1		
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)										1		
	103321	LOCKWASHER, 3/8" (12.9200)			AR					AR		AR		
	103322	LOCKWASHER, 7/16" (12.9200)										1		

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8556	8557	8569	8733	8811	8822	8900	9113	9115	9225	9331	9337
	2.8030 - GOVERNOR ASSY.													
		PSG AND EGB GOVERNORS SERVICED BY DDA AS AN ASSY. ONLY. FOR COMPONENT PARTS CONTACT WOODWARD GOVERNOR CO., ROCKFORD, ILLINOIS. FURNISH THEIR ASSY. PART NUMBER AS SHOWN IN PARENTHESES. REFER TO ASSEMBLY BREAKDOWN PA GES AS INDICATED BELOW.												
	5108305	GOVERNOR ASSY. (SGXA) (WITH 24 MOTOR) (PAGE A1)			1									
	5196850	GOVERNOR ASSY. (PSG, 115V.) (5143735)		1										
	5127995	GOVERNOR ASSY. (PSG) (#370630)								1				
	5132306	* GOVERNOR ASSY. (EGB ELECTRIC) (#375801)	1											
	5143274	GOVERNOR ASSY. (PSG) (#8560284) (WITH 115V. MOTOR)										1		
	5130180	@ GOVERNOR ASSY. (PSG) (WITH 24V. MOTOR) (#371001)									1			
	5138447	# GOVERNOR ASSY. (PSG) (115V. MOTOR) (5143274)						1						
	5132973	GOVERNOR ASSY. (SGXA) (PAGE B1)												1
	5108306	GOVERNOR ASSY. (SGXA) (PAGE A1)					1						1	
	5108304	GOVERNOR ASSY. (SGXA) (PAGE A1)				1								
	5136988	GOVERNOR ASSY. (SGXA) (PAGE C1) (220V. MOTOR)							1					
	5132307	+ BOX (ELECTRIC GOVERNOR CONTROL)	1											
	5132308	+ BOX (ELECTRIC GOVERNOR RESISTOR)	1											
	5132309	POTENTIOMETER, SPEED ADJUSTING	1											
	5143028	+ PLUG. AMPHENOL (ELECTRIC GOVERNOR)	1											
	5120364	+ CLAMP, AMPHENOL (CABLE)	1											
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)		1										
	103175	STUD, 5/16"-18-24X1 1/2" (12.9117)	4											
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)			4	4	4		4				4	4
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		4				4		4	4	4		
	120393	WASHER, 5/16" (12.9190)											7	
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	114493	NUT, 5/16"-24 HEX. (12.9120)	4											
		# NOT SERVICED, FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES.												
		@ NOT SERVICED, SUPERSEDED BY 5101891 PLUS (1) 193004.												
		* NOT SERVICED. USE 5146761 ASSY. (#375898).												
		+ OBSOLETE.												
	2.8035 - GASKET, GOVERNOR TO BLOWER													
6B,C	**5126499**	GASKET (3.4190)	1	1	1	1	1	1	2	2	2	1	1	2
	3224773	GASKET (TO GOVERNOR COVER) (2.8760)	1	1	1	1	1	1	1	1	1	1	1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8556	8557	8669	8673	8811	8822	8900	9113	9115	9225	9311	9337
		2.8040 - COVER, GOVERNOR												
	5194793	* COVER				1								
		* REPLACES COVER FURNISHED IN GOVERNOR ASSY.												
		2.8520 - SCREW, GOVERNOR HI-SPEED STOP												
	5194791	SCREW, LOW SPEED				1								
		2.8750 - DRIVE ASSY., GOVERNOR												
		CONSISTS OF ITEMS IN 2.8780 THRU 2.8830.												
	5109156	DRIVE ASSY.		1	1	1	1	1					1	
	5109137	DRIVE ASSY. (ON REAR BLOWER)							1	1	1	1		1
	5109136	DRIVE ASSY. (ON FRONT BLOWER)							1	1	1	1		1
	5132433	DRIVE ASSY.	1											
6B	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	6	6	6	6	6	6	12	12	12	6	6	12
6C	186271	BOLT, 5/16"-18X3 3/4" (12.9001)	1	1	1	1	1	1	2	2	2	1	1	2
6C	186272	BOLT, 5/16"-18X4" (12.9001)	1	1	1	1	1	1	2	2	2	1	1	2
6C	186274	BOLT, 5/16"-18X5" (12.9001)	1	1	1	1	1	1	2	2	2	1	1	2
6C	187512	BOLT, 5/16"-18X5 1/4" (12.9001)	1	1	1	1	1	1	2	2	2	1	1	2
	5155596	WASHER, 5/16" COPPER (12.9190)	3	3	3	3	3	3	6	6	6	3	3	6
6C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.8780 - HOUSING, GOVERNOR DRIVE												
6C	5107278	HOUSING ASSY. (INCLUDES BUSHING IN 2.8811)	1	1	1	1	1	1					1	
6C	5109131	HOUSING (REAR)							1	1	1	1		1
6C	5131244	HOUSING (FRONT)							1	1	1	1		1
6C	5124332	COVER (TUBE) (CONTROL LINK) (2.7230)	2						4	4	4	2		4
6C	5109159	# COVER (REAR ON 16V.) (2.8040)	1	1	1	1	1	1	1	1	1	1	1	1
6C	5109149	# COVER (2.8040)							1	1	1			1
	5152716	# COVER, HOLE (3.4223)								1	1			
6C	5127424	GASKET, COVER (2.8045)	1	1	1	1	1	1	2	2	2	1	1	2
	5150193	# GASKET (5.1010)								1	1			
	5150942	PIN, DOWEL (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2
	5121182	PLUG, 1/4" PIPE (12.9550)						1				1		
	5178219	BOLT AND SEAL ASSY. (5.1010)								3	3			
6C	186625	BOLT, 5/16"-18X7/8" (12.9001)							6	6	6	2		6
6C	186629	BOLT, 5/16"-18X1" (12.9001)	2	2	2	2	2	2	2	2	2		2	2
6C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# NOT PART OF DRIVE ASSY.												

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8566	8567	8569	8573	8581	8582	8590	9013	9155	9255	9311	9317
	2.8790	**- SHAFT ASSY., GOVERNOR DRIVEN**												
		INCLUDES SHAFT IN 2.8795, SLEEVE IN 2.8800 AND BEARING IN 2.8810.												
	5127663	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
	2.8795	**- SHAFT, GOVERNOR DRIVEN**												
6C	**3224084**	SHAFT	1	1	1	1	1	1	1	1	1	1	1	1
6C	**274900**	RING, RETAINING	1	1	1	1	1	1	1	1	1	1	1	1
	2.8800	**- SLEEVE, GOVERNOR DRIVEN SHAFT**												
6C	**5127664**	SLEEVE	1	1	1	1	1	1	1	1	1	1	1	1
	2.8810	**- BEARING, GOVERNOR DRIVEN SHAFT**												
6C	**954498**	BEARING (N.D. 3202L1A)	1	1	1	1	1	1	1	1	1	1	1	1
	2.8811	**- SHAFT ASSY., CONTROL LINK OPERATING**												
		A SHAFT ASSY. INCLUDES PIN AND KEY SHOWN IN 2.8811.												
6C	**5127757**	SHAFT ASSY.		1	1	1	1	1	1	1	1	1	1	1
6C	**5127758**	SHAFT ASSY.	1	1					1	1	1	1		1
	5150894	PIN, LINK (2.7315)	2	2	2	2	2	2	4	4	4	2	2	4
6C	**274694**	RING, RETAINING	1	1	1	1	1	1	2	2	2	1	1	2
6C	**5182977**	RING, SEAL (3.3055)	1	1	1	1	1	1					1	
6C	**5123453**	SEAL (7.4458)							2	2	2	2		2
6C	**5127647**	BEARING, SPHERICAL							2	2	2	2		2
6C	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1	1	1	1	1	1	2	2	2	1	1	2
6C	**5197150**	WASHER (17/32"X25/64"X.0329") (2.7145)	1	1	1	1	1	1					1	
6C	**5187641**	WASHER (25/64"X1 1/8"X1/16") (1.7605)	1	1	1	1	1	1	2	2	2	1	1	2
	2.8815	**- GEAR AND SHAFT ASSY., GOVERNOR DRIVE**												
6C	**5112096**	GEAR (16 TEETH) (2.8795)	1	1	1	1	1	1	1	1	1	1	1	1
	2.8820	**- SHAFT, GOVERNOR DRIVE**												
6C	**5126095**	SHAFT (3.2"L.)	1	1	1	1	1	1	1	1	1	1	1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8566	8567	8669	8673	8881	8882	8990	9113	9115	9225	9331	9337
		2.8830 - BEARING, GOVERNOR DRIVE THRUST												
	954498	BEARING (N.D. 3202L1A) (2.8810)	1	1	1	1	1	1	1	1	1	1	1	1
		2.8905 - RESERVOIR ASSY., GOV. OIL												
	5574785	RESERVOIR	1	1	1	1	1		1				1	1
	5121182	PLUG, 1/4" PIPE (12.9550)	1	1										
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	2	2	2	2	2		2				2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2		2				2	2
	117049	NUT, 3/8"-24 HEX. (12.9120)	2	2	2	2	2		2				2	2
		2.8907 - BRACKET, GOVERNOR OIL RESERVOIR												
	5103972	BRACKET	1	1	1	1	1		1					1
	5139409	BRACKET (4.2440)								1	1			
	5134500	BOLT, 5/16"-18X1" (NYLON INSERT)	3	3	3	3	3		3	3	3			3
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE												
	5109322	TUBE (RESERVOIR TO GOVERNOR)												1
	5183190	TUBE (RESERVOIR SUCTION)	1	1	1	1	1		1				1	1
	5109323	* TUBE (RESERVOIR TO GOVERNOR)		1										
	5130950	* TUBE (FILTER TO RESERVOIR)	1											
	5109325	TUBE (RESERVOIR OVERFLOW)	1	1	1	1	1		1					1
6D	5109876	TUBE (VALVE TO TEE)		1	1	1	1				1			
	5125751	TUBE (CYLINDER BLOCK TO FILTER)	1					1				1		
	5132354	* TUBE (RESERVOIR TO GOVERNOR)	1											
	5138154	& TUBE (CYLINDER BLOCK TO FILTER)		1										
	5109856	TUBE (GOVERNOR TO VALVE)		1										
	5139594	& TUBE (GOVERNOR TO SOLENOID VALVE)												1
	5138155	& TUBE (FILTER TO RESERVOIR)		1										
	5100184	TUBE (RESERVOIR OIL SUPPLY)							1					1
	5137698	TUBE (GOVERNOR TO SOLENOID VALVE)			1	1	1						1	
	5129471	* TUBE (FILTER TO GOVERNOR)						1				1		
	5139412	TUBE (FILTER OVERFLOW)								1	1			
	5143754	TUBE (RESERVOIR OIL SUPPLY)			1	1	1							
6D	5109322	TUBE (GOVERNOR OIL INLET)			1	1	1		1					
	5131829	TUBE (CYLINDER BLOCK TO FILTER)								1	1			
	5139589	TUBE (FILTER TO GOVERNOR)								1				
6D	5140634	+ TUBE (GOVERNOR TO VALVE)									1			
	5139749	TUBE (BLOCK TO RESERVOIR)											1	
	5139750	TUBE (RESERVOIR OVERFLOW)											1	
	5109876	TUBE (VALVE TO TEE)											1	
	5139748	TUBE (RESERVOIR TO VALVE)											1	
	5109321	TUBE (VALVE TO GOVERNOR INLET)											1	
	5139523	# TUBE (VALVE TO TEE)												1
	5157992	ELBOW, 5/16" INV. FL. TUBE	1	1	1	1	1		1				1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8566	8567	8569	8573	8581	8582	8590	9113	9115	9225	9331	9337
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE (CONT'D)												
		(RESTRICTED) (2.5210)												
	225815	ELBOW, 5/16" INV. FL. TUBE (12.9480)	1	2	2	2	2	1	1		1	1	2	2
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)	1	1	1	1	1	1	1			1	1	1
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	3	5	3	3	3	1	2	1	2	1	5	3
	9432248	ELBOW, 3/8" FL. TUBE 90 DEG. (12.9480)								1	1			
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)								1	1			
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)								1	1			
	5126391	TEE, 5/16" INV. FL. TUBE (7.4596)		1	1	1	1				1		1	1
	2191274	EXTENSION (1/2"-20) (2.5210)	1	1				1				1	1	
	116524	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)	2	2				2				2		
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)								2	2			
	5126307	CONNECTOR, RESTRICTED (.055")(7.4586)								1	1			
	2310225	CONNECTOR, 1/4" PIPE X 1/2" TUBE								1	1			
	9432264	CONNECTOR, 5/16"X1/4" INV. FL. TUBE (12.9460)						1					1	1
	5163529	CLIP, 5/16" DIA. (12.3060)	2											
	3290459	CLIP, 5/16" DIA. (2.5220)		2						1	1		2	1
	5159490	CLIP, 5/16" (7.4026)		1										
	5182629	CLIP, 5/16" (12.4080)						1				1		
	105451	GASKET (12.9360)	1											
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)		2										
	5126113	BRACKET (7.1587)											1	
	5121182	PLUG, 1/4" PIPE (12.9550)							1					
	114697	SCREW, 3/8"-16X1/2" RD. HD. (12.9025)	1											
	123450	BOLT, 1/4"-28X3/4" (12.9001)											1	
	180121	BOLT, 3/8"-16X7/8" (12.9001)		2										
	120393	WASHER, 5/16" (12.9190)											1	
	120380	LOCKWASHER, 1/4" (12.9200)											1	
	103321	LOCKWASHER, 3/8" (12.9200)	1	2										
	121902	NUT, 1/4"-28 HEX. (12.9120)											1	

* NOT SERVICED; CUSTOMER TO FABRICATE. REFER TO SECTION 12.8000B.

\# PRIOR TO 16VA-3520; EFFECTIVE WITH 16VA-3520 USE 5142638.

& OBSOLETE

\+ NOT SERVICED, USE 5199575 PLUS (1) EACH OF 5199597, 5199583, 2488022.

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 856	857	869	873	881	882	890	913	915	925	931	937
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID												
	5134104	VALVE ASSY. (12V.) (NORMALLY CLOSED)			1									
6D	5162735	VALVE ASSY. (24V.) (NORMALLY OPEN)		1	1	1	1				1		1	
6D	5134064	VALVE ASSY. (24V.) (NORMALLY CLOSED)											1	1
	132947	SCREW, #10-32X2 1/2" RD. HD. (12.9025)		2	2	2	2				2		2	
	117277	BOLT, #10-24X2 1/4" (12.9010)											2	2
	120391	WASHER, #10 FLAT (12.9190)		2	2	2	2				2		2	
	120217	LOCKWASHER, #10 (12.9200)		AR	AR	AR	AR				AR		AR	AR
	110633	NUT, #10-24 HEX. (12.9120)												2
	120614	NUT, #10-32 HEX. (12.9120)		2	2	2	2				2		2	
		2.8917 - BRACKET, GOVERNOR OPERATING SOLENOID VALVE												
6D	5103971	BRACKET		1	1	1	1				1		1	1
	106261	WASHER, 5/16" (12.9190)		2	2	2	2				2		2	2
		2.8945 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
6C	5124333	COVER (CONTROL LINK) (2.7030)	2	2	2	2	2	2	4	4	4	2	2	4
6C	5123812	GASKET (1.2060)	2	2	2	2	2	2	4	4	4	2	2	4
6C	454894	BOLT, 1/4"-20X3/4" (12.9001)	4	4	4	4	4	4	8	8	8	4	4	8
	120392	WASHER, 1/4" FLAT (12.9190)	4	4	4	4	4	4	8	8	8	4	4	8
	120380	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	8	8	8	4	4	8
		2.8950 - BOOT, INJECTOR CONTROL TUBE LINK												
6C	5104527	HOSE (1"I.D.X80"L.) (2.7030)	2	2	2	2	2	2	4	4	4	2	2	4
6C	5104592	CLAMP, HOSE 1" (12.9660)	2	2	2	2	2	2	4	4	4	2	2	4
		2.8965 - BELL CRANK ASSY., GOVERNOR OPERATING												
6C	5127422	LEVER (CONTROL LINK SHAFT)	1	1	1	1	1	1				1	1	
6C	5127379	LEVER (CONTROL LINK SHAFT)							1	1	1			1
6C	103904	KEY, 3/32"X1/4" WOODRUFF (12.9350)							2	2	2			2
6C	180021	BOLT, 1/2"-20X3/4" (12.9001)	1	1	1	1	1	1	4	4	4	1	1	4
6C	120380	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	4	4	4	1	1	4
		2.8970 - LINK, GOVERNOR OPERATING LEVER TO BELL CRANK												
CC	5127420	LINK (5/16"X5 7/8"L.)	1	1	1	1	1	1	1	1	1	1	1	1
	5120472	BEARING, ROD END (2.9022)	1	1	1	1	1	1	1	1	1	1	1	1
6C	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2	2	2	2	2	1	1	1	2	2	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8556	8557	8669	8733	8811	8822	8900	9113	9155	9225	9311	9337
		2.8970 - LINK, GOVERNOR OPERATING LEVER TO BELL CRANK(CONT'D)												
6C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	2	2	2	2	AR	AR	AR	2	AR	AR
6C	114493	NUT, 5/16"-24 HEX. (JAM.) (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
		2.8975 - LEVER, GOVERNOR OPERATING SHAFT												
6C	5173874	LEVER	1	1	1	1	1	1	1	1	1	1	1	1
6C	5124504	LEVER, CONTROL R.H. (2.7170)								1				1
6C	5127470	BEARING, ROD END	1	1	1	1	1	1	1	1	1	1	1	1
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1	1	1	1	1	1				1	1	
6C	180021	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
	213546	BOLT, 1/4"-20X1" (12.9001)								1				1
	186625	BOLT, 5/16"-18X7/8" (12.9001)							1	1	1			1
	120380	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	AR	AR	AR	1	1	AR
	103320	LOCKWASHER, 5/16" (12.9200)							AR	AR	AR			AR
6C	121928	NUT, 5/16"-24 HEX. L.H. (JAM) (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
		2.8985 - FILTER ASSY., OIL												
		INCLUDES ELEMENT IN 2.8986 AND GASKET IN 2.8987.												
	5119730	FILTER ASSY. (FULL FLOW) (4.2240)	1	1				1				1		
	5138900	FILTER ASSY. (FULL FLOW)								1	1			
	186627	BOLT, 3/8"-24X1" (12.9001)	4	4				4		4	4	4		
	103341	WASHER, 3/8" FLAT (12.9190)	4	4				4		4	4	4		
	103321	LOCKWASHER, 3/8" (12.9200)	4	4				4		4	4	4		
	117049	NUT, 3/8"-24 HEX. (12.9120)	4	4				4		4	4	4		
		2.8986 - ELEMENT, OIL FILTER												
	9023829	ELEMENT (4.2250)	1	1				1		1		1		
		2.8987 - GASKET, OIL FILTER ELEMENT												
	2374427	GASKET (4.2300)	1	1				1		1		1		
		2.8995 - BRACKET, OIL FILTER MOUNTING												
	5125828	BRACKET	1					1				1	1	
	5128035	GASKET	1					1				1	1	
	179839	BOLT, 3/8"-16X1" (12.9001)	2					2				2	2	
	103321	LOCKWASHER, 3/8" (12.9200)	2					2				2	2	

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 943	950	952	959	971	977	991	992	1007	1009	1063
		2.8030 - GOVERNOR ASSY.											
		PSG AND EGB GOVERNORS SERVICED BY DDA AS AN ASSY. ONLY. FOR COMPONENT PARTS CONTACT WOODWARD GOVERNOR CO., ROCKFORD, ILLINOIS. FURNISH THEIR ASSY. PART NUMBER AS SHOWN IN PARENTHESES. REFER TO ASSEMBLY BREAKDOWN PA GES AS INDICATED BELOW.											
	5109348	GOVERNOR ASSY. (SGX) (WITH 24V. MOTOR) (PAGE A1)											1
	5162911	GOVERNOR ASSY. (SGX) (WITH 115V. MOTOR) (PAGE A1)							1	1			
	5132306	# GOVERNOR ASSY. (EGB ELECTRIC) (#375801)					1					1	
	5143274	GOVERNOR ASSY. (PSG) (#8560284) (WITH 115V. MOTOR)									1		
	5130180	@ GOVERNOR ASSY. (PSG) (WITH 24V. MOTOR) (#371001)	1					1					
	5108307	GOVERNOR ASSY. (SGXA) (PAGE A1)		1	1								
	5132973	GOVERNOR ASSY. (SGXA) (PAGE B1)				1							
	5132307	+ BOX (ELECTRIC GOVERNOR CONTROL)					1					1	
	5132308	+ BOX (ELECTRIC GOVERNOR RESISTOR)										1	
	5132309	POTENTIOMETER, SPEED ADJUSTING										1	
	5143028	+ PLUG AMPHENOL (ELECTRIC GOVERNOR)					1					1	
	5120364	+ CLAMP, AMPHENOL (CABLE)					1					1	
	103175	STUD, 5/16"-18-24X1 1/2" (12.9117)					4					4	
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)		4	4	4			4	4			4
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	4					4			4		
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4
	114493	NUT, 5/16"-24 HEX. (12.9120)					4					4	
		# NOT SERVICED, FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES.											
		@ NOT SERVICED, SUPERSEDED BY 5101891 PLUS (1) 193004.											
		* NOT SERVICED. USE 5146761 ASSY. (#375898).											
		+ OBSOLETE.											
		2.8035 - GASKET, GOVERNOR TO BLOWER											
6B,C	**5126499**	GASKET (3.4190)	2	2	2	2	2	2	1	1	1	2	2
	3224773	GASKET (TO GOVERNOR COVER) (2.8760)	1	1	1	1	1	1	1	1	1	1	1
		2.8750 - DRIVE ASSY., GOVERNOR											
		CONSISTS OF ITEMS IN 2.8780 THRU 2.8830.											
	5146683	DRIVE ASSY.					2					2	

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9043	9050	9052	9059	9071	9077	9091	9092	10007	10009	10063
		2.8750 - DRIVE ASSY., GOVERNOR (CONT'D)											
	5109156	DRIVE ASSY.							1	1	1		
	5109137	DRIVE ASSY. (ON REAR BLOWER)	1	1	1	1		1					1
	5109136	DRIVE ASSY. (ON FRONT BLOWER)	1	1	1	1		1					1
6B	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	12	12	12	12	12	12	6	6	6	12	12
6C	186271	BOLT, 5/16"-18X3 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1
	186272	BOLT, 5/16"-18X4" (12.9001)	2	2	2	2	2	2	1	1	1	2	2
6C	186274	BOLT, 5/16"-18X5" (12.9001)	2	2	2	2	2	2	1	1	1	2	2
6C	187512	BOLT, 5/16"-18X5 1/4" (12.9001)	2	2	2	2	2	2	1	1	1	2	2
	5155596	WASHER, 5/16" COPPER (12.9190)	6	6	6	6	6	6	3	3	3	6	6
6C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.8780 - HOUSING, GOVERNOR DRIVE											
6C	5107278	HOUSING ASSY. (INCLUDES BUSHING IN 2.8811)							1	1	1		
6C	5109131	HOUSING (REAR)	1	1	1	1	1	1				1	1
6C	5131244	HOUSING (FRONT)	1	1	1	1	1	1				1	1
6C	5124332	COVER (TUBE) (CONTROL LINK) (2.7230)	4	4	4	4	4	4				4	4
6C	5109159	# COVER (REAR ON 16V.) (2.8040)	1	1	1	1	1	1	1	1	1	1	1
6C	5109149	# COVER (2.8040)	1	1	1	1	1	1				1	1
	5152718	# COVER, HOLE (3.4223)	1				1	1					
6C	5127424	GASKET, COVER (2.8045)	2	2	2	2	2	2	1	1	1	3	2
	5150193	# GASKET (5.1010)	1				1	1					
	5150942	PIN, DOWEL (2.7230)	2	2	2	2	2	2	2	2	2	2	2
	5178219	BOLT AND SEAL ASSY. (5.1010)	3				3	3					
6C	186625	BOLT, 5/16"-18X7/8" (12.9001)	6	6	6	6	6	6	2	2	2	6	6
6C	186629	BOLT, 5/16"-18X1" (12.9001)	2	2	2	2	2	2	2	2	2	2	2
6C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# NOT PART OF DRIVE ASSY.											
		2.8790 - SHAFT ASSY., GOVERNOR DRIVEN											
		INCLUDES SHAFT IN 2.8795, SLEEVE IN 2.8800 AND BEARING IN 2.8810.											
	5146677	SHAFT ASSY.					1				1		
	5127663	SHAFT ASSY.	1	1	1	1		1	1	1	1		1
		2.8795 - SHAFT, GOVERNOR DRIVEN											
6C	3224084	SHAFT	1	1	1	1	1	1	1	1	1	1	1
6C	274900	RING, RETAINING	1	1	1	1	1	1	1	1	1	1	1
		2.8800 - SLEEVE, GOVERNOR DRIVEN SHAFT											
6C	5146674	SLEEVE					1				1		
6C	5127664	SLEEVE	1	1	1	1		1	1	1			1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 943	950	952	959	971	977	991	992	1007	1009	1063
	2.8810	**- BEARING, GOVERNOR DRIVEN SHAFT**											
6C	**954498**	BEARING (N.D. 3202L1A)		1	1	1	1	1	1	1	1	1	1
	2.8811	**- SHAFT ASSY., CONTROL LINK OPERATING**											
		A SHAFT ASSY. INCLUDES PIN AND KEY SHOWN IN 2.8811.											
6C	**5127757**	SHAFT ASSY.		1	1	1	1	1	1	1	1	1	1
6C	**5127758**	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1	1
	5150894	PIN, LINK (2.7315)	4	4	4	4	4	4	2	2	2	4	4
6C	**274694**	RING, RETAINING	2	2	2	2	2	2	1	1	1	2	2
6C	**5123453**	SEAL (7.4458)	2	2	2	2	2	2	2	2	2	2	2
6C	**5127647**	BEARING, SPHERICAL	2	2	2	2	2	2	2	2	2	2	2
6C	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)	2	2	2	2	2	2	1	1	1	2	2
6C	**5187641**	WASHER (25/64"X1 1/8"X1/16") (1.7605)	2	2	2	2	2	2	1	1	1	2	2
	2.8815	**- GEAR AND SHAFT ASSY., GOVERNOR DRIVE**											
6C	**5112096**	GEAR (16 TEETH) (2.8795)	1	1	1	1	1	1	1	1	1	1	1
	2.8820	**- SHAFT, GOVERNOR DRIVE**											
6C	**5126095**	SHAFT (3.2"L.)	1	1	1	1	1	1	1	1	1	1	1
	2.8830	**- BEARING, GOVERNOR DRIVE THRUST**											
	954498	BEARING (N.D. 3202L1A) (2.8810)	1	1	1	1	1	1	1	1	1	1	1
	2.8905	**- RESERVOIR ASSY., GOV. OIL**											
	5574785	RESERVOIR		1	1	1			1	1			1
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)		2	2	2			2	2			2
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	2			2	2			2
	117049	NUT, 3/8"-24 HEX. (12.9120)		2	2	2			2	2			2
	2.8907	**- BRACKET, GOVERNOR OIL RESERVOIR**											
	5142671	BRACKET (2.8995)									1		
	5103972	BRACKET		1	1	1			1	1			1
	5139409	BRACKET (4.2440)	1				1	1				1	
	5134500	BOLT, 5/16"-18X1" (NYLON INSERT)	3	3	3	3	3	3	3	3	3	3	3

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2.8000A HYDRAULIC GOVERNOR

2.8910 - TUBE, GOVERNOR OPERATING PRESSURE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 943	950	952	959	971	977	991	992	1007	1009	1063
	5142672	TUBE (BLOCK TO FILTER)									1		
	5107998	TUBE (GOVERNOR TO SOLENOID VALVE)											1
6D	5109322	TUBE (RESERVOIR TO GOVERNOR)		1	1	1			1	1			1
	5183190	TUBE (RESERVOIR SUCTION)		1	1	1			1	1			1
	5109325	TUBE (RESERVOIR OVERFLOW)			1					1			
6D	5109876	TUBE (VALVE TO TEE)								1			
	5139594	* TUBE (GOVERNOR TO SOLENOID VALVE)		1	1	1							
	5100184	TUBE (RESERVOIR OIL SUPPLY)		1	1	1							1
	5137698	TUBE (GOVERNOR TO SOLENOID VALVE)								1			
	5139412	TUBE (FILTER OVERFLOW)	1				1	1				1	
	5143754	TUBE (RESERVOIR OIL SUPPLY)							1	1			
	5199575	HOSE, #6 15.3" L.	1				1	1				1	
	5139589	TUBE (FILTER TO GOVERNOR)	1					1					
	5139523	@ TUBE (VALVE TO TEE)		1	1	1							
	5139325	& TUBE (SOLENOID VALVE TO TEE)	1	1					1				
	5139595	# TUBE (GOVERNOR TO SOLENOID VALVE)	1										
	5142831	TUBE (SOLENOID VALVE TO HOUSING)				1							1
	5139411	% TUBE (FILTER TO GOVERNOR)					1					1	
	5142674	TUBE (FILTER OVERFLOW)									1		
	5144419	TUBE (FILTER TO GOVERNOR)									1		
	5101188	TUBE ASSY. (RESERVOIR OVERFLOW)				1							1
	5157992	ELBOW, 5/16" INV. FL. TUBE (RESTRICTED) (2.5210)		1	1	1			1	1			1
	225815	ELBOW, 5/16" INV. FL. TUBE (12.9480)	1	2	3	2			1	2			2
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)		1	1	1			1	1			1
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	2	2	3	1	1	2	3	5	1	3
	9432248	ELBOW, 3/8" FL. TUBE 90 DEG. (12.9480)	1					1					
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1				1	1			1	1	
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)									1		
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	1				1	1			1	1	
	5126391	TEE, 5/16" INV. FL. TUBE (7.4596)	1	1	1	1				1			1
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)	2				2	2			2	2	
	5199579	FITTING	2										
	5126307	CONNECTOR, RESTRICTED (.055") (7.4586)	1				1	1			1	1	
	2310225	CONNECTOR, 1/4" PIPE X 1/2" TUBE									1	1	
	9432264	CONNECTOR, 5/16"X1/4" INV. FL. TUBE (12.9460)	1		1								
	9432266	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1	
	3290459	CLIP, 5/16" (2.5220)	2	1	1	1	1	1			1	1	1
	123435	BOLT, 1/4"-28X5/8" (12.9001)									1		
	179835	BOLT, 3/8"-16X5/8" (12.9001)					1					1	

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 943	950	952	959	971	977	991	992	1007	1069	1063
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE (CONT'D)											
	120392	WASHER, 1/4" (12.9190)									1		
	120380	LOCKWASHER, 1/4" (12.9200)									1		
	103321	LOCKWASHER, 3/8" (12.9200)					1					1	
	121902	NUT, 1/4"-28 HEX. (12.9120)									1		
		* OBSOLETE.											
		@ PRIOR TO 16VA-3520; EFFECTIVE WITH 16VA-3520 USE 5142831.											
		& PRIOR TO 16VA-3520; EFFECTIVE WITH 16VA-3520 USE 5142831.											
		# PRIOR TO 16VA-3520; EFFECTIVE WITH 16VA-3520 USE 5142640.											
		% NOT SERVICED, CUSTOMER TO FABRICATE. REFER TO SECTION 12.8000B.											
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID											
6D	**5162735**	VALVE ASSY. (24V.) (NORMALLY OPEN)	1			1				1			1
6D	**5134064**	VALVE ASSY. (24V.) (NORMALLY CLOSED)		1									
	132947	SCREW, #10-32X2 1/2" RD. HD. (12.9025)	2			2				2			2
	117277	BOLT, #10-24X2 1/4" (12.9010)		2	2								
	120391	WASHER, #10 FLAT (12.9190)	2			2				2			2
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR				AR			AR
	110633	NUT, #10-24 HEX. (12.9120)		2	2								
	120614	NUT, #10-32 HEX. (12.9120)	2			2				2			2
		2.8917 - BRACKET, GOVERNOR OPERATING SOLENOID VALVE											
6D	**5103971**	BRACKET	1	1	1	1				1			1
	106261	WASHER, 5/16" (12.9190)	2	2	2	2				2			
		2.8945 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK											
6C	**5124333**	COVER (CONTROL LINK) (2.7030)	4	4	4	4	4	4	2	2	2	4	4
6C	**5123812**	GASKET (1.2060)	4	4	4	4	4	4	2	2	2	4	4
6C	**454894**	BOLT, 1/4"-20X3/4" (12.9001)	8	8	8	8	8	8	4	4	4	8	8
	120392	WASHER, 1/4" FLAT (12.9190)	8	8	8	8	8	8	4	4	4	8	8
	120380	LOCKWASHER, 1/4" (12.9200)	8	8	8	8	8	8	4	4	4	8	8
		2.8950 - BOOT, INJECTOR CONTROL TUBE LINK											
6C	**5104527**	HOSE (1"I.D.X80"L.) (2.7030)	4	4	4	4	4	4	2	2	2	4	4
6C	**5104592**	CLAMP, HOSE 1" (12.9660)	4	4	4	4	4	4	2	2	2	4	4

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 943	950	952	959	971	977	991	992	1007	1009	1063
		2.8965 - BELL CRANK ASSY., GOVERNOR OPERATING OPERATING											
6C	5127422	LEVER (CONTROL LINK SHAFT)							1	1	1		
6C	5127379	LEVER (CONTROL LINK SHAFT)	1	1	1	1							1
6C	5132432	LEVER (CONTROL LINK SHAFT)					1	1				1	
6C	103904	KEY, 3/32"X1/4" WOODRUFF (12.9350)	2	2	2	2	2	2	1	1	1	2	2
6C	180021	BOLT, 1/2"-20X3/4" (12.9001)	4	4	4	4	4	4	1	1	1	4	4
6C	120380	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	1	1	1	4	4
		2.8970 - LINK, GOVERNOR OPERATING LEVER TO BELL CRANK											
6C	5127420	LINK (5/16"X5 7/8"L.)	1	1	1	1	1	1	1	1	1	1	1
	5120472	BEARING, ROD END (2.9022)	1	1	1	1	1	1	1	1	1	1	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1	1	1	1	1	1	1	1	1	1	1
6C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	2	AR	AR
6C	114493	NUT, 5/16"-24 HEX. (JAM.) (12.9120)	1	1	1	1	1	1	1	1	1	1	1
		2.8975 - LEVER, GOVERNOR OPERATING SHAFT											
6C	5173874	LEVER	1	1	1	1	1	1	1	1	1	1	1
6C	5124504	LEVER, CONTROL R.H. (2.7170)		1	1	1	1	1				1	
6C	5127470	BEARING, ROD END	1	1	1	1	1	1	1	1	1	1	1
6C	180021	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1	1	1	1	1	1	1	1	1
	213546	BOLT, 1/4"-20X1" (12.9001)		1	1	1	1	1				1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1	1	1	1	1	1	1	1	1	1	1
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	1	1	1	AR	
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6C	121928	NUT, 5/16"-24 HEX. L.H. (JAM) (12.9120)	1	1	1	1	1	1	1	1	1	1	1
		2.8985 - FILTER ASSY., OIL											
		INCLUDES ELEMENT IN 2.8986 AND GASKET IN 2.8987.											
	5138900	FILTER ASSY. (FULL FLOW)	1				1	1			1	1	
	186627	BOLT, 3/8"-24X1" (12.9001)	4				4	4			4	4	
	103341	WASHER, 3/8" FLAT (12.9190)					4				4	4	
	103321	LOCKWASHER, 3/8" (12.9200)	4				4	4			4	4	
	117049	NUT, 3/8"-24 HEX. (12.9120)	4				4	4			4	4	
		2.8986 - ELEMENT, OIL FILTER											
	9023829	ELEMENT (4.2250)	1				1	1			1	1	

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 943	950	952	959	971	977	991	992	1007	1009	1063
		2.8987 - GASKET, OIL FILTER ELEMENT											
	2374427	GASKET (4.2300)	1				1	1			1	1	

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1068	1081	1083	1094	1116	1119	1120	1121	1128	1143	1148	1151
	2.8030	**- GOVERNOR ASSY.**												
		PSG GOVERNORS SERVICED BY DDA AS AN ASSY. ONLY. FOR COMPONENTS CONTACT WOODWARD GOVERNOR CO., ROCKFORD, ILLINOIS. FURNISH THEIR ASSY. PART NUMBER SHOWN IN PARENTHESES. REFER TO ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
	5127995	* @ GOVERNOR ASSY. (PSG) (#370630)	1											
	5101891	* GOVERNOR ASSY. (PSG) (#8560-161) (WITH 24V. MOTOR)		1										
	5138678	* GOVERNOR ASSY. (PSG) (#8560-011) (WITH 32V. MOTOR)			1									
	5140695	* # GOVERNOR ASSY. (PSG) (#8560-157)				1					1			
	5143735	* & GOVERNOR ASSY. (PSG) (#8560-287) (WITH 115V. MOTOR)					1							
	5144750	GOVERNOR ASSY. (SGX) (T/C OUTPUT SHAFT) (PAGE C1)						1						
	5108307	GOVERNOR ASSY. (SGXA) (PAGE A1)							1					
	5143588	GOVERNOR ASSY. (SG) (#8511-035)								1				
	5108305	GOVERNOR ASSY. (SGXA) (PAGE A1)										1		
	5131509	* GOVERNOR ASSY. (PSG) (#370940)											1	
	5141092	INDICATOR, MAGNETIC PICK-UP												1
	5143984	CONTROL ASSY. (ELECTRIC)												1
	5142850	ACTUATOR, GOVERNOR (ELECTRIC)												1
	5144376	PLATE, ACTUATOR SUPPORT												1
	5138152	BRACKET (7.4125)												1
	5144377	BRACKET, ACTUATOR SUPPORT												1
	186676	BOLT, 1/4"-20X5/8" (12.9001)												3
	123460	BOLT, 1/4"-28X3/4" (12.9001)												1
	181314	BOLT, 1/4"-28X7/8" (12.9001)												1
	5134500	BOLT, 5/16"-18X1" (NYLON INSERT) (2.8907)												3
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)						4						
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)							4	4		4		
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)											4	
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	4	4		4	4				4			
	120380	LOCKWASHER, 1/4" (12.9200)												5
	103320	LOCKWASHER, 5/16" (12.9200)	4	4		4	4	4	4	4	4	4	4	
	121902	NUT, 1/4"-28 HEX. (12.9120)												2
		* SERVICED BY DDAD AS AN ASSY. FOR COMPONENT PARTS CONTACT WOODWARD GOVERNOR CO., ROCKFORD, ILLINOIS. FURNISH THEIR ASSY. PART NUMBER AS SHOWN IN PARENTHESES.												
		@ REPLACED BY 5140695 FOR 6, 8 & 12V. (WOODWARD #8560-157).												
		# NOT SERVICED, USE 5101890.												
		& NOT SERVICED, USE 5101892.												
	2.8035	**- GASKET, GOVERNOR TO BLOWER**												
	3224773	GASKET (TO GOVERNOR COVER) (2.8760)	1	1	1	1	1	1	1	1	1	1	1	
6B,C	**5126499**	GASKET (3.4190)	1	1	1	1	1		2	1	1	1	1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1066	1081	1083	1094	1116	1119	1120	1121	1128	1143	1148	1151
		2.8515 - VALVE ASSY., GOVERNOR CHECK												
	5142946	VALVE ASSY.												1
		2.8750 - DRIVE ASSY., GOVERNOR												
		INCLUDES HOUSING, TUBE AND PIN IN 2.8780 AND ITEMS IN 2.8790 THRU 2.8830.												
	5109156	DRIVE ASSY.	1	1	1	1	1			1	1	1		
	5109136	DRIVE ASSY. (FRONT BLOWER)							1					
	5109137	DRIVE ASSY. (REAR BLOWER)							1					
	5131592	DRIVE ASSY.											1	
	5131466	+ DRIVE ASSY.											1	
	5144533	DRIVE ASSY.												1
6C	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)	6	6	6	6	6		12	6	6	6	6	6
6C	**186271**	BOLT, 5/16"-18X3 3/4" (12.9001)	1	1	1	1	1		2	1	1	1	1	1
6C	**186272**	BOLT, 5/16"-18X4" (12.9001)	1	1	1	1	1		2	1	1	1	1	1
6C	**186274**	BOLT, 5/16"-18X5" (12.9001)	1	1	1	1	1		2	1	1	1	1	1
6C	**272545**	BOLT, 5/16"-18X5 1/4" (12.9001)	1	1	1	1	1		2	1	1	1	1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											2	
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)											2	
6C	**5155596**	WASHER, 5/16" COPPER (4.7120)	3	3	3	3	3		6	3	3	3	3	3
	103341	WASHER, 3/8" (12.9190)											2	
6C	**103320**	LOCKWASHER, 5/16" (12.9200)	7	7	7	7	7		14	7	7	7	7	7
	103321	LOCKWASHER, 3/8" (12.9200)											5	
	117049	NUT, 3/8"-24 HEX. (12.9120)											3	
		+ *OBSOLETE.*												
		2.8754 - *HUB, GOVERNOR DRIVE*												
	5131463	ADAPTOR											1	
	5131464	BOLT, 5/16"-24X3/4" NYLON INSERT											6	
		2.8760 - GASKET, DRIVE TO GOVERNOR												
	5122227	GASKET (1.5060)											1	
		2.8780 - *HOUSING, GOVERNOR DRIVE*												
6C	**5109214**	HOUSING ASSY. (INCLUDES BUSHING IN 2.8811)	1	1	1	1	1			1	1	1	1	1
	5131244	HOUSING (FRONT)							1					
	5109131	HOUSING (REAR)							1					
	5131465	HOUSING											1	
6C	**5124332**	COVER (TUBE) (CONTROL LINK) (2.7230)	2	2	2	2	2		4	2	2	2	2	2
6C	**5109159**	COVER	1	1	1	1	1		1	1	1	1		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1066	1081	1083	1094	1116	1119	1120	1121	1128	1143	1148	1151
		2.8780 - HOUSING, GOVERNOR DRIVE (CONT'D)												
	5109149	COVER (FRONT HOUSING)							1				1	1
6C	5124333	COVER (TUBE) (CONTROL LINK) (2.7030)												2
6C	5127424	GASKET, COVER (2.8760)	1	1	1	1	1		2	1	1	1	1	1
6C	5123812	GASKET (1.2060)												2
	5150942	PIN, DOWEL (2.7230)	2	2	2	2	2		2	2	2	2		
	5145009	PLUG, 1/8" PIPE (12.9550)								1	1			
	5121182	PLUG, 1/4" PIPE (12.9550)	1	1										1
	454894	BOLT, 1/4"-20X3/4" (12.9001)												4
6C	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2					6	2	2		6	6
6C	186629	BOLT, 5/16"-18X1" (12.9001)			2	2	2		2			2		
	120392	WASHER, 1/4" (12.9190)												4
	120393	WASHER, 5/16" (12.9190)												2
	120380	LOCKWASHER, 1/4" (12.9200)												4
6C	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2		8	2	2	2	6	AR
		2.8790 - SHAFT ASSY., GOVERNOR DRIVEN												
		INCLUDES SHAFT IN 2.8795, SLEEVE IN 2.8800 AND BEARING IN 2.8810.												
	5127663	SHAFT ASSY.	1	1	1	1	1		1	1	1	1		
		2.8795 - SHAFT, GOVERNOR DRIVEN												
6C	3224084	SHAFT	1	1	1	1	1		1	1	1	1	1	
6C	274900	RETAINER, BEARING	1	1	1	1	1		1	1	1	1		
		2.8800 - SLEEVE, GOVERNOR DRIVEN SHAFT												
6C	5127664	SLEEVE	1	1	1	1	1		1	1	1	1		
	5111885	SLEEVE (2.8815)											1	
		2.8810 - BEARING, GOVERNOR DRIVEN SHAFT												
6C	954498	BEARING (N.D. 3202L1A)	1	1	1	1	1		1	1	1	1	1	
	5169864	SCREW, SET											2	
	5169866	WASHER, 17/64" FLAT (COPPER)											2	
	274856	NUT, 1/4"-20 HEX. (12.9120)											2	
		2.8811 - SHAFT ASSY., GOVERNOR LINK OPERATING												
		A SHAFT ASSY. INCLUDES PIN AND KEY SHOWN IN 2.8811.												
6C	5127757	SHAFT ASSY.	1	1	1	1	1		1	1	1	1		1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1066	1081	1083	1094	1116	1119	1120	1121	1128	1143	1148	1151
		2.8811 - SHAFT ASSY., GOVERNOR LINK OPERATING (CONT'D)												
6C	5127758	SHAFT ASSY.							1					
	5131591	SHAFT ASSY.											1	
6C	5127441	BUSHING	1	1	1	1	1			1	1	1	1	1
	5127647	BEARING, SPHERICAL							2					
6C	5150894	PIN, LINK (2.7315)	2	2	2	2	2		4	2	2	2	2	2
6C	274694	RING, RETAINING	1	1	1	1	1		2	1	1	1	1	1
6C	5182977	RING, SEAL (3.3055)	1	1	1	1	1			1	1	1	1	1
6C	5123453	SEAL, OIL (7.4458)							2					
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1	1	1	1	1		2	1	1	1	1	1
6C	5197150	WASHER, 17/32"X25/64"X.0329" (2.7145)	1	1	1	1	1			1	1	1	1	1
6C	5187641	WASHER, 25/64"X1 1/8"X1/16" (1.7605)	1	1	1	1	1		2	1	1	1	1	1
		2.8815 - GEAR AND SHAFT ASSY., GOVERNOR DRIVE												
6C	5112096	GEAR (16 TEETH) (2.8795)	1	1	1	1	1		1	1	1	1	1	
		2.8820 - SHAFT, GOVERNOR DRIVE												
6C	5126095	SHAFT (3.2"L.)	1	1	1	1	1		1	1	1	1		
	5111882	SHAFT (2.7360)											1	
		2.8830 - BEARING, GOVERNOR DRIVE THRUST												
6C	954498	BEARING (N.D. 3202L1A) (2.8810)	1	1	1	1	1		1	1	1	1	1	
	900048	BEARING (N.D. 3306L1A) (2.7470)											1	
		2.8835 - SEAL, GOVERNOR DRIVE BEARING												
	5111883	SEAL (2.7470)											1	
		2.8850 - RETAINER, GOVERNOR DRIVE SHAFT BEARING												
	9414465	RETAINER (2.7470)											1	
		2.8855 - GEAR, GOVERNOR DRIVE												
	5122910	GEAR (3.4300)											1	
	106751	KEY, 3/16"X3/4" WOODRUFF (12.9350)											1	
	273259	NUT, 1"-12 HEX. LOCK (12.9140)											1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1066	1081	1083	1094	1116	1119	1120	1121	1128	1143	1148	1151
		2.8905 - RESERVOIR ASSY., GOVERNOR OIL												
	5574785	RESERVOIR							1	1				
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)							2	2				
	103321	LOCKWASHER, 3/8" (12.9200)							2	2				
	117049	NUT, 3/8"-24 HEX. (12.9120)							2	2				
		2.8907 - BRACKET, GOVERNOR OIL RESERVOIR												
	5103972	BRACKET							1	1				
	5134500	BOLT, 5/16"-18X1" (NYLON INSERT)							3	3				
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE												
	5142672	TUBE (BLOCK TO FILTER)	1	1	1	1	1				1			
	5144419	TUBE (FILTER TO GOVERNOR)	1	1	1	1	1				1			
	5142674	TUBE (FILTER OVERFLOW)	1	1	1	1	1				1			
	5109856	TUBE (GOVERNOR TO VALVE)		1	1	1	1							
	5109876	TUBE (VALVE TO TEE)		1	1	1	1					1		
	5100184	TUBE (BLOCK TO RESERVOIR) (SUPPLY)							1					
	5109322	TUBE (RESERVOIR TO GOVERNOR)							1	1				
	5183190	TUBE (RESERVOIR SUCTION) (2.8905)							1	1				
	5107998	TUBE (GOVERNOR TO VALVE)							1					
	5142638	TUBE (VALVE TO DRIVE HOUSING)							1					
	5109325	TUBE (RESERVOIR TO BLOCK) (DRAIN)							1	1				
	5143754	TUBE (BLOCK TO RESERVOIR) (SUPPLY)								1				
	5128849	TUBE (BLOCK TO RESERVOIR) (SUPPLY)										1		
	5137698	TUBE (GOVERNOR TO VALVE)										1		
	5131585	TUBE (VALVE TO HEAD)											1	
	5131545	TUBE (GOVERNOR TO VALVE)											1	
	5131094	TUBE (BLOCK TO FILTER)											1	
	5131546	TUBE (FILTER TO GOVERNOR)											1	
	5143419	HOSE, FLEX. (10 3/4"L.) (GOVERNOR TO VALVE)												2
	5110604	HOSE, FLEX. (13"L.) (GOVERNOR TO PUMP) (4.3001)						1						
	5144762	HOSE, FLEX. (13 1/4"L.) (BLOCK TO GOVERNOR)												1
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)						1						
	5157992	ELBOW, RESTRICTED (.055") (2.5210)							1	1				
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)							1	1		1	1	
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	2	2	2	2		3	1	1	3	4	
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)		1	1	1	1		2	2		2	1	
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1	1							
	9432248	ELBOW, 3/8" INV. FL. TUBE 90 DEG.	1											1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1066	1081	1083	1094	1116	1119	1120	1121	1128	1143	1148	1151
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE (CONT'D)												
		(12.9480)												
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)		1	1	1	1				1			
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1	1				1			
	5126307	CONNECTOR, RESTRICTED (.055") (7.4596)	1	1	1	1	1				1			
	2310225	CONNECTOR, 1/4" PIPE X 1/2" TUBE (2.8910)	1	1	1	1	1				1			
	118749	CONNECTOR, 5/16" FL. TUBE (12.9380)						1						
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)											1	
	442322	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)											1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)									1			1
	5126391	TEE, 5/16" INV. FL. TUBE (7.4596)		1	1	1	1		1					1
	178690	TEE, 3/8" INV. FL. TUBE (12.9490)												
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)	2	2	2	2	2				2		2	
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)						1						
	189060	BUSHING, 3/4"X1/4" RED. (12.9570)												
	3290459	CLIP, 5/16" (2.5220)	1	1	1	1	1		1		1		1	
	5178450	CLIP, 5/16" (2.5220)											1	
	5123429	SPACER, 13/32"X13/16"X19/32" (2.3530)												
	5176846	BRACKET (7.4013)	1	1	1	1	1				1			
	123435	BOLT, 1/4"-28X5/8" (12.9001)	1	1	1	1	1				1			
	186317	BOLT, 3/8"-24X5" (12.9001)											1	
	120392	WASHER, 1/4" FLAT (12.9190)	1	1	1	1	1				1			
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1				1			
	103321	LOCKWASHER, 3/8" (12.9200)											1	
	121902	NUT, 1/4"-28 HEX. (12.9120)	1	1	1	1	1				1			
	117049	NUT, 3/8"-24 HEX. (12.9120)											1	
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID												
6D	5162735	VALVE ASSY. (24V.) (NORMALLY OPEN)		1		1	1					1	1	
6D	5109040	VALVE ASSY. (32V.) (NORMALLY OPEN)			1									
6D	5134065	VALVE ASSY. (32V.) (NORMALLY CLOSED) (7.4652)							1					
	117277	SCREW, #10-24X2 1/4" FIL. HD. (12.9010)							2					
	132947	SCREW, #10-32X2 1/2" RD. HD. (12.9025)		2	2	2	2					2		
	132952	SCREW, #10-32X2 3/4" RD. HD. (12.9025)											2	
	120391	WASHER, #10 FLAT (12.9190)		2	2	2	2					2	2	
	120217	LOCKWASHER, #10 (12.9200)		2	2	2	2		2			2	2	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1066	1081	1083	1094	1116	1119	1120	1121	1128	1143	1148	1151
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID (CONT'D)												
	110633	NUT, #10-24 HEX. (12.9120)							2					
	120614	NUT, #10-32 HEX. (12.9120)		2	2	2	2					2	2	
		2.8917 - BRACKET, GOVERNOR OPERATING SOLENOID VALVE												
6D	5103971	BRACKET		1	1	1	1		1			1		
	106261	WASHER, 5/16" FLAT (12.9190)		2	2	2	2		2			2		
		2.8930 - ADAPTOR, GOVERNOR DRIVE TACHOMETER DRIVE												
	5175266	ADAPTOR (7.4457)											1	
	849330	CAP (7.4457)											1	
	128040	STUD, 3/8"-16-24X4 15/16" (12.9117)											1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)											2	
	103320	LOCKWASHER, 5/16" (12.9200)											2	
		2.8935 - GASKET, GOVERNOR DRIVE TACHOMETER DRIVE ADAPTOR												
	5135935	GASKET (7.4455)											1	
		2.8945 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
6C	5124333	COVER (CONTROL LINK) (2.7030)	2	2	2	2	2		4	2	2	2	2	
6C	5123812	GASKET (1.2060)	2	2	2	2	2		4	2	2	2	2	
6C	443603	BOLT, 1/4"-20X3/4" (12.9001)	4	4	4	4	4		8	4	4	4	4	
6C	103319	WASHER, 1/4" FLAT (12.9190)	4	4	4	4	4		8	4	4	4	4	
6C	120380	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4		8	4	4	4	4	
		2.8950 - BOOT, INJECTOR CONTROL TUBE LINK												
6C	5104527	HOSE (1"I.D.X80"L.) (2.7030)	2	2	2	2	2		4	2	2	2	2	2
6C	5104592	CLAMP, HOSE 1" (12.9660)	2	2	2	2	2		4	2	2	2	2	2
		2.8965 - BELL CRANK ASSY., GOVERNOR *OPERATING*												
6C	5127422	LEVER (CONTROL LINK SHAFT)	1	1	1	1	1			1	1	1	3	1
6C	5127379	LEVER (CONTROL LINK SHAFT)							1					
6C	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1	1	1	1	1		2	1	1	1	3	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1066	1081	1083	1094	1116	1119	1120	1121	1128	1143	1148	1151
		2.8965 - BELL CRANK ASSY., GOVERNOR OPERATING(CONT'D)												
6C	454813	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1	1	1		2	1	1	1	3	1
6C	103319	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
		2.8970 - LINK, GOVERNOR OPERATING LEVER TO BELL CRANK												
6C	5131589	LINK (5/16"X4 1/2" L.)											1	
6C	5127420	LINK (5/16"X5 7/8" L.)	1	1	1	1	1		1	1	1	1		
		2.8985 - FILTER ASSY., OIL												
		INCLUDES ELEMENT IN 2.8986 AND GASKET IN 2.8987.												
	5138900	FILTER ASSY. (FULL FLOW)	1	1	1	1	1				1			
	5119730	FILTER ASSY. (FULL FLOW) (4.2240)											1	
	106284	BOLT, 3/8"-24X5/8" (12.9001)											1	
	186627	BOLT, 3/8"-24X1" (12.9001)	4	4	4	4	4				4		3	
	103341	WASHER, 3/8" FLAT (12.9190)	4	4	4	4	4				4		4	
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4				4		4	
	117049	NUT, 3/8"-24 HEX. (12.9120)	4	4	4	4	4				4		3	
		2.8986 - ELEMENT, OIL FILTER												
	9023829	ELEMENT (4.2250)	1	1	1	1	1				1		1	
		2.8987 - GASKET, OIL FILTER ELEMENT												
	2374427	GASKET (4.2300)	1	1	1	1	1				1		1	
		2.8995 - BRACKET, OIL FILTER MOUNTING												
	5142671	BRACKET	1	1	1	1	1				1			
	5131293	BRACKET											1	
	5134500	BOLT, 5/16"-18X1" NYLON INS. (2.8907)	3	3	3	3	3				3			
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)											2	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1174	1203	1265	1266	1283	1362	1363	1364	1365	1383	1384	1386	1388	1393
		2.8030 - GgovernOR ASSY.														
		PSG GOVERNORS SERVICED BY DDA AS AN ASSY. ONLY. FOR COMPONENTS CONTACT WOODWARD GOVERNOR CO., ROCKFORD, ILLINOIS. FURNISH THEIR ASSY. PART NUMBER SHOWN IN PARENTHESES. REFER TO ASSEMBLY *BREAKDOWN PAGES AS INDICATED* BELOW.														
	5143735	* @ GOVERNOR ASSY. (PSG) (#8560-287) (WITH 115V. MOTOR)				1										
	5108305	GOVERNOR ASSY. (SGXA) (PAGE A1)					1									
	5108304	GOVERNOR ASSY. (SGXA) (PAGE A1)	1	1									1			
	5142901	GOVERNOR ASSY. (SGX) (WITH 115V. MOTOR) (PAGE C1)			1											
	5101890	* GOVERNOR ASSY. (PSG) (#8561-254)						1		1		1			1	
	5101891	* GOVERNOR ASSY. (PSG) (#8561-255) (WITH 24V. MOTOR)							1							
	5101892	* GOVERNOR ASSY. (PSG) (#8561-256) (WITH 115V. MOTOR)									1			1		
	5103255	* GOVERNOR ASSY. (PSG) (#8561-269) (WITH 32V. MOTOR)														1
	5137547	DECAL SET						1	1	1	1	1		1	1	1
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)	4	4	4		4						4			
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)				4		4	4	4	4	4		4	4	4
	120393	WASHER, 5/16"			7				7	7		7	7		7	7
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		* SERVICED BY DDAD AS AN ASSY. FOR COMPONENT PARTS CONTACT WOODWARD GOVERNOR CO., ROCKFORD, ILLINOIS. FURNISH THEIR ASSY. PART NUMBER AS SHOWN IN PARENTHESES.														
		@ NOT SERVICED, USE 5101892.														
		2.8035 - GASKET, GOVERNOR TO BLOWER														
	3224773	GASKET (TO GOVERNOR COVER) (2.8760)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6B,C	5126499	GASKET (3.4190)	2	2	1	2	2	2	1	1	2	1	1	2	1	1
		2.8189 - BLOCK, GOV. MOTOR TERMINAL														
	5130186	BLOCK														1
	5130177	GUARD, TERMINAL BLOCK														1
	5130190	BRACKET, TERMINAL BLOCK MOUNTING														1
	57305	SLEEVE, 9/64"														3
	5281960	*LUG, SOLDERLESS (#10 SIZE SCREW)* (7.4206)														3
	100757	SCREW, #8-32X1 1/4" RD. HD. (12.9025)														4
	103092	NUT, #8 (12.9120)														8
		2.8750 - DRIVE ASSY., GOVERNOR														
		INCLUDES HOUSING, TUBE AND PIN IN 2.8780 AND ITEMS IN 2.8790 THRU 2.8830.														

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1174	1203	1265	1266	1283	1362	1363	1364	1365	1383	1384	1386	1388	1393
		2.8750 - DRIVE ASSY., GOVERNOR (CONT'D)														
	5109156	DRIVE ASSY.			1				1	1		1	1		1	1
	5103026	DRIVE ASSY.	1	1		1	1	1			1			1		
	5109136	DRIVE ASSY. (FRONT BLOWER)	1	1		1	1	1			1			1		
	5109137	DRIVE ASSY. (REAR BLOWER)	12	12	6	12	12	12	6	6	12	6	6	12	6	6
6C	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2	1	2	2	2	1	1	2	1	1	2	1	1
6C	186271	BOLT, 5/16"-18X3 3/4" (12.9001)	2	2	1	2	2	2	1	1	2	1	1	2	1	1
6C	186272	BOLT, 5/16"-18X4" (12.9001)	2	2	1	2	2	2	1	1	2	1	1	2	1	1
6C	186274	BOLT, 5/16"-18X5" (12.9001)	2	2	1	2	2	2	1	1	2	1	1	2	1	1
6C	272545	BOLT, 5/16"-18X5 1/4" (12.9001)	6	6	3	6	6	6	3	3	6	3	3	6	3	3
6C	5155596	WASHER, 5/16" FLAT COPPER (4.7120)							7							
	106261	WASHER, 5/16"-34 (12.9190)	14	14	7	14	14	14	10	7	14	7	7	14	7	7
6C	103320	LOCKWASHER, 5/16" (12.9200)														
		2.8780 - HOUSING, GOVERNOR DRIVE														
6C	5107278	HOUSING ASSY. (INCLUDES BUSHING IN 2.8811)			1										1	
	5103028	HOUSING ASSY. (INCLUDES BUSHING IN 2.8811)										1	1			
	5131244	HOUSING (FRONT)	1	1		1	1							1		
	5109131	HOUSING (REAR)	1	1		1	1							1		
	5152716	* COVER, FUEL PUMP HOLE (3.4223)				1		1			1			1		
6C	5124332	COVER (TUBE) (CONTROL LINK) (2.7230)	4	4	2	4	4	4	2	2	4	2	2	4	2	
6C	5109159	COVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5109149	COVER (FRONT HOUSING)	1	1		1	1	1						1		
6C	5127424	GASKET, COVER (2.8760)	2	2	1	2	2	2	1	1	2	1	1	2	1	1
6C	5123812	GASKET (1.2060)						10								
	5150193	* GASKET (5.1010)				1		1			1			1		
	5150942	PIN, DOWEL (2.7230)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	5121182	PLUG, 1/4" PIPE (12.9550)							1			1			1	
	5105009	PLUG, 1/8" PIPE (12.9550)											1			
	5118219	BOLT AND SEAL ASSY. (2.2001)				3		3			3			3		
6C	186625	BOLT, 5/16"-18X7/8" (12.9001)	6	6		6	6	6	2	2		2	2	6	2	
6C	186629	BOLT, 5/16"-18X1" (12.9001)	2	2	2	2	2	2			2			2		2
	106261	WASHER, 5/16"X3/4" (12.9120)										8				
6C	103320	LOCKWASHER, 5/16" (12.9200)	8	8	2	8	8	8	2	2	8	2	2	8	2	2
		* NOT PART OF DRIVE ASSY.														
		2.8790 - SHAFT ASSY., GOVERNOR DRIVEN														
		INCLUDES SHAFT IN 2.8795, SLEEVE IN 2.8800 AND BEARING IN 2.8810.														
	5127663	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.8795 - SHAFT, GOVERNOR DRIVEN														
6C	3224084	SHAFT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6C	274900	RETAINER, BEARING	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1174	1203	1265	1266	1283	1362	1363	1364	1365	1383	1384	1386	1388	1393
		2.8800 - SLEEVE, GOVERNOR DRIVEN SHAFT														
6C	5127664	SLEEVE	1	1	1	1	1	1		1		1	1	1	1	1
		2.8810 - BEARING, GOVERNOR DRIVEN SHAFT														
6C	954498	BEARING (N.D. 3202L1A)	1	1	1	1	1	1		1		1	1	1	1	1
		2.8811 - SHAFT ASSY., GOVERNOR LINK OPERATING														
		A SHAFT ASSY. INCLUDES PIN AND KEY SHOWN IN 2.8811.														
6C	5127757	SHAFT ASSY.	1	1	1	1	1	1		1		1	1	1	1	1
6C	5127758	SHAFT ASSY.	1	1		1	1							1		
6C	5127441	BUSHING			1							1	1		1	
	5127647	BEARING, SPHERICAL	2	2		2	2							2		
6C	5150894	PIN, LINK (2.7315)	4	4	2	4	4	4		2		2	2	4	2	2
6C	274694	RING, RETAINING	2	2	1	2	2	2		1		1	1	2	1	1
6C	5101691	RING, SEAL (3.3055)			1							1	1		1	
6C	5123453	SEAL, OIL (7.4458)	2	2		2	2							2		
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	2	2	1	2	2	2		1		1	1	2	1	1
6C	5197150	WASHER, 17/32"X25/64.0329 (2.7145)			1							1	1		1	1
	5187641	WASHER, 25/64"X1 1/8"X1/16" (1.7605)	2	2	1	2	2	2		1		1	1	2	1	1
		2.8815 - GEAR AND SHAFT ASSY., GOVERNOR DRIVE														
6C	5112096	GEAR (16 TEETH) (2.8795)	1	1	1	1	1	1		1		1	1	1	1	1
		2.8820 - SHAFT, GOVERNOR DRIVE														
6C	5126095	SHAFT (3.2" L.)	1	1	1	1	1	1		1		1	1	1	1	1
		2.8830 - BEARING, GOVERNOR DRIVE THRUST														
6C	954498	BEARING (N.D. 3202L1A) (2.8810)	1	1	1		1	1		1		1	1	1	1	1
		2.8905 - RESERVOIR ASSY., GOVERNOR OIL														
	5574785	RESERVOIR	1	1	1		1						1			
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	2	2	2		2						2			
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2		2						2			
	117049	NUT, 3/8"-24 HEX. (12.9120)	2	2	2		2						2			

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1174	1203	1265	1266	1283	1362	1363	1364	1365	1383	1384	1386	1388	1393
		2.8907 - BRACKET, GOVERNOR OIL RESERVOIR														
	5103972	BRACKET	1	1	1		1						1			
	5134500	BOLT, 5/16"-18X1" (NYLON INSERT)	3	3	3		3						3			
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE														
	5142672	TUBE (BLOCK TO FILTER)							1	1		1			1	
	5144419	TUBE (FILTER TO GOVERNOR)							1	1		1			1	
	5139101	TUBE (FILTER TO GOVERNOR)														1
	5142674	TUBE (FILTER OVERFLOW)							1	1					1	
	5139102	TUBE (FILTER OVERFLOW)														1
	5109856	TUBE (GOVERNOR TO VALVE)							1						1	1
	5109876	TUBE (VALVE TO TEE)			1				1						1	1
	5100184	TUBE (BLOCK TO RESERVOIR) (SUPPLY)	1	1			1									
	5109322	TUBE (RESERVOIR TO GOVERNOR)	1	1	1		1						1			
	5183190	TUBE (RESERVOIR SUCTION) (2.8905)	1	1	1		1						1			
	5109325	TUBE (RESERVOIR TO BLOCK) (DRAIN)	1		1											
	5143754	TUBE (BLOCK TO RESERVOIR) (SUPPLY)			1								1			
	5137698	TUBE (GOVERNOR TO VALVE)			1											
	5139412	TUBE (FILTER TO DRIVE HOUSING)				1		1			1			1		
	5131829	TUBE (BLOCK TO FILTER)				1		1			1			1		1
	5139100	TUBE (BLOCK TO FILTER)														
	5139589	TUBE (FILTER TO GOVERNOR)				1		1			1			1		
	5142640	TUBE (GOVERNOR TO VALVE)				1					1			1		
	5102833	TUBE (RESERVOIR OVERFLOW)											1			
	5107997	TUBE (GOVERNOR TO VALVE) (2.9858)		1			1									
	5142831	TUBE (VALVE TO DRIVE HOUSING)		1		1	1				1			1		
	5136584	TUBE (RESERVOIR TO BLOCK) (DRAIN)		1			1									
	5102834	TUBE (FILTER OVERFLOW)										1				
	5157992	ELBOW, RESTRICTED (.055") (2.5210)	1	1	1		1						1			
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)	1	1	1		1					1				
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	2	5		5	3	1	4	1	1	1		3	2	2
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	2			2		1				2		1	1
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1		1	1	1	1	1		1	1	1
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)				1		1	1	1	1	1		2	1	
	143338	ELBOW, 3/8" TUBE 45 DEG. (12.9480)												1		
	225828	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)				1		1	1	1	1			1	1	
	5126307	CONNECTOR, RESTRICTED (.055") (7.4596)				1		1	1	1	1	1		1	1	1
	2310225	CONNECTOR, 1/4" PIPE X 1/2" TUBE (2.8910)							1		1	1			1	1
	431538	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)														1
	442322	CONNECTOR, 5/16" INV. FL. TUBE				1					1			1		1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1171	1203	1265	1266	1283	1362	1363	1364	1365	1383	1384	1386	1388	1393
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE (CONT'D)														
		(12.9460)														
	5126391	TEE, 5/16" INV. FL. TUBE (7.4596)		1	1	1	1		1		1			1	1	1
	5121182	PLUG, 1/4" PIPE (12.9550)	1													
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)				2		2	2	2	2	2		2	2	2
	3290459	CLIP, 5/16" (2.5220)				2		1	1	1	2	1		2	1	
	5109040	CLIP, 5/16" (7.4076)														1
	5187568	CLIP, 5/16" (2.5220)						1								
	5176846	BRACKET (7.4013)							1	1		1			1	
	123435	BOLT, 1/4"-28X5/8" (12.9001)							1	1		1			1	
	120392	WASHER, 1/4" FLAT (12.9190)							1	1		1			1	
	103319	LOCKWASHER, 1/4" (12.9200)							1	1		1			1	
	121902	NUT, 1/4"-28 HEX. (12.9120)							1	1		1			1	
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID														
6D	**5162735**	VALVE ASSY. (24V.) (NORMALLY OPEN)		1	1	1	1		1		1			1	1	
	5109040	VALVE ASSY. (32V.) (NORMALLY OPEN)														1
	132947	SCREW, #10-32X2 1/2" RD. HD. (12.9025)		2	2	2	2		2		2			2	2	2
	120391	WASHER, #10 FLAT (12.9190)		2	2	2	2		2		2			2	2	2
	120217	LOCKWASHER, #10 (12.9200)		2	2	2	2		2		2			2	2	2
	120614	NUT, #10-32 HEX. (12.9120)		2	2	2	2		2		2			2	2	2
		2.8917 - BRACKET, GOVERNOR OPERATING SOLENOID VALVE														
6D	**5103971**	BRACKET		1	1	1	1		1		1			1	1	1
	106261	WASHER, 5/16" FLAT (12.9190)			2	2			2		2			2	2	2
		2.8945 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK														
6C	**5124333**	COVER (CONTROL LINK) (2.7030)	4	4	2	4	4	4	2	2	4	2	2	4	2	2
6C	**5123812**	GASKET (1.2060)	4	4	2	4	4	4	2	2	4	2	2	4	2	2
6C	**443603**	BOLT, 1/4"-20X3/4" (12.9001)	8	8	4	8	8	8	4	4	8	4	4	8	4	4
6C	**120392**	WASHER, 1/4" FLAT (12.9190)	8	8	4	8	8	8	4	4	8	4	4	8	4	4
6C	**103319**	LOCKWASHER, 1/4" (12.9200)	8	8	4	8	8	8	4	4	8	4	4	8	4	4
		2.8950 - BOOT, INJECTOR CONTROL TUBE LINK														
6C	**5104527**	HOSE (1"I.D.X80" L.) (2.7030)	4	4	2	4	4	4	2	2	4	2	2	4	2	2
6C	**5104592**	CLAMP, HOSE 1" (12.9660)	4	4	2	4	4	4	2	2	4	2	2	4	2	2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES													
			1174	1203	1265	1266	1283	1362	1363	1364	1365	1383	1384	1386	1388	1393
		2.8965 - BELL CRANK ASSY., GOVERNOR OPERATING														
6C	**5127422**	LEVER (CONTROL LINK SHAFT)			1				1	1		1	1		1	1
6C	**5127379**	LEVER (CONTROL LINK SHAFT)	1	1		1	1	1			1			1		
6C	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)	2	2	1	2	2	2	1	1	2	1	1	1	1	1
6C	**454813**	BOLT, 1/4"-20X7/8" (12.9001)			1			2		1						
6C	**179796**	BOLT, 1/4"-20X7/8" (12.9001)		4			4		1			1	1		1	1
6C	**103319**	LOCKWASHER, 1/4" (12.9200)		AR	AR		AR	AR	AR	AR		AR	AR		AR	AR
		2.8970 - LINK, GOVERNOR OPERATING LEVER TO BELL CRANK														
6C	**5127420**	LINK (5/16"X5 7/8" L.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6C	**5127470**	BEARING, ROD END	1	1		1	1	1	1	1	1	1	1	1	1	1
6C	**5120472**	BEARING, ROD END (2.9022)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6C	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6C	**103320**	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6C	**121928**	NUT, 5/16"-24 HEX. L.H. (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1		1
6C	**122193**	NUT, 5/16"-24 HEX. (JAM.) (12.9120)	1	1	1	1	1	1	1	1						
	114493	NUT, 5/16"-24 (2.7170)										1	1	1	1	1
		2.8975 - LEVER, GOVERNOR OPERATING SHAFT														
6C	**5173874**	LEVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6C	**5124504**	LEVER (2.7170)		1				1								
6C	**179796**	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6C	**186647**	BOLT, 1/4"-20X1" (12.9001)		1				1								
6C	**103319**	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.8985 - FILTER ASSY., OIL														
		INCLUDES ELEMENT IN 2.8986 AND GASKET IN 2.8987.														
	5138900	FILTER ASSY. (FULL FLOW)				1		1	1	1	1	1		1	1	1
	186627	BOLT, 3/8"-24X1" (12.9001)				4		4	4	4	4	4		4	4	4
	103341	WASHER, 3/8" FLAT (12.9190)						4	4	4		4		4	4	4
	103321	LOCKWASHER, 3/8" (12.9200)				4		4	4	4	4	4		4	4	4
	117049	NUT, 3/8"-24 HEX. (12.9120)				4		4	4	4	4	4		4	4	4
		2.8986 - ELEMENT, OIL FILTER														
	9023829	ELEMENT (4.2250)				1						1		1	1	1
		2.8987 - GASKET, OIL FILTER ELEMENT														
	2374427	GASKET (4.2300)				1						1		1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES													
			1174	1203	1265	1266	1283	1362	1363	1364	1365	1383	1384	1386	1388	1393
		2.8995 - BRACKET, OIL FILTER MOUNTING														
	5142671	BRACKET							1	1		1			1	
	5139409	BRACKET (4.2440)				1		1			1			1		
	5139103	BRACKET														1
	5134500	BOLT, 5/16"-18X1" NYLON INS. (2.8907)				3		3	3	3	3	3		3	3	3

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	1	1	1	1	1
			5	5	5	7	7	7
			8	8	8	3	3	3
			6	7	8	6	7	8
	2.8030	**- GOVERNOR ASSY.**						
		PSG GOVERNORS SERVICED BY DDA AS AN ASSY. ONLY. FOR COMPONENTS CONTACT WOODWARD GOVERNOR CO. ROCKFORD ILLINOIS. FURNISH THEIR ASSY. PART NUMBER SHOWN IN PARENTHESES. REFER TO ASSEMBLY BREAKDOWN PAGES AS INDICATED B ELOW.						
	5108307	GOVERNOR ASSY. (SGXA) (PAGE A1)	1					
	5108306	GOVERNOR ASSY. (SGXA) (PAGE A1)				1	1	1
	5108304	GOVERNOR ASSY. (SGXA) (PAGE A1)		1				
	5108305	GOVERNOR ASSY. (SGXA) (W 24 VOLT MOTOR) (PAGE A1)			1			
	179823	BOLT, 5/16"-18 X 1 5/8" (12.9001)	4	4	4	4	4	4
	103340	WASHER, 5/16"				7	7	7
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4
	2.8035	**- GASKET, GOVERNOR TO BLOWER**						
	3224773	GASKET (TO GOVERNOR COVER)	1	1	1	1	1	1
6B,C	**5126499**	GASKET (3.4190)	2	2	2	1	1	1
	2.8750	**- DRIVE ASSY., GOVERNOR**						
		INCLUDES HOUSING, TUBE AND PIN IN 2.8780 AND ITEMS IN 2.8790 THRU 2.8830.						
	5109136	DRIVE ASSY. (FRONT BLOWER)	1	1	1			
	5109156	DRIVE ASSY.				1		1
	5109137	DRIVE ASSY. (REAR BLOWER)	1	1	1			
	5103026	DRIVE ASSY.					1	
6B	**179827**	BOLT, 5/16"-18 X 2 1/4" (12.9001)	12	12	12	6	6	6
6C	**186271**	BOLT, 5/16"-18 X 3 3/4" (12.9001)	2	2	2	1	1	1
6C	**186272**	BOLT, 5/16"-18 X 4" (12.9001)	2	2	2	1	1	1
6C	**186274**	BOLT, 5/16"-18 X 5" (12.9001)	2	2	2	1	1	1
6C	**272545**	BOLT, 5/16"-18 X 5 1/4" (12.9001)	2	2	2	1	1	1
	5155596	WASHER, 5/16" COPPER (4.7120)	6	6	6	3	3	3
6C	**103320**	LOCKWASHER, 5/16" (12.9200)	14	14	14	7	7	7
	2.8780	**- HOUSING, GOVERNOR DRIVE**						
	5103028	HOUSING ASSY. (INCLUDES BUSHING IN 2.8811)					1	
	5107278	HOUSING ASSY. (INCLUDES BUSHING IN 2.8811)				1		1
6C	**5131244**	HOUSING (FRONT)	1	1	1			
6C	**5109131**	HOUSING (REAR)	1	1	1			
6C	**5124332**	COVER (TUBE) (CONTROL LINK) (2.7230)	4	4	4	2	2	2
6C	**5109159**	# COVER	1	1	1	1	1	1
6C	**5109149**	# COVER	1	1	1			
6C	**5127424**	GASKET, COVER (2.8760)	2	2	2	1	1	1
	5123812	GASKET (1.2060)	12	12	12	2	2	2
	5150942	PIN, DOWEL (2.7230)	2	2	2	2	2	2
	5145009	PLUG, 1/8" PIPE (12.9550)					1	1
6C	**186625**	BOLT, 5/16"-18 X 7/8" (12.9001)	6	6	6		2	2
6C	**186629**	BOLT, 5/16"-18 X 1" (12.9001)	2	2	2	2		
6C	**103320**	LOCKWASHER, 5/16" (12.9200)	8	8	8	2	2	2
		# NOT PART OF DRIVE ASSY.						

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1586	1587	1588	1736	1737	1738
		2.8790 - SHAFT ASSY., GOVERNOR DRIVEN						
		INCLUDES SHAFT IN 2.8795, SLEEVE IN 2.8800 AND BEARING IN 2.8810.						
	5127663	SHAFT ASSY.	1	1	1	1	1	1
		2.8795 - SHAFT, GOVERNOR DRIVEN						
6C	3224084	SHAFT	1	1	1	1	1	1
6C	274900	RETAINER, BEARING	1	1	1	1	1	1
		2.8800 - SLEEVE, GOVERNOR DRIVEN SHAFT						
6C	5127664	SLEEVE	1	1	1	1	1	1
		2.8810 - BEARING, GOVERNOR DRIVEN SHAFT						
6C	954498	BEARING (N.D. 3202LIA)	1	1	1	1	1	1
		2.8811 - SHAFT ASSY., GOVERNOR LINK OPERATING						
		A SHAFT ASSY. INCLUDES PIN AND KEY SHOWN IN 2.8811.						
6C	5127757	SHAFT ASSY.	1	1	1	1	1	1
6C	5127758	SHAFT ASSY.	1	1	1			
	5127647	BEARING, SPHERICAL	2	2	2			
6C	5150894	PIN, LINK (2.7315)	4	4	4	2	2	2
6C	274694	RING, RETAINING	2	2	2	1	1	1
	5101691	RING, SEAL (3.3055)				1	1	1
6C	5123453	SEAL, OIL (7.4458)	2	2	2			
	103904	KEY, 3/32" X 1/2" WOODRUFF (12.9350)	2	2	2	1	1	1
	5187641	WASHER, 25/64" X 1 1/8" X 1/16" (1.7605)	2	2	2	1	1	1
	5197150	WASHER, 17/32"X25/64"X1 1/8" (2.7145)				1	1	1
		2.8815 - GEAR AND SHAFT ASSY., GOVERNOR DRIVE						
6C	5112096	GEAR (16 TEETH) (2.8795)	1	1	1	1	1	1
		2.8820 - SHAFT, GOVERNOR DRIVE						
6C	5126095	SHAFT (3.2" L.)	1	1	1	1	1	1
		2.8830 - BEARING, GOVERNOR DRIVE THRUST						
6C	954498	BEARING (N.D. 3202LIA) (2.8810)	1	1	1	1	1	1
		2.8905 - RESERVOIR ASSY., GOVERNOR OIL						
	5574785	RESERVOIR	1	1	1	1	1	1
	181370	BOLT, 3/8"-24 X 1 1/4" (12.9001)	2	2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1 5 8 6	1 5 8 7	1 5 8 8	1 7 3 6	1 7 3 7	1 7 3 8
		2.8905 - RESERVOIR ASSY., GOVERNOR OIL (CONT'D)						
	117049	NUT, 3/8"-24 HEX. (12.9120)	2	2	2	2	2	2
		2.8907 - BRACKET, GOVERNOR OIL RESERVOIR						
	5103972	BRACKET	1	1	1	1	1	1
	5134500	BOLT, 5/16"-18 X 1" (NYLON INSERT)	3	3	3	3	3	3
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE						
	5100184	TUBE (BLOCK TO RESERVOIR)	1	1	1			
	5109322	TUBE (RESERVOIR TO GOVERNOR)	1	1	1	1	1	1
	5183190	TUBE (RESERVOIR SUCTION)	1	1	1	1	1	1
	5137698	TUBE (GOVERNOR TO SOLENOID VALVE)				1		
	5107997	TUBE (GOVERNOR TO SOLENOID)		1	1			
	5142831	TUBE (VALVE TO DRIVE HOUSING)		1	1			
	5102833	TUBE (RESERVOIR OVERFLOW)					1	
	5136584	TUBE (RESERVOIR TO BLOCK DRAIN)	1	1				
	5143754	TUBE (RESERVOIR SUPPLY)				1	1	1
	5107998	TUBE (GOVERNOR TO SOLENOID)	1					
	5109876	TUBE (VALVE TO TEE)				1		
	5142638	TUBE (SOLENOID VLV TO DRIVE HOUSING)	1					
	5109325	TUBE (RESERVOIR OVERFLOW)	1			1		
	5157992	ELBOW, RESTRICTED (.055") (2.5210)	1		1	1	1	1
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)	1	1	1	1	1	1
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	3	2	2	3	1	2
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG.	2	2	2	2	2	1
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	1	1	1			
	5126391	TEE, 5/16" INV. FL. TUBE (7.4596)	1	1	1	1		
	5121182	PLUG, 1/4" PIPE (12.9550)	1					
		2.8915 - VALVE, GOVERNOR OPERATING SOLENOID						
6D	5162735	VALVE ASSY. (24V.) (NORMALLY OPEN)		1	1	1		
	5134104	VALVE ASSY. (12V.) (NORMALLY OPEN)	1					
	132947	SCREW, #10-32 X 2 1/2" RD. HD. (12.9025)	2	2	2	2		
	120391	WASHER, #10 FLAT (12.9190)	2	2	2	2		
	120217	LOCKWASHER, #10 (12.9200)	2	2	2	2		
	120614	NUT, #10-32 HEX. (12.9120)	2	2	2	2		
		2.8917 - BRACKET, GOVERNOR OPERATING SOLENOID VALVE						
6D	5103971	BRACKET	1	1	1	1		
	106261	WASHER, 5/16" (12.9190)				2		
		2.8945 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK						
6C	5124333	COVER (CONTROL LINK) (2.7030)	4	4	4	2	2	2
6C	5123812	GASKET (1.2060)	4	4	4	2	2	2
6C	5104152	BOLT, 1/4"-20 X 3/4" W/SEAL PATCH	8	8	8	4	4	4
6C	103319	LOCKWASHER, 1/4"	8	8	8	4	4	4

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1 5 8 6	1 5 8 7	1 5 8 8	1 7 3 6	1 7 3 7	1 7 3 8
		2.8950 - BOOT, INJECTOR CONTROL TUBE LINK						
6C	5104527	HOSE (1" I.D. X 1" L.)	4	4	4	2	2	2
6C	5104592	CLAMP, HOSE 1" (12.9660)	8	8	8	4	4	4
		2.8965 - BELLCRANK ASSY., GOVERNOR OPERATING						
6C	5127379	LEVER (CONTROL LINK SHAFT)	1	1	1			
6C	5127422	LEVER (CONTROL LINK SHAFT)				1	1	1
6C	103904	KEY, 3/31" X 1/2" WOODRUFF (12.9530)	2	2	2	1	1	1
6C	179796	BOLT, 1/4"-20 X 7/8" (12.9001)	4	4	4	1	1	1
6C	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4	1	1	1
		2.8970 - LINK, GOVERNOR OPERATING LEVER TO BELLCRANK						
6C	5127420	LINK (5/16" X 5 7/8" L.)	1	1	1	1	1	1
6C	5127470	BEARING, ROD END	1	1	1	1	1	1
6C	5120472	BEARING, ROD END (2.9022)	1	1	1	1	1	1
6C	186625	BOLT, 5/16"-18 X 7/8"	2	2	2	2	2	2
6C	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2
6C	121928	NUT, 5/16"-24 HEX. L.H. (12.9120)	1	1	1	1	1	1
6C	114493	NUT, 5/16"-24 (12.9120)	1	1	1	1	1	1
		2.8975 - LEVER, GOVERNOR OPERATING SHAFT						
6C	5173874	LEVER	1	1	1	1	1	1
6C	5124504	LEVER	1	1				
6C	179796	BOLT, 1/4"-20 X 7/8" (12.9001)	1	1	1	1	1	1
6C	186647	BOLT, 1/4"-20 X 1" (12.9001)	1	1				
6C	103319	LOCKWASHER, 1/4" (12.9200)	1	2	1	1	1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8030 - GOVERNOR ASSY.														
	5100114	GOVERNOR ASSY. (SGX)	1													
	5108304	GOVERNOR ASSY. (SGXA)		1												
	5108305	GOVERNOR ASSY. (SGX) (WITH 24V. MOTOR)			1											
	5108306	GOVERNOR ASSY. (SGX)				1										
	5108307	GOVERNOR ASSY. (SGX)					1									
	5109348	GOVERNOR ASSY. (SGX) (WITH 24V. MOTOR)									1					
	5128528	GOVERNOR ASSY. (SGXA)						1								
	5128960	GOVERNOR ASSY. (SGX) (WITH 24V. MOTOR)							1							
	5129758	GOVERNOR ASSY. (SGX)								1						
	5162911	GOVERNOR ASSY. (SGX) (WITH 115V. MOTOR)										1				
		2.8040 - COVER, GOVERNOR														
6A	**5194793**	COVER	1				1	1		1						
6A	**5197007**	COVER		1		1										
	5195385	COVER, FRICTION			1				1		1	1				
6A	**5197127**	COVER			1						1	1				
6A	**5195387**	COVER, GOVERNOR AND MOTOR							1							
6A	**5197006**	STOP		1		1										
6A	**5194792**	STOP						1		1						
	5198168	DISC, FRICTION			1				1		1	1				
	5195391	SCREW, SPEED ADJUSTING			1				1		1	1				
	5195390	SCREW (#6-32 SET)			1				1		1	1				
6A	**5197607**	SCREW, #10-32X1 3/8" FIL. HD. (WITH L/W) (12.9010)		3	3	3	3				3	3				
	5195389	BOLT, (#10-32X7/8")			4				4		4	4				
6A	**147121**	BOLT, #10-32X1 1/2" (12.9001)	3					3	3	3						
	5195388	WASHER, SPRING			1				1		1	1				
	5198169	WASHER, FIBER			1				1		1	1				
	5194070	WASHER, #10 FLAT (COPPER) (2.8520)			4				4		4	4				
6A	**5194069**	WASHER, 1/4" COPPER						1		1						
	5195099	LOCKWIRE			1				1		1	1				
6A	**115545**	LOCKWASHER, #10 INT. TOOTH (12.9220)	3	3	3	3	3	3	3	3	3	3				
6A	**5194495**	NUT, ELASTIC STOP						1		1						
		2.8045 - GASKET, GOVERNOR COVER														
6A	**3249110**	GASKET (2.8260)	1	1	1	1	1	1	1	1	1	1				
		2.8050 - SUB-CAP ASSY., GOVERNOR														
6A	**5195151**	SUB-CAP	1					1	1	1						
6A	**5197087**	SUB-CAP		1	1	1	1				1	1				
6A	**147119**	SCREW, #10-32X1 1/2" HEX. SOCKET	2					2	2	2						

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8050 - SUB-CAP ASSY., GOVERNOR (CONT'D)														
		HD. (12.9027)														
6A	**132133**	BOLT, #10-32X1" FIL. HD. (12.9010)		2	2	2	2				2	2				
6A	**120217**	LOCKWASHER, #10 (12.9200)	2	2	2	2	2	2	2	2	2	2				
		2.8070 - ROD, GOVERNOR FUEL														
6A	**5193028**	ROD	1	1	1	1	1	1	1	1	1	1				
		2.8085 - COVER, GOVERNOR FUEL ROD SPRING														
6A	**5193030**	COVER	1	1	1	1	1	1	1	1	1	1				
6A	**187828**	SCREW, #10-32X1/2" HEX. SKT. HD. (12.9027)	2	2	2	2	2	2	2	2	2	2				
6A	**120217**	LOCKWASHER, #10 (12.9200)	2	2	2	2	2	2	2	2	2	2				
		2.8086 - GASKET, GOVERNOR FUEL ROD SPRING COVER														
6A	**5193033**	GASKET	1	1	1	1	1	1	1	1	1	1				
		2.8120 - SPRING, GOVERNOR FUEL ROD SHORT														
6A	**5193460**	SPRING	1					1	1	1						
6A	**5197125**	SPRING		1	1	1	1				1					
		2.8140 - RETAINER, GOVERNOR FUEL ROD SPRING														
6A	**5193029**	SEAT	1					1	1	1						
6A	**5197088** *	SEAT (.812" DIA.)		1	1	1	1				1	1				
6A	**5197290**	SEAT (.720" DIA.)		1	1	1	1				1	1				
		* NOT SERVICED, REPLACE WITH 5197290 SEAT AND INCLUDE 1-5197288 PIN IN 2.8450.														
		2.8165 - PLUG, GOVERNOR SUB-CAP														
	5193031	PLUG (2.8050)	1	1	1	1	1	1	1	1	1	1				
		2.8180 - SCREW, GOVERNOR LOAD LIMIT														
6A	**3249155**	SCREW	1					1	1	1						
6A	**5197259**	SCREW (1/4"-28X2 3/4")		1	1	1	1				1	1				
6A	**5194069**	WASHER (1/4" COPPER) (2.8050)	1	1	1	1	1	1	1	1	1	1				

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8180 - SCREW, GOVERNOR LOAD LIMIT (CONT'D)														
6A	**454750**	NUT, 1/4"-28 HEX. (THICK) (12.9120)	1					1	1	1						
6A	**122161**	NUT, 1/4"-28 HEX. (THIN) (12.9120)		1	1	1	1				1	1				
		2.8182 - MOTOR ASSY., GOVERNOR SYNCHRONIZING														
	5195392	MOTOR ASSY., 24V.			1				1		1					
	5195384	MOTOR ASSY., 115V.										1				
		2.8190 - HOUSING ASSY., GOVERNOR														
		A HOUSING ASSY. INCLUDES ITEMS IN 2.8480, 2.8483 AND 2.8740.														
6A	**5193025**	HOUSING ASSY.	1					1	1	1						
6A	**5197008**	HOUSING ASSY.		1	1	1	1				1	1				
6A	**444687**	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
		2.8200 - PLUG, GOVERNOR HOUSING DUMMY HOLE														
6A	**3292039**	PLUG	1					1	1	1						
6A	**5197052**	PLUG		1	1	1	1				1	1				
		2.8210 - GASKET, GOVERNOR HOUSING DUMMY HOLE PLUG														
6A	**5156913**	GASKET	2					2	2	2						
6A	**5197066**	GASKET		1	1	1	1				1	1				
		2.8260 - GASKET, GOVERNOR SUB-CAP TO HOUSING														
6A	**3249110**	GASKET	1	1	1	1	1	1	1	1	1	1				
		2.8280 - SHAFT, GOVERNOR SPEED ADJUSTING														
6A	**5196759**	SHAFT	1					1		1						
6A	**5197091**	SHAFT		1		1	1									
6A	**5197103**	SHAFT			1						1	1				
6A	**5193587**	SHAFT							1							
	107762	PIN, 3/32"X5/8" COTTER (12.9250)	1					1	1	1						
	5197846	PIN, ROLL (LEVER TO SHAFT) (12.9275)		1	1	1	1				1	1				

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8350 - SEAL, GOVERNOR SPEED ADJUSTING SHAFT OIL														
6A	3249111	SEAL	2					2	2	2						
	5197065	SEAL		1	1	1	1				1	1				
		2.8355 - *SPRING, SPEED ADJUSTING* SHAFT TORSION														
6A	5195399	SPRING, TORSION	1					1	1	1						
6A	5197064	SPRING, TORSION			1						1	1				
		2.8360 - SLEEVE, GOVERNOR SPEED ADJUSTING SHAFT														
		INCLUDES BUSHING IN 2.8364.														
6A	3304158	SLEEVE ASSY.	1					1		1						
		2.8364 - BUSHING, GOVERNOR SPEED ADJUSTING SHAFT SLEEVE														
	3304052	BUSHING	2					2		2						
		2.8365 - CAP, GOVERNOR SPEED ADJUSTING SHAFT SPACER														
6A	3249149	CAP	1					1	2	1						
		2.8367 - GASKET, GOVERNOR SPEED ADJUSTING SHAFT SPACER CAP														
6A	5156768	GASKET (4.4170)	2					2	2	2						
		2.8410 - *LEVER, GOVERNOR SPEED ADJUSTING* FLOATING														
6A	3292623	LEVER	1					1	1	1						
6A	5197013	LEVER				1	1					1				
		2.8420 - LEVER, GOVERNOR SPEED ADJUSTING														
6A	5193206	LEVER	1					1		1						
6A	5197015	LEVER				1	1					1				
6A	5193588	LEVER							1							

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8420 - LEVER, GOVERNOR SPEED ADJUSTING (CONT'D)														
6A	3249137	PIN	2					2	2	2						
6A	5197016	PIN				1	1					1				
		2.8435 - FORK, GOVERNOR SPEED ADJUSTING LINKAGE SPRING														
6A	3249145	FORK	1					1	1	1						
6A	5197014	FORK				1	1					1				
6A	3249154	LOCKWIRE	1					1	1	1						
		2.8440 - BRACKET, GOVERNOR SPEED ADJUSTING LEVER														
6A	5196110	BRACKET	1					1	1	1						
6A	5197046	BRACKET		1	1	1	1				1	1				
	120216	BOLT, #10-32X1/2" (12.9001)		1	1	1	1				1	1				
6A	180016	BOLT, 1/4"-20X1/2" (12.9001)	1					1	1	1						
6A	446142	WASHER, #10 FLAT (12.9190)		1	1	1	1				1	1				
6A	120392	WASHER, 1/4" FLAT (12.9190)	1					1	1	1						
6A	115545	LOCKWASHER, #10 INT. TOOTH (12.9220)		1	1	1	1				1	1				
6A	120423	LOCKWASHER, #1/4" INT. TOOTH (12.9220)	1					1	1	1						
		2.8450 - LEVER, GOVERNOR SPEED ADJUSTING TERMINAL														
6A	3249153	LEVER	1					1	1	1						
6A	5197047	LEVER				1	1					1				
6A	137171	PIN, 3/32"X1" COTTER (12.9250)	2			2	2	2	2	2		2				
6A	5197288	PIN		1	1	1	1				1	1				
6A	5198332 *	PLATE, TERMINAL LEVER SUPPORT		1	1	1	1				1	1				
		* NO LONGER AVAILABLE FOR SERVICE.														
		2.8470 - SHAFT, GOVERNOR SPEED ADJUSTING TERMINAL														
6A	5199694	SHAFT (2 13/16"L.) (LONG)	1					1	1	1						
6A	3249157	SHAFT (1 19/32" L.) (SHORT)	1					1	1	1						
6A	5197084	SHAFT (2.375"L.) (LONG)		1	1	1	1				1	1				
6A	5197045	SHAFT (1.344"L.) (SHORT)		1	1	1	1				1	1				
		2.8472 - SEAL, GOVERNOR SPEED ADJUST TERMINAL SHAFT OIL														
6A	3249111	SEAL (2.8350)	2					2		2						
6A	5197065	SEAL (2.8350)		1		1	1									

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8480 - SLEEVE ASSY., GOVERNOR SPEED ADJUSTING TERMINAL														
		INCLUDES BUSHING IN 2.8483.														
6A	**3304152**	SLEEVE ASSY.	2					2	2	2						
		2.8483 - BUSHING, GOVERNOR SPEED ADJUSTING TERMINAL SLEEVE														
	3304052	BUSHING (2.8364)	2					2	2	2						
	5197058	BUSHING		2	2	2	2				2	2				
	5197059	BUSHING (2.8364)		2	2	2	2				2	2				
		2.8485 - PLUG, GOVERNOR SPEED ADJUSTING TERMINAL SLEEVE														
6A	**3249167**	PLUG (CUP)	1					1	1	1						
6A	**5197060**	PLUG (IN HOUSING)		2	3	2	2				3	3				
		2.8510 - PISTON, GOVERNOR SERVO MOTOR														
6A	**3291732**	PISTON	1					1	1	1						
6A	**5197019**	PISTON		1	1	1	1				1	1				
	5197062	PIN (PISTON TO TERMINAL LEVER)		1	1	1	1				1	1				
		2.8520 - SCREW, GOVERNOR HI-SPEED STOP														
6A	**3304053**	SCREW (HI-SPEED)	1			1	1	1	1	1		1				
6A	**5194791**	SCREW (LOW SPEED)	1				1									
6A	**5194070**	WASHER (#10 COPPER)	1	1	1	1	1	1	1	1	1	1				
6A	**5194069**	WASHER (1/4" COPPER) (2.8050)	1				1									
6A	**120614**	NUT, #10-32 HEX. (12.9120)	1	1	1	1	1	1	1	1	1	1				
6A	**454750**	NUT, 1/4"-28 HEX. (THICK) (12.9120)	1													
6A	**114492**	NUT, 1/4"-28 HEX. (THIN) (12.9120)					1									
		2.8530 - SPRING, GOVERNOR SPEEDER														
6A	**5194255**	SPRING (BROWN)	1			1	1	1	1	1		1				
		2.8560 - BALL HEAD ASSY., GOVERNOR														
		SOLD ONLY AS AN ASSEMBLY.														
6A	**5197070**	BALL HEAD ASSY. (1 PORT)	1			1	1			1	1					
6A	**5197011**	BALL HEAD ASSY. (4 PORT)		1	1			1	1			1				

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8600 - PLUNGER ASSY., GOVERNOR PILOT VALVE														
6A	**5197010**	PLUNGER	1	1	1	1	1	1	1	1	1	1				
		2.8610 - BEARING, GOVERNOR PILOT VALVE PLUNGER THRUST														
6A	**5157328**	BEARING	1	1	1	1	1	1	1	1	1	1				
		2.8620 - COLLAR, GOVERNOR DRIVE SHAFT														
6A	**5192787**	RING, RETAINING	1	1	1	1	1	1	1	1	1	1				
		2.8630 - VALVE ASSY., GOVERNOR RELIEF														
		INCLUDES VALVE BODY SLEEVE AND ITEMS IN 2.8635; BODY SLEEVES ARE NOT SOLD SEPARATELY.														
6A	**5195202**	VALVE ASSY.	1					1	1	1						
		2.8635 - VALVE KIT, GOVERNOR RELIEF														
		INCLUDES PLUNGER, STOP SLEEVE, SPRING AND PIN; COMPONENT PARTS ARE NOT SOLD SEPARATELY.														
	5197169	VALVE KIT (175 PSI)	1					1	1	1						
		2.8650 - PLUNGER, GOVERNOR RELIEF VALVE														
		INCLUDES PLUNGER AND SLEEVE ASSEMBLY														
	5198627	PLUNGER KIT		1	1	1	1				1	1				
		2.8680 - SPRING, GOVERNOR RELIEF VALVE														
	5197090	SPRING (INNER)		1	1	1	1				1	1				
	5197067	SPRING (OUTER)		1	1	1	1				1	1				
		2.8685 - PLUG, GOVERNOR RELIEF VALVE														
	5197056	PLUG (OIL INLET)		1	1	1	1				1	1				
	5197066	GASKET (2.8210)		1	1	1	1				1	1				

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2.8690	**- BASE, GOVERNOR**														
6A	**5192760**	BASE	1	1	1	1	1	1	1	1	1	1				
	110743	PIN, 3/16"X11/16" STRAIGHT (12.9300)	2					2	2	2						
	5197847	PIN (BASE TO HOUSING)		2	2	2	2				2	2				
	132188	SCREW, #12-24X1/2" FIL. HD. (12.9010)	3	3	3	3	3	3	3	3	3	3				
	2.8700	**- RING, GOVERNOR OIL PUMP HOUSING SEAL**														
6A	**3307753**	RING	1	1	1	1	1	1	1	1	1	1				
	2.8720	**- GEAR, GOVERNOR OIL PUMP DRIVE**														
6A	**3249119**	GEAR	1	1	1	1	1	1	1	1	1	1				
	2.8730	**- GEAR, GOVERNOR OIL PUMP DRIVEN**														
6A	**3249118**	GEAR	1	1	1	1	1	1	1	1	1	1				
	2.8740	**- STUD, GOVERNOR OIL PUMP DRIVEN GEAR TO BASE**														
	3249147	STUD	1	1	1	1	1	1	1	1	1	1				

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8030 - GOVERNOR ASSY.														
	5108314	GOVERNOR ASSY. (SGXA, OUTPUT SHAFT)	1													
	5108315	GOVERNOR ASSY. (SGXA, OUTPUT SHAFT)		1												
	5130879	GOVERNOR ASSY. (SGT DUAL, OUTPUT SHAFT)					1									
	5130047	* GOVERNOR ASSY. (HYDRAULIC LIMITING SPEED) (#042026)						1								
	5130430	GOVERNOR ASSY. (SGXA, OUTPUT SHAFT)							1							
	5132973	GOVERNOR ASSY. (SGXA)								1						
	5133380	GOVERNOR ASSY. (SGX, OUTPUT SHAFT)									1					
	5133379	GOVERNOR ASSY. (SGX, OUTPUT SHAFT)										1				
	186624	BOLT, 5/16"-24X1 1/4" (12.9001)	4	4												
	103320	LOCKWASHER, 5/16" (12.9200)	4	4												
	114493	NUT, 5/16"-24 HEX. (12.9120)	4	4												
		* NOT SERVICED AS AN ASSY. COMPONENT PARTS MAY BE PROCURED FROM WOODWARD GOV. USING THEIR PART NO.														
		2.8035 - GASKET, GOVERNOR TO BLOWER														
	3224773	GASKET (TO TORQUE CONVERTER) (2.8760)				1			1							
		2.8040 - COVER, GOVERNOR														
6A	**5194793**	COVER	1	1						1	1	1				
6A	**5197647**	COVER					1									
6E	**5199501**	COVER						1								
6A	**5199831**	COVER	1	1					1							
6E	**5193085**	SCREW (VENT)					1	1								
	5195361	SCREW (#10-32X1/2" SOCKET HEAD)					1									
6A	**5197607**	SCREW, #10-32X1 3/8" FIL. HD. (WITH LOCKWASHER) (12.9010)	3	3					3	3	3	3				
	9407151	SCREW, #10-32X2" SOCKET HEAD					7									
6E	**9406758**	BOLT (1/4"-28X3/8")						1								
6E	**5198029**	BOLT (WITH LOCKWASHER)						3								
6A	**115545**	LOCKWASHER, #10 INT. TOOTH (12.9200)	3	3						3						
6A	**120217**	LOCKWASHER, #10 (12.9200)					9		3							
6E	**120423**	LOCKWASHER, 1/4" INT. TOOTH (12.9200)						2	1							
		2.8045 - GASKET, GOVERNOR COVER														
6A,E	**3249110**	GASKET (2.8260)	1	1				1	1	1	1	1				
	5195360	GASKET					1									
		2.8050 - SUB-CAP ASSY., GOVERNOR														
	5197816	* SUB-CAP ASSY.					1									
6A	**5197087**	SUB-CAP	1	1					1	1	1	1				
6E	**5198003**	@ SUB-CAP (#042040)						1								

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8050 - SUB-CAP ASSY., GOVERNOR (CONT'D)														
6E	**5198001**	@ PLATE, TERMINAL LEVER SHAFT POSITION INDICATED (#223362)						1								
6E	***5197983***	@ *PIN, DOWEL (#184843)*						2								
6A	**132133**	SCREW, #10-32 X 1" FIL. HD. (12.9010) (#218195)	2	2					2	2	2	2				
	147121	SCREW, #10-32X1 1/2" HEX. SOCKET HD. (12.9027)					2									
6E	**5197982**	@ BOLT, #6-32 X 3/8" (NYLOK) (#218195)						2								
6E	**5197981**	@ WASHER (.145 X .150 I.D. X .31 O.D.) (#186305)						2								
6A	**120217**	LOCKWASHER, #10 (12.9200)	2	2			2		2	2	2	2				
		* INCLUDES ITEMS IN 2.8060, 2.8070, 2.8085, 2.8086, 2.8130, 2.8140, 2.8165, 2.8180, 2.8520 AND 2.8525.														
		@ NOT SERVICED, PROCURE FROM WOODWARD GOV. CO. USING THEIR PART NO.														
		2.8060 - BUSHING, GOVERNOR SUB-CAP														
	3249114	BUSHING					1									
		2.8070 - ROD, GOVERNOR FUEL														
A	**5193028**	ROD	1	1					1	1	1	1				
	5195629	ROD (SPRING GUIDE)					1									
		2.8085 - COVER, GOVERNOR FUEL ROD SPRING														
6A	**5193030**	COVER	1	1			1		1	1	1	1				
6A	**120216**	BOLT, #10-32X1/2" (12.9001)	2	2					2	2	2	2				
6A	**187828**	SCREW, #10-32X1/2" HEX. SKT. HD. (12.9027)					2									
6A	**120217**	LOCKWASHER, #10 (12.9200)	2	2			2		2	2	2	2				
		2.8086 - GASKET, GOVERNOR FUEL ROD SPRING COVER														
6A	**5193033**	GASKET	1	1			1		1	1	1	1				
		2.8120 - SPRING, GOVERNOR FUEL ROD SHORT														
6A	**5197125**	SPRING	1	1						1						
6A	**5193460**	SPRING			1	1			1							
		2.8130 - SPRING, GOVERNOR FUEL ROD LONG														
	5197125	SPRING	1	1												
6A	**5193032**	SPRING					1									
6A	**5197124**	SPRING							1		1	1				

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8140 - RETAINER, GOVERNOR FUEL ROD SPRING														
6A	**5197088**	* SEAT (.812" DIA.)	1	1					1		1					
6A	**5197290**	SEAT (.720" DIA.)	1	1					1	1	1	1				
6A	**5193029**	SEAT					1									
		* NOT SERVICED. REPLACE WITH 5197290 AND INCLUDE 1-5197288 PIN IN 2.8450.														
		2.8165 - PLUG, GOVERNOR SUB-CAP														
	5193031	PLUG (2.8050)	1	1					1	1	1	1				
	5195630	PLUG					1									
		2.8180 - SCREW, GOVERNOR LOAD LIMIT														
6A	**5197259**	SCREW (1/4"-28X2 3/4")	1	1					1	1	1	1				
6A	**3249155**	SCREW					1									
6A	**5194069**	WASHER (1/4" COPPER) (2.8050)	1	1			1		1	1	1	1				
6A	**114492**	NUT, 1/4"-28 ELASTIC STOP (12.9120)	1	1						1	1	1				
	121902	NUT, 1/4"-28 HEX. (12.9120)					1		1							
		2.8190 - HOUSING ASSY., GOVERNOR														
		A HOUSING ASSY. INCLUDES ITEMS IN 2.8480, 2.8483 AND 2.8740. 5195203 HOUSING ASSY. ALSO INCLUDES 5195204 SUB HOUSING IN 2.8190.														
6A	**5197008**	HOUSING ASSY.	1	1					1	1	1	1				
6A	**5195203**	HOUSING ASSY.					1									
6E	**5198006**	* HOUSING ASSY. (#042131)						1								
	5195204	HOUSING, SUB ASSY.					1									
	5197052	PLUG	1	1							1	1				
	5195342	PLUG, 1/16" PIPE (12.9550)					1									
6A,E	**5145009**	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
		* NOT SERVICED PROCURE FROM WOODWARD GOV. CO. USING THEIR PART NO.														
		2.8200 - PLUG, GOVERNOR HOUSING DUMMY HOLE														
6A	**3292039**	PLUG					2									
6E	**5197052**	PLUG						1	1	1						
6A	**5197095**	SLEEVE (OIL INLET) (2.8910)	1	1					1		1	1				
6E	**9415671**	SCREW (#10-32X3/8") (PLUG)						1								
		2.8210 - GASKET, GOVERNOR HOUSING DUMMY HOLE PLUG														
6A,E	**5197066**	GASKET	1	1				1	1		1	1				
6A	**5156768**	GASKET					2									

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8260 - GASKET, GOVERNOR SUB-CAP TO HOUSING														
6A	3249110	GASKET	1	1			1	1	1		2	1				
6E	5195358	GASKET														
		2.8280 - SHAFT, GOVERNOR SPEED ADJUSTING														
6A	5197072	SHAFT	1									1				
6A	5197044	SHAFT		1					1		1					
	5199957	SHAFT (R.H.)					1									
	5195371	SHAFT (L.H.)					1									
6A	5132906	SHAFT								1						
	5195249	SPACER (2.8366)					1									
	5195370	LEVER, YIELDING (R.H.)					1									
	5195250	LEVER, SPRING YIELD					1									
	5197846	PIN, ROLL (LEVER TO SHAFT)	1	1					1	1	1	1				
	137124	PIN, 1/16"X5/16" COTTER (12.9250)					1									
	103373	PIN, 3/32"X3/4" COTTER (12.9250)					1									
	137171	PIN, 3/32"X1" COTTER (12.9250)					1					2				
	5199958	CAP, SPACER					1									
		2.8350 - SEAL, GOVERNOR SPEED ADJUSTING SHAFT OIL														
6A	5197065	SEAL	1	1					2	1	1	1				
6A	3249111	SEAL					6									
		2.8355 - SPRING, SPEED ADJUSTING SHAFT TORSION														
6A	5197064	SPRING, TORSION	1	1						1						
6A	5195399	SPRING, TORSION			1	1										
		2.8360 - SLEEVE, GOVERNOR SPEED ADJUSTING SHAFT														
		INCLUDES BUSHING IN 2.8364.														
6A	3304158	SLEEVE ASSY.					1									
	5195230	SLEEVE ASSY.					1									
		2.8363 - GASKET, GOVERNOR SPEED ADJUSTING SHAFT														
6A	5156768	GASKET					2									

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8364 - BUSHING, GOVERNOR SPEED ADJUSTING SHAFT SLEEVE														
	3304052	BUSHING					2									
	3292625	BUSHING					2									
		2.8365 - CAP, GOVERNOR SPEED ADJUSTING SHAFT SPACER														
		2.8365 - CAP, GOVERNOR SPEED ADJUSTING SHAFT SPACER														
6A	**3249149**	CAP (ENGINE GOVERNOR)					1									
	5195232	CAP (T/C GOVERNOR)					1									
		2.8366 - BUSHING, GOVERNOR SPEED ADJUSTING SHAFT SPACER CAP														
	5195231	SPACER					1									
		2.8367 - GASKET, GOVERNOR SPEED ADJUSTING SHAFT SPACER CAP														
6A	**5156768**	GASKET (4.4170)					2									
		2.8410 - LEVER, GOVERNOR SPEED ADJUSTING FLOATING														
6A	**5197013**	LEVER	1	1					1		1	1				
6A	**3292623**	LEVER (ENGINE GOVERNOR)			1	1	1									
	5195210	LEVER (T/C GOVERNOR)					1									
6E	**5197991**	LEVER						1								
6E	**5197984**	* PIN (#214238)						1								
		* NOT SERVICED, PROCURE FROM WOODWARD GOV. CO. USING THEIR PART NUMBER.														
		2.8420 - LEVER, GOVERNOR SPEED ADJUSTING														
6A	**5197015**	LEVER	1	1					1		1	1				
6A	**5193206**	LEVER (ENGINE GOVERNOR)					1									
	5195215	LEVER (T/C GOVERNOR)					1									
6A	**5197016**	PIN	1	1					1		1	1				
6A	**3249137**	PIN			2	2	2									
	5195213	PIN					1									
	107761	PIN, 1/16"X5/8" COTTER (12.9250)					1									

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8423 - PIVOT, GOVERNOR BAND LEVEL ADJUSTING														
6E	**5197987**	* PIVOT ARM ASSY. (#042048)						1								
	5197985	* PIN (#214237)						1								
6E	**5197999**	* SCREW, LOCKING (#042135)						1								
6E	**124925**	NUT, 3/8"-24 HEX. (12.9120)						1								
		* NOT SERVICED, PROCURE FROM WOODWARD GOV. CO. USING THEIR PART NO.														
		2.8426 - PICK UP, GOVERNOR HIGH SPEED														
6E	**5197986**	* PICK UP ASSY. (#042104)						1								
		* NOT SERVICED, PROCURE FROM WOODWARD GOV. CO. USING THEIR PART NO.														
		2.8435 - FORK, GOVERNOR SPEED ADJUSTING LINKAGE SPRING														
6A	**5197014**	FORK	1	1					1		1	1				
6A	**3249145**	FORK (ENGINE GOVERNOR)			1	1	1									
	5195211	FORK (T/C GOVERNOR)					1									
6A	**3249154**	LOCKWIRE			1	1	2									
	5195214	PIN					1									
		2.8440 - BRACKET, GOVERNOR SPEED ADJUSTING LEVER														
6A,E	**5197046**	BRACKET	1	1				1	1	1	1	1				
6A	**5196110**	BRACKET (ENGINE GOVERNOR)			1	1	1									
	5196829	BRACKET (T/C GOVERNOR)					1									
6A	**120216**	BOLT, #10-32X1/2" (12.9001)	1	1					1	1		1				
6E	**132119**	BOLT, #10-32X5/8" FIL. HD. (12.9010)						1								
6A	**180016**	BOLT, 1/4"-20X1/2" (12.9001)			1	1	1									
	5193082	BOLT, 1/4"-28X1/2"					1									
6A,E	**446142**	WASHER, #10 FLAT (12.9190)	1	1					1	1	1		1			
6A	**120392**	WASHER, 1/4" FLAT (12.9190)			1	1	2									
6A	**115545**	LOCKWASHER, #10 INT. TOOTH (12.9220)	1	1					1	1		1				
6A	**120423**	LOCKWASHER, 1/4" INT. TOOTH (12.9220)			1	1	2									
		2.8450 - LEVER, GOVERNOR SPEED ADJUSTING TERMINAL														
6A	**5197047**	LEVER	1	1							1	1				
6A	**3249153**	LEVER			1	1										
	5195368	LEVER (TERMINAL)(R.H.)					1									
	5195369	@ LEVER, DROOP (R.H.)(T/C GOVERNOR)					1									
	5195219	LEVER ASSY., LINKAGE (INCLUDES 5195221 PIN)					1									
6E	**5197083**	LEVER						1								

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8450 - LEVER, GOVERNOR SPEED ADJUSTING TERMINAL (CONT'D)														
	5195228	LINK, SPEED DROOP					1									
	5195227	SPRING, DROOP LEVER					1									
6A	**5197288**	PIN	1	1					1	1		1				
	107761	PIN, 1/16"X5/8" COTTER (12.9250)					2									
6E	**103373**	PIN, 3/32"X3/4" COTTER (12.9250)						2	2							
6A	**137171**	PIN, 3/32"X1" COTTER (12.9250)	2	2	2	2	2				2					
	5195223	PIN, CONTACT					1									
	5195226	PIN, DROOP LEVER					1									
	5195221	PIN					1									
	5198332	* PLATE, TERMINAL LEVER SUPPORT	1	1					1	1	1	1				
		* NOT SERVICED USE 5197047														
		@ OBSOLETE.														
		2.8470 - SHAFT, GOVERNOR SPEED ADJUSTING TERMINAL														
6A	**5197084**	SHAFT (LONG)	1	1					1	1	1	1				
6A,E	**5197045**	SHAFT (SHORT)	1	1				1	1	1	1	1				
6A	**5199694**	SHAFT (2 13/16" L.)(LONG)			1	1	1									
6A	**3249157**	SHAFT (1 19/32" L.)(SHORT)			1	1	1									
	5195222	SHAFT, DROOP			1	1	1									
6A,E	**5197992**	* SHAFT (LONG) (#042050)						1								
	5194815	RING, RETAINING					1									
6E	**5198000**	* POINTER, TERMINAL LEVER SHAFT (2.8410) (#042146)						1								
6E	**131845**	SCREW, #4-40X1/2" LOCKING						1								
E	**131043**	LOCKWASHER, #4 (12.9200)						1								
		* NOT SERVICED, PROCURE FROM WOODWARD GOV. CO. USING THEIR PART NO.														
		2.8472 - SEAL, GOVERNOR SPEED ADJUSTING TERMINAL SHAFT OIL														
6A,E	**5197065**	SEAL (2.8350)	1	1				1								
6A	**3249111**	SEAL (2.8350)			2	2	6									
		2.8480 - SLEEVE ASSY., GOVERNOR SPEED ADJUSTING TERMINAL														
		INCLUDES BUSHING IN 2.8483.														
6A	**3304152**	SLEEVE ASSY.			2	2	2									
		2.8483 - BUSHING, GOVERNOR SPEED ADJUSTING TERMINAL SLEEVE														
6E	**5197058**	BUSHING	2	2				2	2	2	2	2				
6E	**5197059**	BUSHING (2.8364)	2	2					2	2	2	2				
6E	**3304052**	BUSHING (2.8364)			2	2	2									

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8485 - PLUG, GOVERNOR SPEED ADJUSTING TERMINAL SLEEVE														
6A,E	**5197060**	PLUG (IN HOUSING)	2	2				3	2	2	2	2				
6A	**3249167**	PLUG (CUP)			2	2	2									
		2.8510 - PISTON, GOVERNOR SERVO MOTOR														
6A,E	**5197019**	PISTON	1	1				1	1		1	1				
6A	**3291732**	PISTON			1	1	1									
6A,E	**5197062**	PIN (PISTON TO TERMINAL LEVER)	1	1				1	1		1	1				
		2.8515 - VALVE ASSY., GOVERNOR CHECK														
	5195248	VALVE ASSY.					1									
	5196143	RING, SEAL					1									
	5195253	PLUG					1									
		2.8520 - SCREW, GOVERNOR HI-SPEED STOP														
6A	**3304053**	SCREW (HI-SPEED)	1	1	1	1			1		1	1				
6A	**5194791**	SCREW (LOW SPEED)	1	1	1	1			1	1	1	1				
6A	**5195352**	SCREW (ENGINE GOVERNOR)					1									
	5195350	SCREW (IN SUB CAP)					1									
6A	**5194070**	WASHER (#10 COPPER)	1	1	1	1			1	1	1	1				
6A	**5194069**	WASHER (1/4" COPPER) (2.8050)	1	1	1	1			1							
6A	**120614**	NUT, #10-32 HEX. (12.9120)	1	1	1	1			1	1	1	1				
	120375	NUT, 1/4"-20 HEX. (12.9120)					2									
6A	**114492**	NUT, 1/4"-28 HEX. (THIN) (12.9120)	1	1			1		1			1				
6A	**454750**	NUT, 1/4"-28 ELASTIC STOP (12.9120)			1	1										
		2.8525 - SCREW, LOW SPEED STOP														
6E	**454745**	SCREW, STOP (12.9025)						1								
	5195351	SCREW, STOP (IN SUB CAP)					1									
	5195349	SCREW, STOP (ONE (1) IN SUB CAP)					2									
	5194070	WASHER (#10 COPPER) (2.8520)						1								
	115545	LOCKWASHER, #10 INT. TOOTH (12.9220)					2									
	120614	NUT, #10-32 HEX. (12.9120)					2									
	120375	NUT, 1/4"-20 (12.9120)					2									
		2.8530 - SPRING, GOVERNOR SPEEDER														
6A	**5194255**	SPRING (BROWN) (ENGINE GOVERNOR)	1	1	1	1	1		1	1	1	1				
	5195212	SPRING (T/C GOVERNOR)					1									
6E	**5197988**	* SPRING, IDLE SPEED (LOW RANGE)						1								

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8530 - SPRING, GOVERNOR SPEEDER (CONT'D)														
6E	**5197989**	* SPRING, HIGH SPEED (HIGH RANGE) (#192866)						1								
6E	**5197998**	* CAGE, HIGH SPEED SPRING (#042044)						1								
6E	**5197990**	* PLUG, NYLON (ADJUSTING NUT LOCKING) (#366324)						1								
6E	**5197996**	* PIN, IDLE SPEED ADJUSTING (#214239)						1								
6E	**140892**	SCREW, #8-32X1/4" SET (12.9027)						1								
6E	**5197993**	* NUT, HIGH SPEED SPRING ADJUSTING (#042045)						1								
		* NOT SERVICED, PROCURE FROM WOODWARD GOV. CO. USING THEIR PART NO.														
		2.8540 - SEAT, GOVERNOR SPEEDER SPRING														
6E	**5197995**	* SEAT (IDLE SPEED) (#042042)						1								
6E	**5197994**	* SEAT (HIGH SPEED) (#042043)						1								
		* NOT SERVICED, PROCURE FROM WOODWARD GOV. CO. USING THEIR PART NO.														
		2.8552 - BRACKET ASSY., ANTI-STALL LEVER														
		A BRACKET ASSY. INCLUDES BRACKET IN 2.8552 AND ITEMS IN 2.8553.														
	5194814	BRACKET ASSY.					1									
	5195102	BRACKET					1									
	5195347	DOWEL (3/32"X3/8")					1									
	442036	SCREW, #8-32X1/2" SOCKET HD. (12.9027)					1									
	138530	LOCKWASHER, #8 INT. TOOTH (12.9220)					1									
		2.8553 - LEVER, ANTI-STALL														
	5195367	LEVER					1									
	137124	PIN					1									
	5195345	SCREW (#10-32X7/8")					1									
	446120	WASHER, 5/32"X5/16" FLAT (12.9190)					1									
	5197483	NUT (#10-32 HEX. STOP)					1									
		2.8554 - ROD, ANTI-STALL														
	5195348	ROD (IDLE SPEED)					1									
		2.8560 - BALL HEAD ASSY., GOVERNOR														
		SOLD ONLY AS AN ASSEMBLY.														
6A,E	**5197011**	BALL HEAD ASSY.	1	1	1	1		1			1	1				
6A	**5197070**	BALL HEAD ASSY. (ENGINE GOVERNOR)					1			1						
	5195206	BALL HEAD ASSY. (T/C GOVERNOR)					1									

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8560 - BALL HEAD ASSY., GOVERNOR (CONT'D)														
6A	**5197102**	BALL HEAD ASSY.							1							
		2.8600 - PLUNGER ASSY., GOVERNOR PILOT VALVE														
		A PLUNGER ASSY. INCLUDES SEAT WHICH IS NOT SOLD SEPARATELY.														
	5195207	PLUNGER ASSY. (T/C GOVERNOR)					1									
6A	**5197010**	PLUNGER	1	1	1	1	1		1	1	1	1				
6E	**5197997**	* PLUNGER						1								
		* NOT SERVICED, PROCURE FROM WOODWARD GOV. CO. USING THEIR PART NO.														
		2.8610 - BEARING, GOVERNOR PILOT VALVE PLUNGER THRUST														
6A,E	**5157328**	BEARING (ENGINE GOVERNOR)	1	1	1	1	1	1	1	1	1	1				
	5149396	BEARING (T/C GOVERNOR) (7.4647)					1									
		2.8620 - COLLAR, GOVERNOR DRIVE SHAFT														
6A,E	**5192787**	RING, RETAINING	1	1	1	1	2	1	1	1	1	1				
		2.8630 - VALVE ASSY., GOVERNOR RELIEF														
		INCLUDES VALVE SLEEVE AND VALVE KIT IN 2.8635; COMPONENT PARTS ARE NOT SOLD SEPARATELY.														
6A	**5195179**	VALVE ASSY. (75PSI)					1									
		2.8635 - VALVE KIT, GOVERNOR RELIEF														
		INCLUDES PLUNGER, SLEEVE, SPRING AND PIN; COMPONENT PARTS ARE NOT SOLD SEPARATELY.														
	5192300	VALVE KIT (75PSI)					1									
		2.8640 - GASKET, GOVERNOR RELIEF VALVE														
6A,E	**5197066**	GASKET (2.8210)	1	1				1	1	1	1	1				
6A	**5156768**	GASKET (2.8210)			1	1	1									

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8650 - PLUNGER, GOVERNOR RELIEF VALVE														
		A PLUNGER KIT CONSISTS OF A PLUNGER AND SLEEVE ASSEMBLY.														
	5198627	PLUNGER KIT						1		1						
		2.8660 - SLEEVE, GOVERNOR RELIEF VALVE														
	5197095	SLEEVE (OIL INLET) (2.8910)	1	1							1	1				
	5193071	SLEEVE (OIL INLET) (2.8910)			1	1										
		2.8680 - SPRING, GOVERNOR RELIEF VALVE														
6E	**5197067**	SPRING (OUTER)	2	2				1		1	1	2				
6E	**5197090**	SPRING (INNER)						1		1						
		2.8685 - PLUG, GOVERNOR RELIEF VALVE														
6E	**5197056**	PLUG (OIL INLET)	1	1				1	1	1	1	1				
		2.8690 - BASE, GOVERNOR														
6A,E	**5192760** *	BASE (REQUIRES 3307753, 5193653 & 3249147)	1	1	1	1		1	1	1	1	1				
6A	**5195238**	BASE					1									
	5195241	ADAPTOR (T/C GOVERNOR BASE)					1									
	5175276	SEAL, OIL (ADAPTOR)					1									
	110743	PIN, 3/16"X11/16" STRAIGHT (12.9300)	2	2	2	2	2									
	5195239	PIN, DOWEL					2	2	2	2	2	2				
	5197847	PIN					2									
	444692	PLUG, 1/4" PIPE (12.9550)														
6E	**132188**	SCREW, #12-24X1/2" FIL. HD. (12.9010)	3	3	3	3	5	3	3	3	3	3				
	186923	SCREW, 1/4"-20X5/8" (12.9010)					3									
	138201	SCREW, 1/4"-20X3/4" (12.9010)					1									
6E	**120216**	BOLT, #10-32X1/2" FIL. HD. (12.9010)						1								
	120217	LOCKWASHER, #10 (12.9200)						3								
	106498	LOCKWASHER, #12 (12.9200)	3	3	3	3										
	5193050	LOCKWASHER (1/4") (2.8445)					5									
	120423	LOCKWASHER, 1/4" (12.9200)					3									
		* REQUIRED FOR TAIL SHAFT GOVERNORS														
		2.8700 - RING, GOVERNOR OIL PUMP HOUSING SEAL														
6A,E	**3307753**	RING, SEAL (BASE WITH GEAR SOCKET)			1	1		1		1						
6A	**5195240**	RING					1									
	5195244	RING (ADAPTOR - T/C GOVERNOR)					1									

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8700 - RING, GOVERNOR OIL PUMP HOUSING SEAL(CONT'D)														
	5199921	GASKET (BASE LESS GEAR PACKET)	1	1					1		1	1				
		2.8720 - GEAR, GOVERNOR OIL PUMP DRIVE														
6A	**5195243**	GEAR					1									
6E	**3249119**	GEAR						1		1						
		2.8730 - GEAR, GOVERNOR OIL PUMP DRIVEN														
6A	**5195242**	GEAR					1									
6E	**3249118**	GEAR							1		1					
	5193653	SPACER	1	1	1	1					1	1				
		2.8740 - STUD, GOVERNOR OIL PUMP DRIVEN GEAR BASE TO														
	3249147	STUD	1	1	1	1		1		1	1	1				
	5195205	STUD					1									

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8030 - GOVERNOR, ASSEMBLY														
	5136988	GOVERNOR ASSY. (SGXA) (WITH 220V. MOTOR)	1													
	5134207	GOVERNOR ASSY. (SGX)(WITH 115V. MOTOR)		1												
	5142901	GOVERNOR ASSY. (SGX)(WITH 115V. MOTOR)			1											
		2.8040 - COVER, GOVERNOR														
	5197127	COVER	1	1	1											
	5195385	COVER, FRICTION	1	1	1											
	5198168	DISC, FRICTION	1	1	1											
	5195391	SCREW, SPEED ADJUSTING	1	1	1											
	5195390	SCREW (#6-32 SET)	1	1	1											
	132105	SCREW, #10-32X3/8" FIL. HD. (12.9010)	1	1	1											
6A	**5197607**	SCREW, #10-32X1 3/8" FIL. HD. (WITH LOCKWASHER) (12.9010)	3	3	3											
	5195388	WASHER, SPRING	1	1	1											
	5198169	WASHER, FIBER	1	1	1											
	5195099	LOCKWIRE	1	1												
	147121	BOLT, #10-32X1 1/2" (12.9027)	1	1												
	454750	NUT, 1/4"-28 NYLON INSERT (12.9120)	1	1												
		2.8045 - GASKET, GOVERNOR COVER														
6A,E	**3249110**	GASKET (2.8260)	1	1	1											
		2.8050 - SUB-CAP ASSY., GOVERNOR														
6A	**5197087**	SUB-CAP	1	1	1											
6A	**132133**	SCREW, #10-32X1" FIL. HD. (12.9010)	2		2											
6A	**120217**	LOCKWASHER, #10 (12.9200)	2		3											
		2.8070 - ROD, GOVERNOR FUEL														
6A	**5193028**	ROD	1	1	1											
		2.8085 - COVER, GOVERNOR FUEL ROD SPRING														
6A	**5193030**	COVER	1	1	1											
6A	**187828**	BOLT, #10-32X1/2" (12.9001)		2												
6A	**120216**	BOLT, #10-32X1/2" (12.9001)	2	2	2											
6A	**120217**	LOCKWASHER, #10 (12.9200)			2											

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8086 - GASKET, GOVERNOR FUEL ROD SPRING COVER														
6A	5193033	GASKET	1	1	1											
		2.8120 - SPRING, GOVERNOR FUEL ROD SHORT														
6A	5197125	SPRING	1	1	1											
		2.8140 - RETAINER, GOVERNOR FUEL ROD SPRING														
6A	5197290	SEAT (.720" DIA.)	1	1	1											
		2.8165 - PLUG, GOVERNOR SUB-CAP														
	5193031	PLUG (2.8050)	1	1	1											
		2.8180 - SCREW, GOVERNOR LOAD LIMIT														
6A	5197259	SCREW (1/4"-28X2 3/4")	1	1	1											
6A	5194069	WASHER (1/4" COPPER)(2.8050)	1	1	1											
6A	122161	NUT, 1/4"-28 THIN HEX. (12.9120)	1													
		2.8182 - MOTOR ASSY., GOVERNOR SYNCHRONIZING														
	5199858	MOTOR (220 VOLT)	1													
	5195384	MOTOR (115 VOLT)(2.9355)		1	1											
	5195389	SCREW, #10-32X7/8" FIL. HD. (12.9010)		4	4											
	5194070	WASHER, COPPER (.203"I.D.)(2.8520)		4	4											
		2.8190 - HOUSING ASSY., GOVERNOR														
		INCLUDES ITEMS IN 2.8480, 2.8483 AND 2.8740.														
6A	5197008	HOUSING ASSY.	1	1	1											
	5197052	PLUG (2.8200)	1	1	1											
	5145009	PLUG, 1/8" PIPE (12.9550)	1	1	1											
		2.8200 - PLUG, GOVERNOR HOUSING DUMMY HOLE														
CA	3292039	PLUG	1													

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8210 - GASKET, GOVERNOR HOUSING DUMMY HOLE PLUG														
6A,E	**5197066**	GASKET	1	2	2											
		2.8260 - GASKET, GOVERNOR SUB-CAP TO HOUSING														
6A	**3249110**	GASKET	1	1												
		2.8280 - SHAFT, GOVERNOR SPEED ADJUSTING														
	5197103	SHAFT		1	1											
6A	**5197846**	PIN, ROLL (LEVER TO SHAFT)(12.9275)	1	1	1											
		2.8350 - SEAL, GOVERNOR SPEED ADJUSTING SHAFT OIL														
6A	**5197065**	SEAL	1	1	1											
		2.8355 - SPRING, SPEED ADJUSTING SHAFT TORSION														
6A	**5197064**	SPRING, TORSION	1	1	1											
		2.8364 - BUSHING, GOVERNOR SPEED ADJUSTING SHAFT SLEEVE														
	5197059	BUSHING	2	2	2											
		2.8410 - LEVER, GOVERNOR SPEED ADJUSTING FLOATING														
6A	**5197013**	LEVER	1	1	1											
		2.8420 - LEVER, GOVERNOR SPEED ADJUSTING														
6A	**5197015**	LEVER	1	1	1											
6A	**5197016**	PIN	1	1	1											
		2.8435 - FORK, GOVERNOR SPEED ADJUSTING LINKAGE SPRING														
6A	**5197014**	FORK	1	1	1											

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8440 - BRACKET, GOVERNOR SPEED ADJUSTING LEVER														
6A,E	**5197046**	BRACKET	1	1	1											
	132105	BOLT, #10-32X3/8" FIL. HD. (12.9010)			1											
	120216	BOLT, #10-32X1/2" (12.9001)	1	1												
6A,E	**446142**	WASHER, #10 FLAT (12.9190)	1	1	1											
6A	**115545**	LOCKWASHER, #10 INT. TOOTH (12.9220)	1													
		2.8450 - LEVER, GOVERNOR SPEED ADJUSTING TERMINAL														
6A	**5197047**	LEVER	1	1	1											
6A	**5197288**	PIN	1	1	1											
6A	**103373**	PIN, 3/32"X3/4" COTTER (12.9250)		2	2											
6A	**137171**	PIN, 3/32"X1" COTTER (12.9250)	2													
6A	**5198332** *	PLATE, TERMINAL LEVER SUPPORT	1	1												
		* NO LONGER AVAILABLE FOR SERVICE.														
		2.8470 - SHAFT, GOVERNOR SPEED ADJUSTING TERMINAL														
6A	**5197084**	SHAFT (LONG)	1	1	1											
6A,E	**5197045**	SHAFT (SHORT)	1	1	1											
		2.8472 - SEAL, GOVERNOR SPEED ADJUSTING TERMINAL SHAFT OIL														
6A,E	**5197065**	SEAL (2.8350)	1	1	1											
		2.8483 - BUSHING, GOVERNOR SPEED ADJUSTING TERMINAL SLEEVE														
6E	**5197058**	BUSHING	2	2	2											
		2.8485 - PLUG, GOVERNOR SPEED ADJUSTING TERMINAL SLEEVE														
6A,E	**5197060**	PLUG (IN HOUSING)	2	2	2											
		2.8510 - PISTON, GOVERNOR SERVO MOTOR														
6A,E	**5197019**	PISTON	1	1	1											
6A,E	**5197062**	PIN (PISTON TO TERMINAL LEVER)	1	1	1											

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2.8520	**- SCREW, GOVERNOR HI-SPEED STOP**														
	147121	SCREW, #10-32X1 1/2" HEX. SOC. HD. (12.9027)		1	1											
6A	**3304053**	SCREW (HI-SPEED)	1													
6A	**5194070**	WASHER (#10 COPPER)	1	4	1											
6A	**5194069**	WASHER (1/4" COPPER) (2.8050)	1													
6A	**120614**	NUT, #10-32 HEX. (12.9120)	1	1	1											
6A	**114492**	NUT, 1/4"-28 HEX. (THIN) (12.9120)	1													
	2.8530	**- SPRING, GOVERNOR SPEEDER**														
6A	**5194255**	SPRING (BROWN) (ENGINE GOVERNOR)	1	1	1											
	2.8560	**- BALL HEAD ASSY., *GOVERNOR***														
		SOLD ONLY AS AN ASSEMBLY.														
6A	**5197070**	BALL HEAD ASSY. (ENGINE GOVERNOR)	1	1												
6A	**5192784**	BALL HEAD ASSY.			1											
	2.8600	**- PLUNGER ASSY., GOVERNOR PILOT VALVE**														
		A PLUNGER ASSY. INCLUDES SEAT WHICH IS NOT SOLD SEPARATELY.														
6A	**5197010**	PLUNGER	1	1	1											
	2.8610	**- BEARING, GOVERNOR PILOT VALVE PLUNGER THRUST**														
6A,E	**5157328**	BEARING (ENGINE GOVERNOR)	1	1	1											
	2.8620	**- COLLAR, GOVERNOR DRIVE SHAFT**														
6A,E	**5192787**	RING, RETAINING	1	1	1											
	2.8640	**- GASKET, GOVERNOR RELIEF VALVE**														
6A,E	**5197066**	GASKET (2.8210)	1	1	1											
	2.8650	**- PLUNGER, GOVERNOR RELIEF VALVE**														
		A PLUNGER KIT CONSISTS OF A PLUNGER AND SLEEVE ASSEMBLY.														
	5198627	PLUNGER KIT	1	1	1											

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8680 - SPRING, GOVERNOR RELIEF VALVE														
6E	5197067	SPRING (OUTER)	1	1	1											
6E	5197090	SPRING (INNER)	1	1	1											
		2.8685 - PLUG, GOVERNOR RELIEF VALVE														
6E	5197056	PLUG (OIL INLET)	1	1	1											
		2.8690 - BASE, GOVERNOR														
6A,E	5192760	BASE	1	1	1											
	5197847	PIN	2	2	2											
6E	132188	SCREW, #12-24X1/2" FIL. HD. (12.9010)	3	3	3											
		2.8700 - RING, GOVERNOR OIL PUMP HOUSING SEAL														
6A,E	3307753	RING	1	1	1											
		2.8720 - GEAR, GOVERNOR OIL PUMP DRIVE														
6E	3249119	GEAR	1	1	1											
		2.8730 - GEAR, GOVERNOR OIL PUMP DRIVEN														
6E	3249118	GEAR	1	1	1											
		2.8740 - STUD, GOVERNOR OIL PUMP DRIVEN GEAR TO BASE														
	3249147	STUD	1	1	1											

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 95	96	97	112	113	114	115	116	117	118	119	123
		2.9001 - TUBE AND LEVER ASSY., INJECTOR CONTROL												
		INCLUDES ONE (1) FRONT BRACKET IN 2.9003, PIN IN 2.9007, LEVER AND PIN IN 2.9009 AND SPACER IN 2.9010.												
7A,E,F	**5196566**	@ TUBE ASSY. (LEFT BANK) (5197426) (6V-71)	1				1			1				1
7A,E,F	**5196565**	@ TUBE ASSY. (RIGHT BANK) (5197425) (6V-71)	1				1			1				1
7A,E,F	**5196567**	@ TUBE ASSY. (RIGHT BANK) (5197427) (8V-71)		1				1			1			
7A,E,F	**5196568**	@ TUBE ASSY. (LEFT BANK) (5197428) (8V-71)		1				1			1			
7A,E,F	**5196570**	@ TUBE ASSY. (LEFT BANK) (5196758) (12V-71)			1				1			1		
7A,E,F	**5196569**	@ TUBE ASSY. (RIGHT BANK) (5196757) (12V-71)			1				1			1		
7A,E,F	**5196758**	TUBE ASSY. (LEFT BANK) (12V-71)				1								
7A,E,F	**5196757**	TUBE ASSY. (RIGHT BANK) (12V-71)				1								
7A,E,F	**5196567**	@ TUBE ASSY. (LEFT BANK FRONT AND RIGHT BANK REAR) (5197427) (16V-71)											2	
7A,E,F	**5196568**	@ TUBE ASSY. (LEFT BANK REAR AND RIGHT BANK FRONT) (5197428) (16V-71)											2	
		@ NOT SERVICED: USE PART NUMBER IN PARENTHESES.												
		2.9003 - BRACKET, INJECTOR CONTROL TUBE												
7A	**5130509**	BRACKET	4	4	4	4	4	4	4	4	4	4	8	4
7A	**186630**	BOLT, 1/4"-20X5/8" (12.9001)	8	8	8	8	8	8	8	8	8	8	16	8
7A	**120380**	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.9007 - SHAFT, INJECTOR CONTROL TUBE END												
7A,D	**5150259**	SHAFT (1 1/16" L.)	2	2	2	2	2	2	2	2	2	2	4	2
7A,D	**5150258**	SHAFT (1.88" L.)	2	2	2	2	2	2	2	2	2	2	4	2
		2.9009 - LEVER, INJECTOR CONTROL TUBE												
7A	**5150263**	LEVER	2	2	2	2	2	2	2	2	2	2	4	2
7A	**142486**	PIN, 1/8"X3/4" GROOVE (12.9270)	2	2	2	2	2	2	2	2	2	2	4	2
		2.9010 - SPACER, INJECTOR CONTROL TUBE LEVER												
7A	**5150843**	SPACER	2	2	2	2	2	2	2	2	2	2	4	2

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 95	96	97	112	113	114	115	116	117	118	119	123
		2.9012 - SPRING, INJECTOR CONTROL TUBE												
7A	5124142	SPRING (RETURN) (GREEN)	2	2	2	2	2	2	2	2	2	2	4	2
		2.9014 - LEVER, INJECTOR CONTROL TUBE RACK												
7A	5115322	LEVER	6	8	12	12	6	8	12	6	8	12	16	6
7A	5176228	SCREW, 1/4"-28X11/16"	12	16	24	24	12	16	24	12	16	24	32	12
		2.9022 - LINK, INJECTOR CONTROL TUBE TO GOVERNOR												
7A,E,F	5117942	* LINK (LONG) (MECHANICAL GOVERNOR) (RIGHT BANK)	1	1	1	1								1
7A,E,F	5117191	LINK (SHORT) (MECHANICAL GOVERNOR) (LEFT BANK)	1	1	1	1								1
7A,E,F	5126102	@ LINK (LONG) (HYDRAULIC GOVERNOR)					1	1	1					
7A,E,F	5126101	@ LINK (SHORT) (HYDRAULIC GOVERNOR)					1	1	1					
7A,E,F	5127415	# LINK (LONG) (REAR LEFT BANK)					1	1	1	1	1	1	1	
7A,E,F	5127417	# LINK (SHORT) (REAR RIGHT BANK)					1	1	1	1	1	1	1	
7A,E,F	5127416	LINK (LONG) (FRONT LEFT BANK)											1	
7A,E,F	5127418	LINK (SHORT) (FRONT RIGHT BANK)											1	
	5150941	# WASHER (2.7310)					4	4	4	8	8	8	8	
	142583	# RETAINER (12.9640)					2	2	2	4	4	4	4	
7A,E,F	5147345	PIN	2	2	2	2	2	2	2	4	4	4	4	2
7A,E,F	103361	PIN, 1/16"X1/2" COTTER (12.9250)	2	2	2	2	2	2	2	4	4	4	4	2
		* REAR BANK.												
		@ OPEN LINKAGE.												
		# ENCLOSED LINKAGE.												
		2.9030 - BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT												
7F	8920906	BRACKET												1
	5189790	PISTON (2.9862)												1
7F	5189788	LINK (2.9867)												1
7F	5110059	VALVE, CHECK (2.9862)												1
7F	5113369	LEVER (2.9867)												1
7F	5189789	PLUG (OIL SUPPLY) (2.9862)												1
7F	456540	PIN, SPRING (3/16"X5/8") (12.9300)												1
7F	5150265	PIN (1/4"X15/16") (2.9022)												1
7F	103361	PIN, 1/2" COTTER (12.9250)												2
7F	5150325	BOLT (1.8170)												2
7F	5180116	BOLT (U) (2.9867)												1
7F	103319	LOCKWASHER, 1/4" (12.9200)												2
7F	120375	NUT, 1/4"-20 HEX. (12.9120)												2

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 130	131	133	135	137	139	151	166	169	173	178	184
		2.9001 - TUBE AND LEVER ASSY., INJECTOR CONTROL												
		INCLUDES ONE (1) FRONT BRACKET IN 2.9003, PIN IN 2.9007, LEVER AND PIN IN 2.9009 AND SPACER IN 2.9010.												
7A	**5196567**	@ TUBE ASSY. (RIGHT BANK) (5197427) (8-16V)			1									2
7A	**5196568**	@ TUBE ASSY. (LEFT BANK) (5197428) (8-16V)			1									2
7A	**5196758**	TUBE ASSY. (LEFT BANK) (12V)											1	
7A	**5196757**	TUBE ASSY. (RIGHT BANK) (12V)											1	
7A	**5196567**	@ TUBE ASSY. (LEFT BANK FRONT AND RIGHT BANK REAR) (5197427) (16V)	2				2							
7A	**5196568**	@ TUBE ASSY. (LEFT BANK REAR AND RIGHT BANK FRONT) (5197428) (16V)	2				2							
7A	**5197425**	TUBE ASSY. (RIGHT BANK) (6V)		1		1		1						
7A	**5197426**	TUBE ASSY. (LEFT BANK) (6V)		1		1		1						
7A	**5197427**	TUBE ASSY. (RIGHT BANK) (8V)										1		
7A	**5197428**	TUBE ASSY. (LEFT BANK) (8V)										1		
		@ NOT SERVICED; USE PART NUMBER IN PARENTHESES.												
		2.9003 - BRACKET, INJECTOR CONTROL TUBE												
7A,F	**5130509**	BRACKET	8	4	4	4	8	4				4	4	8
7A,F	**186630**	BOLT, 1/4"-20X5/8" (12.9001)	16	8	8	8	16	8				8	8	16
7A	**120380**	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR				AR	AR	AR
		2.9007 - SHAFT, INJECTOR CONTROL TUBE END												
7A,D	**5150259**	SHAFT (1 1/16"L.)	4	2	2	2	4	2				2	2	4
7A,D	**5150258**	SHAFT (1.88" L.)	4	2	2	2	4	2				2	2	4
		2.9009 - LEVER, INJECTOR CONTROL TUBE												
7A	**5150263**	LEVER	4	2	2	2	4	2				2	2	4
7A	**142486**	PIN, 1/8"X3/4" GROOVE (12.9270)	4	2	2	2	4	2				2	2	4
		2.9010 - SPACER, INJECTOR CONTROL TUBE LEVER												
7A	**5150843**	SPACER	4	2	2	2	4	2				2	2	4
		2.9012 - SPRING, INJECTOR CONTROL TUBE												
7A	**5124142**	SPRING (RETURN) (GREEN)	4	2	2	2	4	2				2	2	4

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 130	131	133	135	137	139	151	166	169	173	178	184
		2.9014 - LEVER, INJECTOR CONTROL TUBE RACK												
7A	**5115322**	LEVER	16	6	8	6	16	6				8	12	16
7A	**5176228**	SCREW, 1/4"-28X11/16"	32	12	16	12	32	12				16	24	32
		2.9017 - LEVER, INJECTOR CONTROL TUBE (LOAD LIMIT ADJUSTING)												
		ITEMS IN 2.9017, 2.9019 AND 2.9021 ARE USED TOGETHER TO PROVIDE LOAD LIMIT ADJUSTMENT USED WITH MECHANICAL GOVERNOR.												
7C	**2090519**	ARM (TORQUE LIMIT CONTROL)								2	2			
7B	**5126314**	ARM (POWER CONTROL)							2					
7B	**5136565**	SPRING (POWER CONTROL)							2					
	5101140	SEAL									5			
7C	**213546**	BOLT, 1/4"-20X1" (12.9001)								4				
	426849	BOLT, 1/4"-20X1" (12.9001)							2		4			
7B	**9425509**	BOLT, 1/4"-20X1 1/4" (12.9001)							2					
	120392	WASHER, 1/4" FLAT (12.9190)							2					
	120380	LOCKWASHER, 1/4" (12.9200)							AR	AR	AR			
		2.9019 - PLATE, INJECTOR CONTROL TUBE LEVER												
7B,C	**5136159**	PLATE							2	2	2			
		2.9021 - SCREW, INJECTOR CONTROL TUBE LEVER												
		PL. (LOAD LIMIT ADJUSTING)												
7C	**5178817**	SCREW (5/16"-24X2 1/2")								2				
7B	**5140625**	SCREW (5/16"-24X1 3/4")							2					
	5136158	SCREW (5/16"-24X2 1/2")									2			
7B	**114493**	NUT, 5/16"-24 HEX. LOCK (12.9120)							2	2	2			
		2.9022 - LINK, INJECTOR CONTROL TUBE TO GOVERNOR												
7A,F	**5117942**	* LINK (LONG) (MECHANICAL GOVERNOR) (RIGHT BANK)		1	1	1	1	1				1	1	1
7A,F	**5117191**	LINK (SHORT) (MECHANICAL GOVERNOR) (LEFT BANK)		1	1	1		1				1	1	
7A,F	**5127415**	# LINK (LONG) (REAR LEFT BANK)	1											
7A,F	**5127417**	# LINK (SHORT) (REAR RIGHT BANK)	1											
7A,F	**5131240**	LINK (LONG) (FRONT LEFT BANK)	1											
7A,F	**5127418**	LINK (SHORT) (FRONT RIGHT BANK)	1											

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 130	131	133	135	137	139	151	166	169	173	178	184
		2.9022 - LINK, INJECTOR CONTROL TUBE TO GOVERNOR (CONT'D)												
7A,F	5133700	* LINK (SHORT) (MECHANICAL GOVERNOR)					1							1
7A,F	5134026	@ LINK (SHORT) (MECHANICAL GOVERNOR)					1							1
7A,F	5133699	* LINK (LONG) (MECHANICAL GOVERNOR)					1							1
	5150941	# WASHER (2.7310)	8											
7F	142583	# RETAINER (12.9640)	4											
7A,F	5147345	PIN	4	2	2	2	4	2				2	2	4
7A,F	103361	PIN, 1/16"X1/2" COTTER (12.9250)	4	2	2	2	4	2				2	2	4
		* REAR BANK.												
		@ FRONT BANK.												
		# ENCLOSED LINKAGE.												
		2.9030 - BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT												
7F	5124911	BRACKET (INCLUDES CYLINDER)		1										
7F	8920906	BRACKET			1	1						1	1	1
	5189790	PISTON (2.9862)		1	1	1						1	1	1
7F	5189788	LINK (2.9867)		1	1	1						1	1	1
7F	5110059	VALVE, CHECK (2.9862)		1	1	1						1	1	1
7F	5113369	LEVER (2.9867)		1	1	1						1	1	1
7F	5189789	PLUG (OIL SUPPLY) (2.9862)		1	1	1						1	1	1
7F	456540	PIN, SPRING (3/16"X5/8") (12.9300)		1	1	1						1	1	1
7F	5150265	PIN (1/4"X15/16") (2.9022)		1	1	1						1	1	1
7F	103361	PIN, 1/2" COTTER (12.9250)		2	2	2						2	2	2
7F	5150325	BOLT (1.8170)		2	2	2							2	
7F	5180116	BOLT (U) (2.9867)		1	1	1						1	1	1
7F	103319	LOCKWASHER, 1/4" (12.9200)		2	2	2						2	2	2
7F	120375	NUT, 1/4"-20 HEX. (12.9120)		2	2	2						2	2	2

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	204	225	226	227	231	232	233	240	241	242	243
		2.9001 - TUBE AND LEVER ASSY., INJECTOR CONTROL														
		INCLUDES ONE (1) FRONT BRACKET IN 2.9003, PIN IN 2.9007, LEVER AND PIN IN 2.9009 AND SPACER IN 2.9010.														
7A,F	**5197425**	TUBE ASSY. (RIGHT BANK) (6V-71)	1				1									
7A,F	**5197426**	TUBE ASSY. (LEFT BANK) (6V-71)	1				1									
7A,F	**5197427**	TUBE ASSY. (RIGHT BANK) (8V-71)		1				1		1						
7A,F	**5197428**	TUBE ASSY. (LEFT BANK) (8V-71)		1				1		1						
7A,F	**5196757**	* TUBE ASSY. (RIGHT BANK) (12V-71) (5197427)			1				1							
7A,F	**5196758**	TUBE ASSY. (RIGHT BANK) (12V-71)			1				1							
7A,F	**5196567**	* TUBE ASSY. (LEFT BANK FRONT AND RIGHT BANK REAR) (5197427) (16V-71)				2										
7A,F	**5196568**	* TUBE ASSY. (LEFT BANK REAR AND RIGHT BANK FRONT) (5197426) (16V-71)				2										
7A,F	**5149075**	TUBE ASSY. (RIGHT BANK) (8-16V-71)									1	2				
7A,F	**5149076**	TUBE ASSY. (LEFT BANK) (8-16V-71)									1	2				2
7D,F	**5149254**	TUBE ASSY. (RIGHT BANK) (12V-71)											1		1	
7F	**5149253**	TUBE ASSY. (LEFT BANK) (12V-71)											1		1	
7F	**5149252**	TUBE ASSY. (RIGHT BANK) (6V-71)												1		
7F	**5149251**	TUBE ASSY. (LEFT BANK) (6V-71)												1		
		* NOT SERVICED. USE PART NUMBER IN PARENTHESES.														
		2.9003 - BRACKET, INJECTOR CONTROL TUBE														
7A,F	**5130509**	BRACKET	2	2	2	4	2	2	2	2	4	4	2	2	2	4
7A,F	**5120687**	BRACKET				4										
7A,F	**186676**	BOLT, 1/4"-20X5/8" (12.9001)	8	8	8	16	8	8	8	8	8	16	8		8	16
7F	**9422203**	BOLT, 1/4"-20 X 5/8" (12 PT.)												8		
7A,F	**120380**	LOCKWASHER, 1/4" (12.9200)	8	8	8	16	8	8	8	8	8	16	8		8	16
		2.9007 - SHAFT, INJECTOR CONTROL TUBE END														
7A,D	**5150259**	SHAFT (1 1/16" L.)	2	2	2	4	2	2	2	2	2	4	2	2	2	4
7A,D	**5150258**	SHAFT (1.88" L.)	2	2	2	4	2	2	2	2	2	4	2	2	2	4
	142487	PIN, 1/8"X7/8" GROOVE (12.9270)									2	4	2	2	2	4

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	204	225	226	227	231	232	233	240	241	242	243
		2.9009 - LEVER, INJECTOR CONTROL TUBE														
7A	5150263	LEVER	2	2	2	4	2	2	2	2	2	4	2	2	2	4
7A	142486	PIN, 1/8"X3/4" GROOVE (12.9270)	2	2	2	4	2	2	2	2	2	4	2	2	2	4
		2.9010 - SPACER, INJECTOR CONTROL TUBE LEVER														
7A	5150843	SPACER	2	2	2	4	2	2	2	2	2	4	2	2	2	4
		2.9012 - SPRING, INJECTOR CONTROL TUBE														
	5124142	SPRING (RETURN) (GREEN)	2	2	2	4	2	2	2	2	2	4	2	2	2	4
	5101258	SPRING									2	2	2	2	2	2
	5101295	SPRING									6	12	10	4	10	12
		2.9014 - LEVER, INJECTOR CONTROL TUBE RACK														
7A	5115322	LEVER	6	8	12	16	6	8	12	8						
7A	5101397	LEVER									8	16	12	6	12	16
7A	5176228	SCREW,	12	16	24	32	12	16	24	16						
	5101392	SCREW, 1/4"-28X.90"									8	16	12	6	12	16
7A	120613	NUT, 1/4"-28 HEX. (12.9190)									8	16	12	6	12	16
		2.9022 - LINK, INJECTOR CONTROL TUBE TO GOVERNOR														
7A,F	5117942	LINK (LONG) (MECH. GOV.) (RIGHT BANK)	1	1	1	1	1	1	1	1	1	1	1	1	1	
7A,F	5117191	LINK (SHORT) (MECH. GOV.) (LEFT BANK)	1	1	1		1	1	1	1	1	1	1	1	1	
7D,F	5127415	LINK (LONG) (LEFT BANK REAR)														1
7D,F	5127416	LINK (LONG) (LEFT BANK FRONT)														1
7D,F	5127417	LINK (SHORT) (LEFT BANK REAR)														1
7D,F	5127418	LINK (SHORT) (RIGHT BANK FRONT)														1
7A,F	5134026	LINK (SHORT) (LEFT BANK FRONT)				1										
7A,F	5133699	LINK (LONG) (RIGHT BANK FRONT)				1										
7A,F	5133700	LINK (SHORT) (LEFT BANK REAR)				1										
7A,D,F	103361	PIN, 1/16"X1/2" COTTER (12.9250)	2	2	2	4	2	2	2	4	2	2	2	2	2	4
7A,D,F	5147345	PIN, 1/4"X15/16" (2.9022)	2	2	2	4	2	2	2	2	2	4	2	2	2	4
	5150941	WASHER (2.7310)														4
	142583	RETAINER (12.9640)														4
		2.9030 - BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT														
7F	8920906	BRACKET	1	1	1											
7F	8920905	BRACKET				1	1	1	1		1	1	1			

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2.9000 INJECTOR CONTROLS

2.9030 - BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT (CONT'D)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	204	225	226	227	231	232	233	240	241	242	243
	5148882	BRACKET & CYL. AIR BOX MODULATOR								1						
	5189790	PISTON (2.9862)	1	1	1	1	1	1	1		1		1			
	5148887	PISTON (2.9862)								1						
	5101835	PISTON (2.9034)										1				
7F	5189788	LINK (2.9867)	1	1	1	1	1	1	1		1		1			
7F	5101834	LINK										1				
7F	5102155	VALUE, CHECK (2.9862)	1	1	1	1	1	1	1		1	1	1			
7F	5113369	LEVER (2.9867)	1	1	1	1	1	1			1	1	1			
7F	5100686	LEVER & ROLLER ASSY. FUEL MOD. (2.9867)								1						
	5148885	SPRING A/BOX MOD. PISTON (2.9863)								1						
	5148883	RETAINER A/BOX PISTON SPR. (2.9865)								1						
	9424226	RING, RETAINER (2.9965)								1						
	5148889	CAM, A/BOX MOD. (2.9865)								1						
7F	5189789	PLUG (OIL SUPPLY) (2.9862)	1	1	1	1	1	1	1		1	1	1			
	5101170	TUBE, A/BOX MOD. TO CYL. HD. (2.9864)								1						
	5144269	*HOSE, FLEX. 5/16"X43"L.* (2.5214)								1						
	5180112	ADAPTOR, AIR INLET (2.9871)								1						
7F	456540	PIN, SPRING (3/16"X5/8") (12.9275)	1	1	1	1	1	1	1		1	1	1			
7F	454512	PIN, SPRING (3/16"X3/4") (12.9275)								1						
7F	457008	PIN, SPRING (3/16"X1 1/2") (12.9275)								1						
7F	5150265	PIN (1/4"X5/16") (2.9022)	1	1	1	1	1	1	1							
7F	5147345	PIN, 1/4"X15/16" (2.9022)									1					
7F	103361	PIN, 1/2" COTTER (12.9250)	2	2	2	2	2	2	2		1	1	1			
	225915	ELBOW, INV. FL. TUBE 90 DEG. (12.9480)								1						
	9432245	ELBOW, INV. FL. TUBE 90 DEG. (12.9480)								1						
	9409931	ELBOW, 1/8" 90 DEG. STREET (12.9590)								1						
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)								1						
	2488022	CLIP (NEOPRENE)								1						
	5148884	CLAMP, MOD. LEVER (2.9867)								2						
	440502	SCREW, #10-24X5/8" HEX. HD.								1						
7F	5103635	BOLT, 3/8"-16X2.90"L.	1	1							1	1	1			
7F	5104016	BOLT, 3/8"-10X4.66" L.	1	1							1	1				
7F	5180116	BOLT (V) (2.9867)	1	1	1	1	1	1	1		1	1	1			
	103319	LOCKWASHER, 1/4" (12.9200)	2	2	2	2	2	2	2		2	2	2			
	120217	LOCKWASHER, #10 (12.9200)								1						
	120375	NUT, 1/4"-20HEX. (12.9120)	2	2	2	2	2	2	2		2	2	2			

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 244	245	246	247	248	249	251	271	289	352
		2.9001 - TUBE ASSY., INJECTOR CONTROL										
		INCLUDES ONE (1) FRONT BRACKET IN 2.9003, PIN IN 2.9007, LEVER AND PIN IN 2.9009 AND SPACER IN 2.9010.										
7D	**5149075**	TUBE ASSY. (RIGHT BANK) (8-16V-71)	1		1	1		1	1	1		
7D	**5149076**	TUBE ASSY. (LEFT BANK) (8-16V-71)	1		1	1		1	1	1		
7D	**5149254**	TUBE ASSY. (RIGHT BANK) (12V-71)		1								
7D	**5149253**	TUBE ASSY. (LEFT BANK) (12V-71)		1								
7D	**5149252**	TUBE ASSY. (RIGHT BANK) (6V-71)					1				1	
7D	**5149251**	TUBE ASSY. (LEFT BANK) (6V-71)					1				1	
		2.9003 - BRACKET, INJECTOR CONTROL TUBE										
7A,D	**5130509**	BRACKET	2	2	4	4	2	2	2	4	2	
7A,D	**186676**	BOLT, 1/4"-20X5/8" (12.9001)	8	8	16	16	8	8	8			
	9422203	BOLT, 1/4"-20X5/8" (12.9001)								8	8	
		2.9007 - SHAFT, INJECTOR CONTROL TUBE END										
7A,D	**5150259**	SHAFT (1 1/16"L.)	2	2	4	4	2	2	2	2	2	
7A,D	**5150258**	SHAFT (1.88" L.)	2	2	4	4	2	2	2	2	2	
7A,D	**142487**	PIN, 1/8"X7/8" (12.9270)	2	2	4	4	2	2	2	2	2	
		2.9009 - LEVER, INJECTOR CONTROL TUBE										
7A,D	**5150263**	LEVER	2	2	4	4	2	2	2	2	2	
7A,D	**142486**	PIN, 1/8"X3/4" GROOVE (12.9270)	2	2	4	4	2	2	2	2	2	
		2.9010 - SPACER, INJECTOR CONTROL TUBE LEVER										
7A,D	**5150843**	SPACER	2	2	4	4	2	2	2	2	2	

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 244	245	246	247	248	249	251	271	289	352
		2.9012 - SPRING, INJECTOR CONTROL TUBE										
7A,D	**5124142**	SPRING (RETURN) (GREEN)	2	2	4	4	2	2	2	2	2	
7D	**5101258**	SPRING	2	2	4	2	2	2	2	2	2	
7D	**5101295**	SPRING	6	10	12	12	4	6	6	6	4	
		2.9014 - LEVER, INJECTOR CONTROL TUBE RACK										
7D	**5101397**	LEVER	8	12	16	16	6	8	8	8	6	
7D	**5101392**	SCREW, 1/4"-28X.90"	8	12	16	16	6	8	8	8	6	
7D	**120613**	NUT, 1/4"-28 JAM (12.9120)	8	12	16	16	16	8	8	8	16	
		2.9017 - LEVER, INJECTOR CONTROL TUBE (LOAD LIMIT ADJUSTING)										
	5126314	CLAMP										1
	5126313	SPRING										1
	426849	BOLT, 1/4"-20X1" (12.9001)										1
	9425509	BOLT, 1/4"-20X1 1/4" (12.9001)										1
	120392	WASHER, 9/32"X5/8" (12.9190)										1
	103319	LOCKWASHER, 1/4" (12.9200)										2
		2.9019 - PLATE, INJECTOR CONTROL TUBE LEVER - LOAD LIMITING ADJUSTING										
	5136159	PLATE										1
		2.9021 - SCREW, INJECTOR CONTROL TUBE LEVER PLATE - LOAD LIMITING ADJUSTING										
	5140625	SCREW										1
	5101140	SEAL, LOCKWIRE (2.7945)										2
	114493	NUT, 5/16"-24 (2.7170)										1
		2.9022 - LINK, INJECTOR CONTROL TUBE TO GOVERNOR										
7A,D	**5117942**	LINK (LONG) (MECH.GOV.) (R.B.REAR)			1	1	1	1	1	1		
7F	**5117191**	LINK (SHORT)(MECH.GOV.)(LEFT BANK)					1	1	1	1		
7F	**5134026**	LINK (SHORT) (LEFT BANK FRONT)			1	1						
7F	**5133699**	LINK (LONG) (RIGHT BANK FRONT)			1	1						
7F	**5127415**	LINK (LONG) (LEFT BANK REAR)	1	1							1	
7F	**5127417**	LINK (SHORT) (LEFT BANK REAR)	1	1							1	
	5133700	LINK (SHORT) (LEFT BANK REAR)			1	1						
	5150941	WASHER (2.7310)	2	2							2	
	142583	RETAINER (12.9640)	2	2							2	
7F	**5147345**	PIN, 1/4"X15/16"	2	2	4	4	2	2	2	2	2	
7F	**103361**	PIN, 1/16"X1/2" COTTER (12.9250)	2	2	4	4	2	2	2	2	2	
		2.9030 - BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT										
	5106457	* MODULATOR ASSY.						1				
7F	**8920905**	BRACKET				1	1			1		
7F	**5148882**	@ BRACKET & CYL. AIR BOX MODULATOR						1				
	5189790	PISTON (2.9862)					1			1		
	5148887	@ PISTON (2.9862)						1				
7F	**5189788**	LINK (2.9867)				1	1			1		
7F	**5102155**	VALVE, CHECK (2.9862)				1	1			1		

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 244	245	246	247	248	249	251	271	289	352
		2.9030 - BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT (CONT'D)										
	5113369	LEVER (2.9867)				1	1			1		
	5100686	LEVER & ROLLER ASSY. FUEL MOD. (2.9867)						1				
	5148885	@ SPRING, A/BOX MOD. PISTON (2.9863)						1				
	5148883	@ RETAINER A/BOX PISTON SPR. (2.9865)						1				
	9424226	@ RING, RETAINER (2.7260)						1				
	5148889	@ CAM, A/BOX MOD (2.9869)						1				
7F	**5189789**	PLUG (OIL SUPPLY) (2.9862)				1	1			1		
	5108137	TUBE A/BOX MOD. TO CYL. AD. (2.9864)						1				
	5144269	HOSE, FLEX. 5/16"X43"L. (2.5214)						1				
	5180112	ADAPTOR, AIR INLET (2.9871)						1				
7F	**456540**	PIN, SPRING 3/16"X5/8" (12.9275)				1	1					

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 244	245	246	247	248	249	251	271	289	352
		2.9030 - BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT (CONT'D)										
7F	**454512**	@ PIN, SPRING 3/16"X3/4" (12.9275)						1				
	456652	PIN, SPRING 3/16"X7/8" (12.9275)								1		
7F	**457009**	@ PIN, SPRING 3/16"X1 3/4" (12.9270)						1				
7F	**5147345**	PIN, 1/4"X15/16" (2.9022)				1				1		
7F	**103361**	PIN, 1/2" COTTER (12.9250)				1	1			1		
	8924153	ELBOW, INV. FL. TUBE 90 DEG. (12.9480)						1				
	8924213	ELBOW, 1/8" 90 DEG. STREET (12.9590)						1				
	8924215	ELBOW, INV. FL. TUBE 90 DEG. (12.9480)						1				
	8924170	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)						2				
	2488022	CLIP (NEOPRENE) (12.8554)						2				
	5148884	CLAMP, MOD. LEVER (2.9867)						1				
	189132	SCREW, #10-24X5/8" HEX. HD.						1				
7F	**5103635**	BOLT, 3/8"-16X2.90" L.				1	1	1		1		
7F	**5180116**	BOLT (U) (2.9867)				1	1			1		
7F	**103319**	LOCKWASHER, 1/4" (12.9200)				2	2			2		
	120217	LOCKWASHER, #10 (12.9200)						1				
	120375	NUT, 1/4"-20 HEX. (12.9120)				2	2			2		
		* INCLUDES ITEMS MARKED @.										

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 468	471	479	480	481	482	544	549	555	559	562	564
		2.9100 - KNOB, THROTTLE CONTROL												
		▪ FOR TYPE 551 REFER TO 2.8000A TYPE 543.▪ A KNOB ASSY. INCLUDES KNOB IN 2.9100 AND ITEMS IN 2.9105, 2.9106, 2.9108, 2.9110, 2.9132, 2.9170 PLUS COUPLING AND PIN IN 2.9190.												
8A	**5124456**	KNOB ASSY.			1	1								
8C	**5174103**	KNOB			1	1	1	1						
8A	**5124457**	KNOB ASSY.					1	1						
8C	**5128820**	KNOB										1		
	5128817	LEVER (HAND) (6 1/2" L.)										1		
	100987	BOLT, #12-24X3/4" (12.9001)			3	3	3	3						
	100002	BOLT, 1/4"-28X1" (12.9001)										1		
	120385	WASHER, #12 FLAT (12.9190)			3	3	3	3						
	106498	LOCKWASHER, #12 (12.9200)			3	3	3	3						
	103319	LOCKWASHER, 1/4" (12.9200)										1		
	103089	NUT, #12-24 HEX. (12.9120)			3	3	3	3						
		2.9105 - WASHER, THROTTLE CONTROL TUBE BRAKE												
8C	**3222756**	WASHER (DISC)			1	1	1	1						
8C	**5113377**	WASHER (DISC)										1		
	5113378	PAD										1		
		2.9106 - SHAFT, THROTTLE CONTROL KNOB												
8C	**5182842**	SHAFT (4")			1	1	1	1						
8C	**443136**	PIN, 1/8"X1 1/4" GROOVE (12.9270)			1	1	1	1						
		2.9108 - SPRING, THROTTLE CONTROL SHAFT TENSION												
8C	**5174105**	SPRING (2" L.)			1	1	1	1						
8C	**5187628**	WASHER, 5/8" FLAT			1	1	1	1						
		2.9110 - BUSHING, THROTTLE KNOB SHAFT												
8C	**3222765**	BUSHING (2.8925)			2	2	2	2						
		2.9132 - ADAPTOR, THROTTLE CONTROL KNOB												
		AN ADAPTOR ASSEMBLY INCLUDES BUSHING IN 2.9110.												
8C	**5182816**	ADAPTOR ASSY.			1	1	1	1						

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4688	4711	4779	4880	4881	4882	5444	5449	5555	5559	5662	5664
		2.9133 - CONTROL, VERNIER THROTTLE												
		REFER TO ASSEMBLY BREAKDOWN PAGE A1.												
	3292337	CONTROL ASSY.											1	
		2.9150 - BRACKET, THROTTLE CONTROL KNOB SHAFT												
		A BRACKET ASSY. INCLUDES TWO BUSHINGS IN 2.9160.												
	3292280	BRACKET ASSY.											1	
		2.9160 - BUSHING, THROTTLE CONTROL SHAFT BRACKET												
	3222765	BUSHING											2	
		2.9170 - PLATE, THROTTLE CONTROL INDICATOR												
8C	**5124455**	PLATE			1	1	1	1						
8C	**3292274**	PLATE											1	
		2.9190 - COUPLING, THROTTLE CONTROL SHAFT												
8C	**5177462**	COUPLING			1	1	1	1						
8C	**142488**	PIN, 1/8"X1" GROOVE (12.9270)			1	1	1	1						
8C	**139011**	SCREW, 1/4"-28X3/8" SET (12.9076)			1	1	1	1						
		2.9220 - BRACKET, GOVERNOR CONTROL SHAFT REAR												
		A BRACKET ASSY. INCLUDES BUSHING IN 2.9160.												
8A	**5124468**	BRACKET			1	1	1	1						
	5125894	BRACKET								1				
	191758	FITTING, 1/8" LUBE (12.9540)								1				
	132273	SCREW, 1/4"-20X1" (12.9010)			2	2	2	2						
	180021	BOLT, 1/4"-20X7/8" (12.9001)								2				
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)								1				
	186317	BOLT, 3/8"-24X5" (12.9001)								1				
	103319	LOCKWASHER, 1/4" (12.9200)								2				

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 468	471	479	480	481	482	544	549	555	559	562	564
		2.9230 - BUSHING, GOVERNOR CONTROL SHAFT BRACKET												
8A	5184220	BEARING (7/16"P.T., ROD END)			1	1	1	1						
	148403	BEARING (2.7270)								2				
	122264	NUT, 7/16"-20 (12.9120)			2	2	2	2						
		2.9280 - ROD AND CLEVIS ASSY., THROTTLE CONTROL												
	5124488	+ SHAFT (15.5"L.) (COUPLING TO LEVER)			1			1						
8A	5124487	SHAFT (13"L.) (COUPLING TO LEVER)				1	1							
8A	5127608	SHAFT ASSY. (10.64"L.)										1		
	5123245	CLAMP, SWIVEL								1				
	5125891	ROD (21"L.) (OUTPUT SHAFT GOVERNOR)								1				
	5125888	ROD (40 9/32"L.) (TO MECHANICAL GOV.)								1				
	5118951	JOINT, 5/16"-24 (12.9680)								2				
	103372	PIN, 3/32"X1/2" COTTER (12.9250)								1				
	103495	PIN, 5/16" CLEVIS (12.9260)								1				
	103320	LOCKWASHER, 5/16" (12.9200)								AR				
	114493	NUT, 5/16"-24 HEX. (12.9120)								5				
		+ OBSOLETE.												
		2.9300 - LEVER, THROTTLE CONTROL ROD REAR												
8A	5124371	LEVER (2.9410)					1	1						
	180021	BOLT, 1/4"-20X7/8" (12.9001)					1	1						
	103319	LOCKWASHER, 1/4" (12.9200)					AR	AR						
	121902	NUT, 1/4"-28 HEX. (12.9120)							3					
		2.9310 - SHAFT, THROTTLE CONTROL CROSS												
	5125893	SHAFT								1				
	5127607	SHAFT										1		
	5113358	SPRING										1		
	5113359	SPRING										1		
	5160629	SPACER (4.2270)								1				
	5113397	BUSHING (2.9142)										2		
	5180116	CLAMP (U)										2		
	103343	WASHER, 17/32" I.D. FLAT (12.9190)								2				
	103319	LOCKWASHER, 1/4" (12.9200)										4		
	120375	NUT, 1/4"-20 HEX. (12.9120)										4		
	122295	NUT, 1/2"-20 HEX. JAM (12.9120)										2		
		2.9340 - LEVER, THROTTLE CONTROL CROSS SHAFT												
	5164318	LEVER								1				
	5154448	LEVER (2.7160)								1				
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)								2				

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 468	471	479	480	481	482	544	549	555	559	562	564
		2.9340 - LEVER, THROTTLE CONTROL CROSS SHAFT (CONT'D)												
	180021	BOLT, 1/4"-20X7/8" (12.9001)								2				
	103319	LOCKWASHER, 1/4" (12.9200)								2				
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING												
8A	5145166	BRACKET	1	1			1	1			1			1
8A	5122351 *	BRACKET		1			1	1			1			1
	5118896	SPACER	1	1			1	1			1			1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2			2	2			2			2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2			2	2			2			2
		* THRU 6VA-17849, 8VA-8429, 12VA-2561; *NOT SERVICED, REPLACE* WITH 5131749 BRACKET AND INCLUDE 1-5130928 EYE AND 2-123221 NUT IN 2.9348.												
		2.9347 - SPRING, THROTTLE BOOSTER												
8A	5140451	SPRING (8.59"L.)	1											
8A	5125716	SPRING (7.18"L.)		1			1	1			1			1
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING												
8A	5134051	EYE (3/8"X5 3/4" L.)	1	1			1	1			1			1
8A	5123762	EYE (4"L.)		1			1	1			1			1
8A	5173036	EYE (1/4"X5 3/4" L.)		1			1	1			1			1
8A	5125931	EYE (7"L.)		1			1	1			1			1
8A	120375	NUT, 1/4"-20 HEX. (12.9120)		2			2	2			2			2
8A	123221	NUT, 3/8"-16 HEX. (12.9120)	2	2			2	2			2			2
		2.9349 - NUT, THROTTLE BOOSTER SUPPORT												
	5186749	NUT (5/8") (SPRING HANGER)	1	1			1	1			1			1
	5171045	BOLT (SHOULDERED)	1	1			1	1			1			1
		2.9355 - SOLENOID, THROTTLE CONTROL												
	01424 *	SOLENOID (12V.) (GOVERNOR SHUTDOWN)							1					
	3290241	CLEVIS, GOVERNOR END (7.4519)							1					
	103362	PIN, 1/16"X3/4" COTTER (12.9250)							1					
	103495	PIN, 5/16" CLEVIS (12.9260)							1					
	186676	BOLT, 1/4"-20X5/8" (12.9001)							2					
	103319	LOCKWASHER, 1/4" (12.9200)							2					

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 468	471	479	480	481	482	544	549	555	559	562	564
		2.9355 - SOLENOID, THROTTLE CONTROL (CONT'D)												
	120375	NUT, 1/4"-20 HEX. (12.9120)							2					
		* PROCURE FROM AC DELCO.												
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID												
	5128520	@ BRACKET (MOUNTING)							1					
	5127810	# * BRACKET (MOUNTING)							1					
	113991	SCREW, 1/4"-20X3/4" (12.9025)							1					
	132268	SCREW, 1/4"-20X7/8" (12.9025)							3					
	103319	LOCKWASHER, 1/4" (12.9200)							4					
		@ EFFECTIVE WITH 8VA-1163, TYPE 544.												
		# THRU 8VA-1162.												
		* NO LONGER AVAILABLE FOR SERVICE.												
		2.9360 - SHAFT, THROTTLE CONTROL (TO GOV.)												
	5125156	ROD (7"L.)			1	1								
	5128232	ROD (9 1/4"L.)										1		
8A	5124427	ROD (10 3/8"L.)					1	1						
	5128231	ROD (13 1/4"L.)										1		
	5128521	@ LINK							1					
	109408	JOINT, 5/16" BALL (12.9680)			2	2	1	1				2		
	116535	CLEVIS, 5/16"-24 ADJ. ROD (12.9620)					1	1						
	107762	PIN, 3/32"X5/8" COTTER (12.9250)					1	1						
	103495	PIN, 5/16" CLEVIS (12.9260)					1	1						
	103320	LOCKWASHER, 5/16" (12.9200)			AR	AR						AR		
	114493	NUT, 5/16"-24 HEX. (12.9120)			4	4	3	3						
		@ EFFECTIVE WITH 8VA-1163, TYPE 544.												
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT												
	3222760	LEVER											1	
	106276	BOLT, 1/4"-28X1 1/2" (12.9001)											1	
	103319	LOCKWASHER, 1/4" (12.9200)											1	
	121902	NUT, 1/4"-28 HEX. (12.9120)											1	
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING												
8A	5128651	* SPRING	1	1							1			
8A	5169253	* SPRING					1	1						1
8A	5173106	* CLIP	1	1							1			
8A	5169235	* CLIP					1	1						1
		* THRU 6VA-7327, 8VA-1464, 12VA-715; NOT REQUIRED AFTER THESE SERIAL												

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 468	471	479	480	481	482	544	549	555	559	562	564
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING (CONT'D)												
		NUMBERS.												
		2.9410 - LEVER, GOVERNOR CONTROL												
8A	5123880	LEVER	1								1			
8A	5122350	LEVER		1										
8A	5107147	LEVER (2.9361)			1	1								
8A	5123881	LEVER					1	1						1
8A	5110134	# LEVER							1				1	
8A	5131189	* LEVER							1					
	5175081	LEVER, OPERATING								1				
	5113338	LEVER (ON OUTPUT SHAFT GOVERNOR)								1				
8A	5124504	LEVER (2.7170)										1		
	5182684	QUADRANT (BRASS)								1				
	5123245	JOINT, BALL (2.9280)								1				
	5170765	SPACER (11/32" DIA.) (7.1581)								1				
	5160629	SPACER, 13/32"I.D.X7/32" (4.2270)								1				
	5182699	STUD (5/16"-24X2 7/16")								1				
	5176267	LOCK, LEVER (2.9635)								1				
	180021	BOLT, 1/4"-20X7/8" (12.9001)		1	1	1	1	1	1	1	1	1		1
	454813	BOLT, 1/4"-20X7/8" (12.9001)	1											
	213546	BOLT, 1/4"-20X1" (12.9001)								1				
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)							1				1	
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)								1				
	186317	BOLT, 3/8"-24X5" (12.9001)								1				
	103319	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103320	LOCKWASHER, 5/16" (12.9200)								1				
	5182685	NUT, THROTTLE LOCK								1				
	120375	NUT, 1/4"-20 HEX. (12.9120)								1				
	114493	NUT, 5/16"-24 HEX. (12.9120)								1				
	131485	NUT, 5/16"-24 ACORN (12.9170)								1				
		# THRU 8VA-1162, TYPE 544.												
		* EFFECTIVE WITH 8VA-1163.												
		2.9422 - WIRE, GOVERNOR CONTROL												
8A	5146240	WIRE ASSY. (46.84"L.)			1	1	1	1		1				1
8A	5185300	WIRE ASSY. (58"L.) (7.4525)									1			
	5184255	PLATE, NAME (STOP)			1	1	1	1		1	1			1
	5185303	CLEVIS									1			
	5185306	BUSHING (2.7170)									1			
	103362	PIN, 1/16"X3/4" COTTER (12.9250)									1			
	138083	PIN, 1/4" CLEVIS (12.9260)									1			
	120392	WASHER, 1/4" FLAT (12.9100)									1			
	103341	WASHER, 3/8" FLAT (12.9190)			1	1	1	1		1	1			1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 468	471	479	480	481	482	544	549	555	559	562	564
		2.9422 - WIRE, GOVERNOR CONTROL (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)			1	1	1	1		1	1			1
	120614	NUT, #10-32 HEX. (12.9120)									1			
	117049	NUT, 3/8"-24 HEX. (12.9120)			1	1	1	1		1	1			1
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL												
	5161464	PIN			1	1	1	1		1				1
	142583	RETAINER, 13/64" (SPRING) (12.9640)			1	1	1	1		1				1
	100659	SCREW, #10-32X3/8" FIL. HD. (12.9010)			1	1	1	1		1				1
	5150941	WASHER (2.7310)			1	1	1	1		1				1
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE												
8A	5163442	CLIP (AT GOVERNOR COVER BOLT)			1	1	1	1		1				1
8A	5185304	CLIP									1			
	113956	BOLT, 1/4"-20X5/8" (12.9001)									2			
	103319	LOCKWASHER, 1/4" (12.9200)									AR			
	114379	NUT, 1/4"-20 HEX. (12.9120)									2			

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 566	567	568	571	573	575	583	584	589	590	593	594
		2.9100 - KNOB, THROTTLE CONTROL												
		A KNOB ASSY. INCLUDES KNOB IN 2.9100 AND ITEMS IN 2.9105, 2.9106, 2.9108, 2.9110, 2.9132, 2.9170 PLUS COUPLING AND PIN IN 2.9190.												
8C	5128820	KNOB	1	1	1									
	5128817	LEVER (HAND) (6 1/2" L.)			1									
	5128816	LEVER (HAND) (9 23/64" L.)	1	1	1									
	100002	BOLT, 1/4"-28X1" (12.9001)	1	1	1									
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1									
		2.9105 - WASHER, THROTTLE CONTROL TUBE BRAKE												
8C	5113377	WASHER (DISC)	1	1	1									
	5113378	PAD	1	1	1									
		2.9133 - CONTROL, VERNIER THROTTLE												
		REFER ASSEMBLY BREAKDOWN PAGE A1.												
	3292337	CONTROL ASSY.								1				
	5129008	CONTROL ASSY.					1							
8C	139011	SCREW, 1/4"-28X3/8" SET (12.9076)					1							
	100987	BOLT, #12-24X3/4" (12.9001)					3							
	120385	WASHER, #12 FLAT (12.9190)					3							
	106498	LOCKWASHER, #12 (12.9200)					3							
	103089	NUT, #12-24 HEX. (12.9120)					3							
		2.9150 - BRACKET, THROTTLE CONTROL KNOB SHAFT												
		A BRACKET ASSY. INCLUDES TWO BUSHINGS IN 2.9160.												
	3292280	BRACKET ASSY.								3				
	133046	BOLT, 1/4"-20X7/8" (12.9001)								3				
	103319	LOCKWASHER, 1/4" (12.9200)								3				
	120375	NUT, 1/4"-20 HEX. (12.9120)								3				
		2.9160 - BUSHING, THROTTLE CONTROL SHAFT BRACKET												
	3222765	BUSHING								6				
		2.9170 - PLATE, THROTTLE CONTROL INDICATOR												
8C	5126905	PLATE								1				

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 566	567	568	571	573	575	583	584	589	590	593	594
		2.9190 - COUPLING, THROTTLE CONTROL SHAFT												
8C	5166494	COUPLING								1				
8C	139009	SCREW, 1/4"-28X1/4" SET (12.9076)								4				
		2.9200 - SHAFT, THROTTLE CONTROL SHAFT STUB												
	5126998	SHAFT (7.90"L.)								1				
		2.9220 - BRACKET, GOVERNOR CONTROL SHAFT REAR												
		A BRACKET ASSY. INCLUDES BUSHING IN 2.9160.												
	5125894	BRACKET												1
	5100115	BRACKET					1							
	5127410	BRACKET ASSY.								1				
	5127320	BRACKET ASSY. (EXTENSION)								1				
	5127315	BRACKET ASSY.								1				
	5127309 *	BRACKET ASSY. (FRONT)								1				
	5187628	SPACER (2.9108)								1				
	5163906	SPACER (7.1598)								2				
	191758	FITTING, 1/8" LUBE (12.9540)												1
	100001	SCREW, 1/4"-28X3/4" (12.9010)								2				
	214269	SCREW, 1/4"-28X1" (12.9010)								2				
	180021	BOLT, 1/4"-20X7/8" (12.9001)								2				
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)					2							
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)												1
	186317	BOLT, 3/8"-24X5" (12.9001)												1
	5155596	WASHER, COPPER (12.9190)					4							
	120392	WASHER, 1/4" (12.9190)								1				
	103319	LOCKWASHER, 1/4" (12.9200)								AR				
	114492	NUT, 1/4"-28 HEX. (12.9120)								4				
		* OBSOLETE.												
		2.9230 - BUSHING, GOVERNOR CONTROL SHAFT BRACKET												
8A	5184220	BEARING (7/16"P.T., ROD END)					1							
	148403	BEARING (2.7270)												2
	103342	WASHER, 7/16" (12.9200)					2							
	103322	LOCKWASHER, 7/16" (12.9001)					2							
	122264	NUT, 7/16"-20 (12.9120)					2							
		2.9280 - ROD AND CLEVIS ASSY., THROTTLE CONTROL												
8A	5127608	SHAFT ASSY. (10.64"L.)	1	1										
8A	5127611	SHAFT ASSY. (10.64"L.)			1									
8A	5128925	SHAFT (19"L.)					1							

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5666	5667	5668	5671	5673	5675	5683	5684	5689	5690	5693	5694
		2.9280 - ROD AND CLEVIS ASSY., THROTTLE CONTROL(CONT'D)												
8A	5128924	SHAFT (17"L.)					1							
8A	5173188	SHAFT (15.84"L.)					1							
	5123245	CLAMP, SWIVEL												1
	5125891	ROD (21"L.) (OUTPUT SHAFT GOVERNOR)												1
	5125888	ROD (40 9/32"L.) (TO MECHANICAL GOV.)												1
	5127236	ROD (12 9/16"L.)								1				
	5127090	ROD (15 1/4"L.)								1				
	5121239	ROD (7 1/2"L.)								1				
	5118951	JOINT, 5/16"-24 (12.9680)												2
	109408	JOINT, 5/16" BALL (12.9680)								2				
	103372	PIN, 3/32"X1/2" COTTER (12.9250)												1
	103495	PIN, 5/16" CLEVIS (12.9260)												1
	103319	LOCKWASHER, 1/4" (12.9200)								AR				
	103320	LOCKWASHER, 5/16" (12.9200)												AR
	121902	NUT, 1/4"-28 HEX. (12.9120)								12				
	114493	NUT, 5/16"-24 HEX. (12.9120)												5
		2.9290 - LEVER, THROTTLE CONTROL ROD LOWER												
	3224741	LEVER								1				
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)								1				
	103319	LOCKWASHER, 1/4" (12.9200)								1				
	121902	NUT, 1/4"-28 HEX. (12.9120)								1				
		2.9300 - LEVER, THROTTLE CONTROL ROD REAR												
8A	3222759	LEVER								3				
	5157412	SPACER (7.4013)								1				
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)								3				
	103319	LOCKWASHER, 1/4" (12.9200)								AR				
	121902	NUT, 1/4"-28 HEX. (12.9120)								3				
		2.9310 - SHAFT, THROTTLE CONTROL CROSS												
	5125893	SHAFT												1
	5127607	SHAFT	1	1	1									
	5113358	SPRING	1	1	1									
	5113359	SPRING	1	1	1									
	5160629	SPACER (4.2270)												1
	5113397	BUSHING (2.9142)	2	2	2									
	5180116	CLAMP (U)	2	2	2									
	103343	WASHER, 17/32" I.D. FLAT (12.9190)												2
	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4									
	120375	NUT, 1/4"-20 HEX. (12.9120)	4	4	4									

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 566	567	568	571	573	575	583	584	589	590	593	594
		2.9310 - SHAFT, THROTTLE CONTROL CROSS (CONT'D)												
	122295	NUT, 1/2"-20 HEX. JAM (12.9120)	2	2	2									
		2.9340 - LEVER, THROTTLE CONTROL CROSS SHAFT												
	5164318	LEVER												1
	5154448	LEVER (2.7160)												1
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)												2
	180021	BOLT, 1/4"-20X7/8" (12.9001)												2
	103319	LOCKWASHER, 1/4" (12.9200)												2
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING												
8A	**5145166**	BRACKET			1			1						
8A	**5122351** *	BRACKET			1			1						
	5118896	SPACER			1			1						
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2			2						
	103321	LOCKWASHER, 3/8" (12.9200)			2			2						
		* THRU 6VA-17849, 8VA-8429, 12VA-2561; NOT SERVICED, REPLACE WITH 5131749 BRACKET AND INCLUDE 1-5130928 EYE AND 2-123221 NUT IN 2.9348.												
		2.9347 - SPRING, THROTTLE BOOSTER												
8A	**5125716**	SPRING (7.18"L.)			1			1						
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING												
8A	**5134051**	EYE (3/8"X5 3/4" L.)			1			1						
8A	**5123762**	EYE (4"L.)			1			1						
8A	**5173036**	EYE (1/4"X5 3/4" L.)			1			1						
8A	**5125931**	EYE (7"L.)			1			1						
8A	**120375**	NUT, 1/4"-20 HEX. (12.9120)			2			2						
8A	**123221**	NUT, 3/8"-16 HEX. (12.9120)			2			2						
		2.9349 - NUT, THROTTLE BOOSTER SUPPORT												
	5186749	NUT (5/8") (SPRING HANGER)			1			1						
	5171045	BOLT (SHOULDERED)			1			1						
		2.9355 - SOLENOID, THROTTLE CONTROL												
	01424 *	SOLENOID (12V.) (GOVERNOR SHUTDOWN)				1		1						
	1119909 *	SOLENOID (24-32V.) (GOVERNOR SHUTDOWN) (7.4519)				1								

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 566	567	568	571	573	575	583	584	589	590	593	594
		2.9355 - SOLENOID, THROTTLE CONTROL (CONT'D)												
	1114407	* SOLENOID (24V.) (GOVERNOR SHUTDOWN)											2	
	1996097	* SWITCH (PUSH-BUTTON) (7.4115)				1		1						
	5120472	BEARING (2.9355)											2	
	186676	BOLT, 1/4"-20X5/8" (12.9001)				2								
	123450	BOLT, 1/4"-20X3/4" (12.9001)						2						
	181596	BOLT, 5/16"-24X7/8" (12.9001)											4	
	103319	LOCKWASHER, 1/4" (12.9200)				2		2						
	103320	LOCKWASHER, 5/16" (12.9200)											4	
	442826	LOCKNUT, 5/16"-24 HEX. (12.9140)											1	
	120375	NUT, 1/4"-20 HEX. (12.9120)				2		2						
	114493	NUT, 5/16"-24 HEX. (12.9120)											8	
		* PROCURE FROM AC DELCO.												
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID												
	5128520	@ BRACKET (MOUNTING)				1								
	5130518	BRACKET						1						
	5109524	BRACKET (MOUNTING)											1	
	132268	SCREW, 1/4"-20X7/8" (12.9025)				3		3						
	132273	SCREW, 1/4"-20X1" (12.9025)											4	
	5130517	WASHER						1						
	103319	LOCKWASHER, 1/4" (12.9200)				3		3					4	
		@ EFFECTIVE WITH 8VA-1163, TYPE 544.												
		2.9360 - SHAFT, THROTTLE CONTROL (TO GOV.)												
	5128161	SHAFT (28.10"L.)								1				
	5128160	SHAFT (39.60"L.)								1				
	5129027	ROD (1.38"L.)					1							
	5127598	ROD (6"L.)			1									
	5128232	ROD (9 1/4"L.)		1			1							
8A	5124427	ROD (10 3/8"L.)			1									
	5128163	ROD (37"L.)								1				
	5128164	* ROD (45"L.)								1				
	5128521	LINK				1								
	5115973	BEAM (OPERATING)											1	
	5114886	SPACER (2.9738)											2	
	5170676	SPACER (2.9010)											1	
	109408	JOINT, 5/16" BALL (12.9680)	2	2	2									
	116535	CLEVIS, 5/16"-24 ADJ. ROD (12.9620)	1	1	1									
	103361	PIN, 1/16"X1/2" COTTER (12.9250)				1								
	5147345	PIN, 1/4" CLEVIS (12.9260)				1								
	120392	WASHER, 1/4" FLAT (12.9190)				4		4						
	5150238	WASHER (3.4001)								2				
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR									
	114492	NUT, 1/4"-28 HEX. (12.9120)				2								

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 566	567	568	571	573	575	583	584	589	590	593	594
		2.9360 - SHAFT, THROTTLE CONTROL (TO GOV.) (CONT'D)												
	114493	NUT, 5/16"-24 HEX. (12.9120)	4	4	4									
		* NO LONGER AVAILABLE FOR SERVICE.												
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT												
	3222760	LEVER					1			1				
	106276	BOLT, 1/4"-28X1 1/2" (12.9001)					1			1				
	103319	LOCKWASHER, 1/4" (12.9200)					1			1				
	121902	NUT, 1/4"-28 HEX. (12.9120)					1			1				
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING												
	5128848	SPRING								1				
		2.9410 - LEVER, GOVERNOR CONTROL												
8A	5122350	LEVER						1						
8A	5131189 *	LEVER				1								1
	5113338	LEVER (ON OUTPUT SHAFT GOVERNOR)	1											
8A	5124504	LEVER (2.7170)			1									
8A	5129917	LEVER					1			1				
8A	3249132	LEVER						1						1
	5183802	LEVER (2.7170)												1
	5109314	LEVER, OPERATING												1
	5109313	BRACKET, SPEED ADJUSTING LINK (ON HYDRAULIC GOVERNOR)												1
	5109312	LINK, SPEED ADJUSTING (ON HYDRAULIC GOVERNOR)					2							
	5118491	JOINT, BALL						1						1
	5100004	EYE, CONTROL LINK ADJUSTING ROD												2
	5158149	SPACER, 13/64"I.D.X.18"												1
	457033	SCREW, #10-32X1 5/8" FIL. HD. (12.9025)												1
	103361	PIN, 1/16"X1/2" COTTER (12.9250)												1
	180021	BOLT, 1/4"-20X7/8" (12.9001)	1		1	1		1						1
	213546	BOLT, 1/4"-20X1" (12.9001)						1						
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)					1			1				
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)						1						
	103319	LOCKWASHER, 1/4" (12.9200)	AR		AR	AR	AR	AR		AR				AR
	120380	LOCKWASHER, 1/4" (12.9200)												AR
	103320	LOCKWASHER, 5/16" (12.9200)						1						
	120375	NUT, 1/4"-20 HEX. (12.9120)												1
	121902	NUT, 1/4"-28 HEX. (12.9120)				1	1	1		1				
	219210	NUT, 1/4"-28 WING (12.9160)												2
	114493	NUT, 5/16"-24 HEX. (12.9120)						1						

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 566	567	568	571	573	575	583	584	589	590	593	594
		2.9410 - LEVER, GOVERNOR CONTROL (CONT'D)												
		* EFFECTIVE WITH 8VA-1163.												
		2.9422 - WIRE, GOVERNOR CONTROL												
8A	5146240	WIRE ASSY. (46.84" L.)		1	1							1		1
8A	5146239	WIRE ASSY. (90" L.)							1					
	5184255	PLATE, NAME (STOP) WASHER, 1/4" FLAT (12.9100)		1	1				1			1		1
	103341	WASHER, 3/8" FLAT (12.9190)		1	1				1			1		1
	103321	LOCKWASHER, 3/8" (12.9200)		1	1				1			1		1
	117049	NUT, 3/8"-24 HEX. (12.9120)		1	1				1			1		1
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL												
	5161464	PIN		1	1				1		1	1		1
	142583	RETAINER, 13/64" (SPRING) (12.9640)		1	1				1		1	1		1
	100659	SCREW, #10-32X3/8" FIL. HD. (12.9010)		1	1				1		1	1		1
	5150941	WASHER (2.7310)		1	1				1		1	1		1
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE												
8A	5163442	CLIP (AT GOVERNOR COVER BOLT)												1
8A	5127619	CLIP (UNDER GOVERNOR COVER BOLT)		1	1						1	1		
8A	3290569	CLIP (7.8320)							1					
	123298	BOLT, 1/4"-28X3/8" (12.9001)							1		1	1		
	103319	LOCKWASHER, 1/4" (12.9200)							AR		AR	AR		
	121902	NUT, 1/4"-28 HEX. (12.9120)							1		1	1		

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 596	599	605	617	621	622	634	645	651	654	655	659
		2.9100 - KNOB, THROTTLE CONTROL												
	5128820	KNOB		1							1			
	5128816	LEVER (HAND) (9 23/64" L.)		1							1			
	100002	BOLT, 1/4"-28X1" (12.9001)		1							1			
	103319	LOCKWASHER, 1/4" (12.9200)		1							1		-	
		2.9133 - CONTROL, VERNIER THROTTLE												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	3292337	CONTROL ASSY.								1				
		2.9150 - BRACKET, THROTTLE CONTROL KNOB SHAFT												
		INCLUDES 2 BUSHINGS IN 2.9160.												
	3292280	BRACKET ASSY.								1				
	133046	BOLT, 1/4"-20X7/8" (12.9001)								3				
	103319	LOCKWASHER, 1/4" (12.9200)								3				
	120375	NUT, 1/4"-20 HEX. (12.9120)								3				
		2.9160 - BUSHING, THROTTLE CONTROL SHAFT BRACKET												
	3222765	BUSHING								7				
		2.9170 - PLATE, THROTTLE CONTROL INDICATOR												
8C	5126905	PLATE								1				
		2.9190 - COUPLING, THROTTLE CONTROL SHAFT												
8C	5166494	COUPLING								1				
8C	139009	SCREW, 1/4"-28X1/4" SET (12.9076)								4				
		2.9200 - SHAFT, THROTTLE CONTROL SHAFT STUB												
	5126998	SHAFT (7.90" L.)								1				
		2.9220 - BRACKET, GOVERNOR CONTROL SHAFT REAR												
		A BRACKET ASSY. INCLUDES BUSHING IN 2.9160.												
	5125894	BRACKET										1		1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 596	599	605	617	621	622	634	645	651	654	655	659
		2.9220 - BRACKET, GOVERNOR CONTROL SHAFT REAR(CONT'D)												
	5127742 *	BRACKET ASSY.								1				
	5127320	BRACKET ASSY. (EXTENSION)								1				
	5130387	BRACKET ASSY.								1				
	5127309	BRACKET ASSY. (FRONT)								1				
	5130389	BRACKET ASSY.								1				
	5157412	SPACER, 7/8"X1/4"								2				
	191758	FITTING, 1/8" LUBE (12.9540)										1		1
	214269	SCREW, 1/4"-28X1" (12.9010)								2				
	180021	BOLT, 1/4"-20X7/8" (12.9001)								4				
	100001	BOLT, 1/4"-28X3/4" (12.9001)								2				
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)										1		1
	188146	BOLT, 3/8"-24X4 5/8" (12.9001)								2				
	186317	BOLT, 3/8"-24X5" (12.9001)										1		1
	103319	LOCKWASHER, 1/4" (12.9200)								AR				
	103321	LOCKWASHER, 3/8" (12.9200)								AR		AR		AR
	114492	NUT, 1/4"-28 JAM HEX. (12.9120)								4				
		* OBSOLETE.												
		2.9230 - BUSHING, GOVERNOR CONTROL SHAFT BRACKET												
	148403	BEARING (2.7270)										2		2
		2.9280 - ROD AND CLEVIS ASSY., THROTTLE CONTROL												
	5130564	ROD (2 3/8"L.) (OUTPUT SHAFT GOVERNOR)							1					
	5121239	ROD (7 1/2"L.)								1				
	5127236	ROD (12 9/16"L.)								1				
	5130912	ROD (14.50"L.)								1				
	5125892	ROD (25.40"L.) (OUTPUT SHAFT GOVERNOR)												1
	5125887	ROD (28 7/8"L.) (TO MECHANICAL GOVERNOR)												1
	5132459	ROD (30.75"L.) (OUTPUT SHAFT GOVERNOR)										1		
	5125888	ROD (40 9/32"L.) (TO MECHANICAL GOV.)										1		
8A	5127608	SHAFT ASSY. (10.64"L.)		1										
8A	5127611	SHAFT ASSY. (10.64"L.)									1			
	5118491	JOINT, 1/4"-28 BALL (12.9680)								6				
	5123888	JOINT, 5/16"-24 L.H. (12.9680)							1					
	5118951	JOINT, 5/16"-24 BALL (12.9680)							1			2		2
	5123245	CLAMP, SWIVEL										1		1
	103372	PIN, 3/32"X1/2" COTTER (12.9250)										1		1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5961	5999	6005	6117	6211	6222	6344	6445	6511	6554	6555	6559
		2.9280 - ROD AND CLEVIS ASSY., THROTTLE CONTROL(CONT'D)												
	103495	PIN, 5/16"X31/32" CLEVIS (12.9260)										1		1
	120380	LOCKWASHER, 1/4" (12.9200)								AR				
	103320	LOCKWASHER, 5/16" (12.9200)							AR			AR		AR
	121902	NUT, 1/4"-28 HEX. (12.9120)								12				
	121928	NUT, 5/16"-24 L.H. HEX. (12.9120)							1					
	114493	NUT, 5/16"-24 HEX. (12.9120)							3			5		5
		2.9290 - LEVER, THROTTLE CONTROL ROD LOWER												
	3222759	LEVER								1				
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)								1				
	120380	LOCKWASHER, 1/4" (12.9200)								1				
	121902	NUT, 1/4"-28 HEX. (12.9120)								1				
		2.9300 - LEVER, THROTTLE CONTROL ROD REAR												
	3222759	LEVER								3				
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)								3				
	5187628	WASHER (1/4") (2.9108)								1				
	120380	LOCKWASHER, 1/4" (12.9200)								3				
	121902	NUT, 1/4"-28 HEX. (12.9120)								3				
		2.9310 - SHAFT, THROTTLE CONTROL CROSS												
	5127607	SHAFT		1							1			
	5125893	SHAFT										1		1
	5113358	SPRING		1							1			
	5113359	SPACER, 1/2"X3/4"X1/8"		1							1			
	5160629	SPACER (4.2270)										1		1
	5113397	BUSHING (2.9142)		2										
	5113378	PAD (2.9105)		1										
	5180116	CLAMP (U)		2							2			
	5113377	WASHER (DISC) (2.9105)		1							1			
	103343	WASHER, 1/2" FLAT (12.9190)										2		2
	120380	LOCKWASHER, 1/4" (12.9200)		4							4			
	122295	NUT, 1/4"-20 HEX. JAM (12.9120)		2							2			
	120375	NUT, 1/4"-20 HEX. (12.9120)		4							4			
		2.9340 - LEVER, THROTTLE CONTROL CROSS SHAFT												
	5164318	LEVER										1		1
	5154448	LEVER (2.7160)										1		1
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)										2		2
	180021	BOLT, 1/4"-20X7/8" (12.9001)										2		2

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 596	599	605	617	621	622	634	645	651	654	655	659
		2.9340 - LEVER, THROTTLE CONTROL CROSS SHAFT (CONT'D)												
	120380	LOCKWASHER, 1/4" (12.9200)										2		2
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING												
8A	**5122351** *	BRACKET	1			1		1			1			
8A	**5131749** #	BRACKET	1			1		1					1	
	5118896	SPACER (2.3530)	1			1		1			1		1	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2								2		2	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				2		2						
	103321	LOCKWASHER, 3/8" (12.9200)	2			2		2			2		2	
		* THRU 6VA-17849, 8VA-8428, 12VA-2561. NOT SERVICED, REPLACE WITH 5131749 BRACKET AND 1-5130928 EYE AND 2-123221 NUTS IN 2.9348.												
		# EFF. WITH 6VA-17850, 8VA-8429, 12VA-2562. NOT SERVICED, USE 5145166 AND INCLUDE (1) 5130928 AND (2) 123221 NUT												
		2.9347 - SPRING, THROTTLE BOOSTER												
8A	**5125716** &	SPRING (7.18"L.)	1			1		1			1		1	
8A	**5140451** %	SPRING (8.59"L.)	1			1		1			1		1	
		& THRU 6VA-3950, 8VA-43334, 12VA-10999.												
		% EFFECTIVE WITH 6VA-39051, 8VA-43334, 12VA-11000.												
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING												
8A	**5134051**	EYE (3/8"X4"L.)	1			1		1			1		1	
8A	**5123762**	EYE (4"L.)	1			1		1						
8A	**5125931**	EYE (7"L.)	1			1		1						
8A	**120375**	NUT, 1/4"-20 HEX. (12.9120)	2			2		2						
8A	**123221**	NUT, 3/8"-16 HEX. (12.9120)	2			2		2			2		2	
		2.9349 - HANGER, THROTTLE BOOSTER SUPPORT												
		A HANGER ASSY. INCLUDES ROLLER ASSY., STUD, RETAINING RING AND (1) WASHER IN 2.9349.												
	5132944	HANGER ASSY.											1	
	5186749	NUT (5/8" L.) (SPRING HANGER)	1			1		1			1			
8D	**5132389**	ROLLER ASSY. (INCLUDES BUSHING)											1	

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 596	599	605	617	621	622	634	645	651	654	655	659
		2.9349 - HANGER, THROTTLE BOOSTER SUPPORT (CONT'D)												
8D	274676	RING, RETAINING (1.4650)											1	
8D	5181264	BUSHING (2.10032)											1	
	5171045	BOLT (SHOULDERED)	1			1		1			2			
8D	5131981	STUD, ROLLER (5/16"-24X1.46")											1	
	106261	WASHER, 1/4" FLAT (12.9190)											1	
	114493	NUT, 5/16"-24 HEX. (12.9120)											1	
		2.9355 - SOLENOID, THROTTLE CONTROL												
	1119757	* SOLENOID (12V.) (GOVERNOR SHUTDOWN)	1		1	1		1						
	1119909	* SOLENOID (24-32V.) (GOVERNOR SHUTDOWN)	1		1			1						
	1996097	* SWITCH (PUSH-BUTTON) (7.4115)	1		1			1						
	5130517	SPACER (17/64"X1 1/16"X.095") (2.9357)						1						
	117461	BOLT, 1/4"-20X9/16" (12.9001)			2									
	181309	BOLT, 1/4"-28X1/2" (12.9001)						2						
	123450	BOLT, 1/4"-28X3/4" (12.9001)	2											
	120392	WASHER, 1/4" FLAT (12.9190)	2											
	103319	LOCKWASHER, 1/4" (12.9200)	2		2			2						
	120375	NUT, 1/4"-20 HEX. (12.9120)			2									
	121902	NUT, 1/4"-28 HEX. (12.9120)	2					2						
	114492	NUT, 1/4"-28 JAM HEX. (12.9120)						2						
		* PROCURE FROM AC DELCO.												
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID												
	5130518	* BRACKET	1					1						
	5170512	BRACKET			1									
	5130517	SPACER (17/64"X1 1/16"X.095")	1					1						
	5157783	SPACER (19/16"I.D.X17/32"O.D.X 9/32"L)						2						
	5128521	LINK, SOLENOID (2.9355)			1									
	132268	SCREW, 1/4"-20X7/8" FIL. HD. (12.9025)	3		3									
	103361	PIN, 1/16"X1/2" COTTER (12.9250)			1									
	5147345	PIN, 1/4" CLEVIS (12.9260)			1									
	186601	BOLT, 1/4"-20X1 1/4" (12.9001)						2						
	120392	WASHER, 1/4" FLAT (12.9190)			2									
	103319	LOCKWASHER, 1/4" (12.9200)	3		AR			2						
	114492	NUT, 1/4"-28 HEX. (12.9120)			2									
		* INCLUDE 5130517 SPACER.												
		2.9360 - SHAFT, THROTTLE CONTROL (TO GOVERNOR)												
	5128161	SHAFT (28.10"L.)								1				
8A	5124427	ROD (10 3/8"L.)									1			
8A	5128231	ROD (13 1/4" L.)		1										

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 596	599	605	617	621	622	634	645	651	654	655	659
		2.9360 - SHAFT, THROTTLE CONTROL (TO GOVERNOR)(CONT'D)												
	5128163	ROD (37"L.)								1				
8A	5118951	JOINT, 5/16" BALL (12.9680)		2							2			
	5150238	WASHER (3.4001)								2				
	103320	LOCKWASHER, 5/16" (12.9200)		2							2			
	114493	NUT, 5/16"-24 HEX. (12.9120)		4							4			
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT												
	3222759	LEVER (2.9300)								1				
	120392	WASHER, 1/4" FLAT (12.9190)								1				
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)								1				
	103319	LOCKWASHER, 1/4" (12.9200)								1				
	121902	NUT, 1/4"-28 HEX. (12.9120)								1				
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING												
	5128848	SPRING								1				
		2.9410 - LEVER, GOVERNOR CONTROL												
8A	5130699	LEVER	1			1		1					1	
	5183802	LEVER (2.7170)	1					1						
8A	5124504	LEVER (2.7170)		1			1							
	5131189	LEVER			1									
8A	3249132	LEVER								1				
8A	5129917	LEVER									1			
	5113338	LEVER (ON OUTPUT SHAFT GOVERNOR)										1		1
	5109314	LEVER, OPERATING										1		1
	5100004	EYE, CONTROL LINK ADJUSTING ROD (2.9024)	1											
	5109313	BRACKET, SPEED ADJUSTING LINK (ON HYDRAULIC GOVERNOR)										1		1
	5158149	SPACER (13/64"I.D.X18")										1		1
	5109312	LINK, SPEED ADJUSTING (ON HYDRAULIC GOVERNOR)										1		1
	457033	SCREW, #10-32X1 5/8" FIL. HD. (12.9010)										2		2
	103361	PIN, 1/16"X1/2" COTTER (12.9250)										1		1
	180021	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1	1	1	1			1	1	1	1
	213546	BOLT, 1/4"-20X1" (12.9001)	1									1		1
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)								1				
	217947	BOLT, 5/16"-24X5/8" (12.9001)						1						
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)	1											
	103319	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
	103320	LOCKWASHER, 5/16" (12.9200)	1											

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 596	599	605	617	621	622	634	645	651	654	655	659
		2.9410 - LEVER, GOVERNOR CONTROL (CONT'D)												
	120375	NUT, 1/4"-20 HEX. (12.9120)										1		1
	121902	NUT, 1/4"-28 HEX. (12.9120)			1					1				
	114492	NUT, 1/4"-28 HEX. (12.9120)	1									2		2
	219210	NUT, 1/4"-28 WING (12.9160)												
	114493	NUT, 5/16"-24 HEX. (12.9120)	2											
		2.9422 - WIRE, GOVERNOR CONTROL												
8A	5146240	WIRE ASSY. (46.84"L.)									1	1		1
	5184255	PLATE, NAME (STOP)									1	1		1
	103341	WASHER, 3/8" FLAT (12.9190)									1	1		1
	103321	LOCKWASHER, 3/8" (12.9200)									1	1		1
	117049	NUT, 3/8"-24 HEX. (12.9120)									1	1		1
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL												
	5161464	PIN									1	1		1
	142583	RETAINER, 13/64" (SPRING) (12.9640)									1	1		1
	100659	SCREW, #10-32X3/8" FIL. HD. (12.9010)									1	1		1
	5150941	WASHER (2.7310)									1	1		1
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE												
8A	5127619	CLIP									1			
8A	5163442	CLIP, 1/4"									1	1		1
	123298	BOLT, 1/4"-28X3/8" (12.9001)									1			
	103319	LOCKWASHER, 1/4" (12.9200)									1			
	121902	NUT, 1/4"-28 HEX. (12.9120)									1			
		2.9700 - SUPPORT, THROTTLE CONTROL BELL CRANK												
	5130345	SUPPORT ASSY.					1							
		2.9705 - BEARING, THROTTLE CONTROL BELL CRANK SUPPORT												
	5132102	BUSHING (2.9641)					1							
		2.9710 - BELL CRANK, THROTTLE CONTROL												
		A BELL CRANK ASSY. INCLUDES ITEMS IN 2.9710 PLUS ITEMS IN 2.9700 AND 2.9705.												

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 596	599	605	617	621	622	634	645	651	654	655	659
		2.9710 - BELL CRANK, THROTTLE CONTROL (CONT'D)												
	5130347	BELL CRANK ASSY.					1							
	5130346	SUPPORT ASSY. (INCLUDES 5177381 BUSHING)					1							
	5135653	SPRING					1							
	5117082	SPACER (3.4103)					1							
	9418564	RETAINER					1							
	271283	FITTING, 1/8"-45 DEG. LUBE (12.9540)					1							
	5187988 *	BOLT (3/8"-16X7/8")					2							
	181595	BOLT, 5/16"-24X3/4" (12.9001)					1							
	100014	BOLT, 5/16"-24X1" (12.9001)					1							
	103341 *	WASHER, 3/8" FLAT (12.9190)					2							
	103320	LOCKWASHER, 5/16" (12.9200)					AR							
	114493	NUT, 5/16"-24 HEX. (12.9120)					2							
		* NOT PART OF BELL CRANK ASSY.												
		2.9720 - ROD, THROTTLE CONTROL LEVER TO BELL CRANK												
	5130666	ROD					1							
	5127470	BEARING, ROD END (2.9720)					1							
	5120472	BEARING, ROD END (2.9720)					1							
	103320	LOCKWASHER, 5/16" (12.9200)					2							
	114493	NUT, 5/16"-24 HEX. (12.9120)					3							
	121928	NUT, 5/16"-24 L.H. HEX. (12.9120)					1							

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 60	62	667	675	677	682	690	701	706	707	711
		2.9160 - BUSHING, THROTTLE CONTROL SHAFT BRACKET											
	3222765	BUSHING									7	7	
		2.9220 - BRACKET, GOVERNOR CONTROL SHAFT REAR											
		A BRACKET ASSY. INCLUDES BUSHING IN 2.9160.											
	5125894	BRACKET									1	1	
	5160629	SPACER, 13/32" (4.2270)										1	
	191758	FITTING, 1/8" LUBE (12.9540)									1	1	
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)									1	1	
	186317	BOLT, 3/8"-24X5" (12.9001)									1	1	
		2.9230 - BUSHING, GOVERNOR CONTROL SHAFT BRACKET											
	148403	BEARING (2.7270)									2	2	
		2.9280 - ROD AND CLEVIS ASSY., THROTTLE CONTROL											
	5125890	ROD (17.80"L.) (OUTPUT SHAFT GOVERNOR)									1	1	
	5125887	ROD (28 7/8"L.) (TO MECHANICAL GOVERNOR)									1	1	
	5118951	JOINT, 5/16"-24 BALL (12.9680)									2	2	
	5123245	CLAMP, SWIVEL									1	1	
	103372	PIN, 3/32"X1/2" COTTER (12.9250)									1	1	
	103495	PIN, 5/16"X31/32" CLEVIS (12.9260)									1	1	
	103320	LOCKWASHER, 5/16" (12.9200)									AR	AR	
	114493	NUT, 5/16"-24 HEX. (12.9120)									5	5	
		2.9310 - SHAFT, THROTTLE CONTROL CROSS											
	5125893	SHAFT									1	1	
	103343	WASHER, 1/2" FLAT (12.9190)									2	2	
		2.9340 - LEVER, THROTTLE CONTROL CROSS SHAFT											
	5164318	LEVER									1	1	
	5154448	LEVER (2.7160)									1	1	
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)									2	2	
	5151249	SHIM,					1						

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2.9000A THROTTLE CONTROLS

I.FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6600	6622	6667	6675	6677	6682	6690	7001	7006	7007	7111
		2.9340 - LEVER, THROTTLE CONTROL CROSS SHAFT (CONT'D)											
	180021	BOLT, 1/4"-20X7/8" (12.9001)									2	2	
	120380	LOCKWASHER, 1/4" (12.9200)									2	2	
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING											
8A	5131749 *	BRACKET		1		1	1		1	1			
	5118896	SPACER (2.3530)		1		1	1		1	1			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		2		2	2		2	2			
	103321	LOCKWASHER, 3/8" (12.9200)		2		2	2		2	2			
		* EFFECTIVE WITH 6VA-17850, 8VA-8429, 12VA-2562.											
		2.9347 - SPRING, THROTTLE BOOSTER											
8A	5125716 #	SPRING (7.18"L.)		1		1	1		1				
8A	5134993	SPRING (8.92"L.)								1			
8A	5140451 &	SPRING (8.59"L.)		1		1	1		1				
		# THRU 6VA-3950, 8VA-43334, 12VA-10999.											
		& EFFECTIVE WITH 6VA-39051, 8VA-43334, 12VA-11000.											
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING											
8A	5135183	EYE (3/8"X4.75"L.)					1						
8A	5134051	EYE (3/8"X4"L.)		1		1	1		1	1			
8A	123221	NUT, 3/8"-16 HEX. (12.9120)		2		2	2		2	2			
		2.9349 - HANGER, THROTTLE BOOSTER SUPPORT											
		A HANGER ASSY. INCLUDES ROLLER ASSY., STUD, RETAINING RING AND (1) WASHER IN 2.9349.											
	5132944	HANGER ASSY.		1		1							
	5134696	HANGER ASSY.								1			
	5186749	NUT (5/8" L.) (SPRING HANGER)					1		1				
8D	5132389	ROLLER ASSY. (INCLUDES BUSHING)		1		1							
	5134694	ROLLER ASSY. (INCLUDES BUSHING)								1			
8D	274676	RING, RETAINING (1.4650)		1		1				1			
	5134692	BUSHING								1			
8D	5181264	BUSHING (2.10032)		1		1							
	5171045	BOLT (SHOULDERED)					1		1				
	5136605	STUD, ROLLER (5/16"-24X1.43")								1			

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6600	6602	6607	6675	6677	6682	6900	7001	7006	7007	7111
		2.9349 - HANGER, THROTTLE BOOSTER SUPPORT (CONT'D)											
8D	5131981	STUD, ROLLER (5/16"-24X1.46")		1		1							
	106261	WASHER, 1/4" FLAT (12.9190)		1		1				1			
	114493	NUT, 5/16"-24 HEX. (12.9120)		1		1				1			
		2.9355 - SOLENOID, THROTTLE CONTROL											
	1119757	* SOLENOID (12V.) (GOVERNOR SHUTDOWN)	1										
	1118128	* SOLENOID (12V.) (GOVERNOR SHUTDOWN)											1
	1119909	* SOLENOID (24-32V.) (GOVERNOR SHUTDOWN)			1								
	1996097	* SWITCH (PUSH-BUTTON) (7.4115)			1								1
	5297567	PLUG ASSY.						1					
	5295630	CLAMP ASSY.						1					
	5130517	SPACER (17/64"X1 1/16"X.095") (2.9357)	1		1								
	117461	BOLT, 1/4"-20X9/16" (12.9001)											4
	181309	BOLT, 1/4"-28X1/2" (12.9001)	2		2								
	103319	LOCKWASHER, 1/4" (12.9200)			2								4
	120375	NUT, 1/4"-20 HEX. (12.9120)											4
	121902	NUT, 1/4"-28 HEX. (12.9120)	2		2								
	114492	NUT, 1/4"-28 JAM HEX. (12.9120)	2		2								
		* PROCURE FROM AC DELCO.											
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID											
	5132880	BRACKET	1		1								
	5136695	BRACKET (MOUNTING)											1
	5112299	BRACKET (2.9360)											1
	132268	SCREW, 1/4"-20X7/8" FIL. HD. (12.9025)											3
	103361	PIN, 1/16"X1/2" COTTER (12.9250)											1
	5147345	PIN, 1/4" CLEVIS (12.9260)											1
	213546	BOLT, 1/4"-20X1" (12.9001)	2		2								
	120392	WASHER, 1/4" FLAT (12.9190)											2
	103319	LOCKWASHER, 1/4" (12.9200)	2		2								
	114492	NUT, 1/4"-28 HEX. (12.9120)											2
		2.9360 - SHAFT, THROTTLE CONTROL (TO GOVERNOR)											
8A	5118951	JOINT, 5/16" BALL (12.9680)							2				
	114493	NUT, 5/16"-24 HEX. (12.9120)							4				
		2.9410 - LEVER, GOVERNOR CONTROL											
	5131189	LEVER											1
8A	5129917	LEVER							1				
	5113338	LEVER (ON OUTPUT SHAFT GOVERNOR)									1	1	

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6600	6622	6667	6675	6677	6682	6900	7001	7006	7007	7111
		2.9410 - LEVER, GOVERNOR CONTROL (CONT'D)											
	5109314	LEVER, OPERATING										1	
8A	5132988	LEVER	1		1								
	5132981	LEVER		1									
8A	5123880	LEVER				1	1			1			
	2394395	LEVER						1					
	5175081	LEVER									1		
	5182684	QUADRANT									1		
	5176267	LOCK, LEVER (OPERATING LEVER) (2.9635)									1		
	5109313	BRACKET, SPEED ADJUSTING LINK (ON HYDRAULIC GOVERNOR)										1	
	5170765	SPACER, 11/32" (7.1581)									1		
	5158149	SPACER, (13/64"I.D.X.18")										2	
	5109312	LINK, SPEED ADJUSTING (ON HYDRAULIC GOVERNOR)										1	
	457033	SCREW, #10-32X1 5/8" FIL. HD. (12.9010)										2	
	103361	PIN, 1/16"X1/2" COTTER (12.9250)										1	
	5182699	STUD, 5/16"-24X2 7/16"									1		
	180021	BOLT, 1/4"-20X7/8" (12.9001)		1		1	1		1	1	1	1	1
	213546	BOLT, 1/4"-20X1" (12.9001)						1			1	1	
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)	1		1								
	138232	BOLT, 5/16"-24X1" SOC. HD. (12.9027)	1		1								
	103319	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	120380	LOCKWASHER, 1/4" (12.9200)									AR	AR	
	5182685	NUT, LOCK									1		
	120375	NUT, 1/4"-20 HEX. (12.9120)									1	1	
	121902	NUT, 1/4"-28 HEX. (12.9120)	1		1								
	219210	NUT, 1/4"-28 WING (12.9160)										2	
	131485	NUT, 5/16"-24 HEX. (12.9170)									1		
	114493	NUT, 5/16"-24 HEX. (12.9120)	2		2								
		2.9422 - WIRE, GOVERNOR CONTROL											
8A	5146240	WIRE ASSY. (46.84"L.)				1			1		1	1	
	5184255	PLATE, NAME (STOP)				1			1		1	1	
	103341	WASHER, 3/8" FLAT (12.9190)				1			1		1	1	
	103321	LOCKWASHER, 3/8" (12.9200)				1			1		1	1	
	117049	NUT, 3/8"-24 HEX. (12.9120)				1			1		1	1	
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL											
	5161464	PIN				1			1		1	1	
	142583	RETAINER, 13/64" (SPRING) (12.9640)				1			1		1	1	
	100659	SCREW, #10-32X3/8" FIL. HD. (12.9010)				1			1		1	1	

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 660	662	667	675	677	682	690	701	706	707	711
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL (CONT'D)											
	5150941	WASHER (2.7310)				1			1		1	1	
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE											
8A	**5127619**	CLIP				1			1				
8A	**5163442**	CLIP, 1/4"									1	1	
	123298	BOLT, 1/4"-28X3/8" (12.9001)				1			1				
	103319	LOCKWASHER, 1/4" (12.9200)				1			1				
	121902	NUT, 1/4"-28 HEX. (12.9120)				1			1				
		2.9859 - VALVE, AIR CYLINDER CONTROL											
	2413643	VALVE						1					
		2.9860 - CYLINDER ASSY., THROTTLE CONTROL AIR											
	2425891 *	CYLINDER ASSY.						1					
	132908	SCREW, #10-32X1/2" RD. HD. (12.9025)						2					
	120217	LOCKWASHER, #10 (12.9200)						2					

* SERVICED ONLY AS AN ASSY., FOR COMPONENTS CONTACT A. SCHRADER'S SON, DIV. OF SCOVILL MFG. CO. INC., BROOKLYN, NEW YORK.

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 717	722	729	734	735	736	738	739	741	747	750	764
		2.9100 - KNOB, THROTTLE CONTROL												
		A KNOB ASSY. INCLUDES KNOB IN 2.9100 AND ITEMS IN 2.9105, 2.9106, 2.9108, 2.9110, 2.9132, 2.9170 PLUS COUPLING AND PIN IN 2.9190.												
8C	**5128820**	KNOB			1									
	5128816	LEVER (HAND) (9 23/64"L.)			1									
	100002	BOLT, 1/4"-28X1" (12.9001)			1									
	103319	LOCKWASHER, 1/4" (12.9200)			1									
		2.9133 - CONTROL, VERNIER THROTTLE												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	3292337	CONTROL ASSY.				1		1						
		2.9150 - BRACKET, THROTTLE CONTROL KNOB SHAFT												
		A BRACKET ASSY. INCLUDES (2) TWO BUSHINGS IN 2.9160.												
	3292280	BRACKET ASSY.				1		1						
	133046	BOLT, 1/4"-20X7/8" (12.9001)				3		3						
	103319	LOCKWASHER, 1/4" (12.9200)				3		3						
	120375	NUT, 1/4"-20 HEX. (12.9120)				3		3						
		2.9160 - BUSHING, THROTTLE CONTROL SHAFT BRACKET												
	3222765	BUSHING				6		6	2					
		2.9170 - PLATE, THROTTLE CONTROL INDICATOR												
8C	**5126905**	PLATE				1		1						
		2.9190 - COUPLING, THROTTLE CONTROL SHAFT												
8C	**5166494**	COUPLING				1		1						
8C	**139009**	SCREW, 1/4"-28X1/4" SET (12.9076)				4		4						
		2.9200 - SHAFT, THROTTLE CONTROL SHAFT STUB												
	5126998	SHAFT (7.90"L.)				1		1						

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 717	722	729	734	735	736	738	739	741	747	750	764
		2.9220 - BRACKET, GOVERNOR CONTROL SHAFT REAR												
		A BRACKET ASSY. INCLUDES BUSHING IN 2.9160.												
	5125894	BRACKET					1		1	1				
	5127320	BRACKET ASSY. (EXTENSION)				1		1						
	5130389	BRACKET ASSY.				1		1						
	5127309	* BRACKET ASSY. (FRONT)				1		1						
	5127742	* BRACKET ASSY.				1		1						
	5130387	BRACKET ASSY.				1		1						
	5161327	+ ROD ASSY. (7.4013) (#040280)				2								
	5160629	SPACER (4.2270)							1	1				1
	191758	FITTING, 1/8" LUBE (12.9540)					1		1	1				
	214269	SCREW, 1/4"-28X1" (12.9010)				4		4						
	180021	BOLT, 1/4"-20X7/8" (12.9001)				4		4						
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)					1		1	1				
	188146	BOLT, 3/8"-24X4 5/8" (12.9001)				2		2						
	186317	BOLT, 3/8"-24X5" (12.9001)					1		1	1				
	103319	LOCKWASHER, 1/4" (12.9200)				4		4						
	114492	NUT, 1/4"-28 HEX. (12.9120)				4		4						
		* OBSOLETE.												
		+ NOT SERVICED, CONTACT WOODWARD GOVERNOR CO. FURNISH PART NUMBER SHOWN IN PARENTHESES.												
		2.9230 - BUSHING, GOVERNOR CONTROL SHAFT BRACKET												
	148403	BEARING (2.7270)					2		2	2				
		2.9280 - ROD AND CLEVIS ASSY. THROTTLE CONTROL												
	5121239	ROD (7 1/2"L.)				1		1						
	5130912	ROD (14.50"L.)				1		1						
	5127236	ROD (12 9/16"L.)				1		1						
	5125887	ROD					1		1	1				
	5125892	ROD (OUTPUT SHAFT GOVERNOR)					1		1	1				
8A	5127611	SHAFT ASSY. (10.64"L.)			1									
	5123245	CLAMP, SWIVEL					1		1	1				
	5118491	JOINT, 1/4"-28				6		6						
	5118951	JOINT, 5/16"-24 (12.9680)					2		2	2				
	103372	PIN, 3/32"X1/2" COTTER (12.9250)					1		1	1				
	103495	PIN, 5/16" CLEVIS (12.9260)					1		1	1				
	103319	LOCKWASHER, 1/4" (12.9200)				AR		AR						
	103320	LOCKWASHER, 5/16" (12.9200)					AR		AR	AR				
	121902	NUT, 1/4"-28 HEX. (12.9120)				12		12						
	114493	NUT, 5/16"-24 HEX. (12.9120)					5		5	5				
		2.9300 - LEVER, THROTTLE CONTROL ROD REAR												
8A	3222759	LEVER				3		3						
	5157412	SPACER (7.4013)				1		1						
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)				3		3						

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 717	722	729	734	735	736	738	739	741	747	750	764
		2.9300 - LEVER, THROTTLE CONTROL ROD REAR (CONT'D)												
	5187628	WASHER, 5/8" FLAT (2.9108)				1		1						
	103319	LOCKWASHER, 1/4" (12.9200)				3		3						
	114492	NUT, 1/4"-28 HEX. (12.9120)				3		3						
		2.9310 - SHAFT, THROTTLE CONTROL CROSS												
	5127607	SHAFT			1									
	5125893	SHAFT					1		1	1				
	5113358	SPRING			1									
	5113359	SPRING			1									
	5113378	PAD (2.9105)			1									
	5113397	BUSHING (2.9142)			1									
	5180116	CLAMP (2.9867)			2									
	5113377	WASHER (DISC) (2.9105)			1									
	103343	WASHER, 17/32"I.D. FLAT (12.9190)					2		2	2				
	103319	LOCKWASHER, 1/4" (12.9200)			4									
	120375	NUT, 1/4"-20 HEX. (12.9120)			4									
	122295	NUT, 1/2"-20 HEX. (12.9120)			2									
		2.9340 - LEVER, THROTTLE CONTROL CROSS SHAFT												
	5164318	LEVER					1		1	1				
	5154448	LEVER (2.7170)					1		1					
	5158432	LEVER (2.7170)								1				
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)					2		2	2				
	180021	BOLT, 1/4"-20X7/8" (12.9001)					2		2	2				
	103319	LOCKWASHER, 1/4" (12.9200)					2		2	2				
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING												
8A	5136607	BRACKET	1											
8A	5131749 @	BRACKET		1	1									
	5118896	SPACER (2.3530)		1	1									
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	1											
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		2	2									
	5136459	BOLT, 3/8"-16X4 1/4" SPL. HEX. HD.	1											
	103321	LOCKWASHER, 3/8" (12.9200)		2	2									
	123221	NUT, 3/8"-16 HEX. (12.9120)	2											
		@ NOT SERVICED; FOR SERVICE USE 5145166 AND INCLUDE (1) 5130928 EYE AND (2) 123221 NUT TO ASSURE INTERCHANGEABILITY.												
		2.9347 - SPRING, THROTTLE BOOSTER												
8A	5136606	SPRING (7.18"L.)	1											
8A	5125716 *	SPRING (7.18"L.)			1									
8A	5140451 @	SPRING (8.59"L.)			1									

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 717	722	729	734	735	736	738	739	741	747	750	764
		2.9347 - SPRING, THROTTLE BOOSTER (CONT'D)												
8A	**5134993**	SPRING (8.92"L.) * THRU 6VA-39050, 8VA-43334, 12VA-10999. @ EFFECTIVE WITH 6VA-39051, 8VA-43335, 12VA-11000.		1										
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING												
8A	**5134051**	EYE, 3/8"X4"L.		1	1									
	123221	NUT, 3/8"-16 HEX. (12.9120)		1	1									
		2.9349 - NUT, THROTTLE BOOSTER SUPPORT												
		A HANGER ASSY. INCLUDES ROLLER ASSY., STUD RETAINING RING AND (1) WASHER IN 2.9349.												
	5186749	NUT (5/8"L.) (SPRING HANGER)			1									
	5132944	HANGER ASSY.	1											
	5134696	HANGER ASSY.		1										
	5132389	ROLLER ASSY. (INCLUDES BUSHING)	1											
	5134694	ROLLER ASSY. (INCLUDES BUSHING)		1										
	274676	RING, RETAINING (1.4650)	1	1										
	5181264	BUSHING	1											
	5134692	BUSHING (2.10032)		1										
	5131981	STUD, ROLLER (5/16"-24X1.46")	1											
	5134695	STUD, ROLLER (5/16"-24X1.60")		1										
	5171045	BOLT (SHOULDERED)			1									
	106261	WASHER, 5/16"X3/4" (12.9190)	1	1										
	114493	NUT, 5/16"-24 HEX. (12.9120)	1	1										
		2.9355 - SOLENOID, THROTTLE CONTROL												
	1118191	* SOLENOID (24-32V.) (7.4519)		1								1		
	1119757	@ SOLENOID (12V.) (GOV. SHUTDOWN) (7.4519)									1	1		
	1118128	* SOLENOID (12V.) (7.4519)										1		
	117461	BOLT, 1/4"-20X9/16" (12.9001)									4			
	123450	BOLT, 1/4"-20X3/4" (12.9001)		4									4	
	120392	WASHER, 1/4" FLAT (12.9190)		4								4	4	
	120380	LOCKWASHER, 1/4" (12.9200)		4							4	4	4	
	120375	NUT, 1/4"-20 HEX. (12.9120)									4			
	121902	NUT, 1/4"-28 HEX. (12.9120) * PROCURE FROM AC DELCO. @ EFFECTIVE WITH 6VA-39051,		4								4	4	

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 717	722	729	734	735	736	738	739	741	747	750	764
		2.9355 - SOLENOID, THROTTLE CONTROL (CONT'D)												
		8VA-43335, 12VA-1100.												
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID												
	5137541	BRACKET		1							1			
	5112299	BRACKET									1			
	5136695	BRACKET (MOUNTING)											1	
	132268	SCREW, 1/4"-20X7/8" (12.9025)		3							3			
	120380	LOCKWASHER, 1/4" (12.9200)		3										
		2.9360 - SHAFT, THROTTLE CONTROL												
	5125886	SHAFT (23 3/16"L.)								1				
	5128161	SHAFT (28.10"L.)				1								
	5128160	SHAFT (39.60"L.)						1						
	5137676	SHAFT (40.50"L.)						1						
	5137582	SHAFT (48.50"L.)						1						
	5127598	ROD (6"L.)			1									
	5118951	JOINT, 5/16" BALL			2									
	5150238	WASHER (3.4001)				2		2						
	103320	LOCKWASHER, 5/16" (12.9200)			2									
	114493	NUT, 5/16"-24 HEX. (12.9120)			4									
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT												
	3222759	LEVER				1		1						
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)				1		1						
	120380	LOCKWASHER, 1/4" (12.9200)				1		1						
	121902	NUT, 1/4"-28 HEX. (12.9120)				1		1						
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING												
	5128848	SPRING				1		1						
		2.9410 - LEVER, GOVERNOR CONTROL												
8A	5123880	LEVER	1	1	1									
8A	5183802	LEVER (2.7170)		1										
8A	3249132	LEVER				1		1						
	3222759	LEVER (2.9300)				1		1						
	5109314	LEVER (OPERATING)					1			1				
	5113338	LEVER (OUTPUT SHAFT GOVERNOR)								1				
	5131189	LEVER									1	1		

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 717	722	729	734	735	736	738	739	741	747	750	764
		2.9410 - LEVER, GOVERNOR CONTROL (CONT'D)												
	5138525	LEVER											1	
	2394395	LEVER (2.7170)												1
	5109313	BRACKET (SPEED ADJUSTING LINK)					1			1				
	5109312	LINK, SPEED ADJUSTING					1			1				
	5138687	LINK (2.9400)										1	1	
	5100004	EYE, CONTROL LINK ADJUSTING ROD (2.9024)		1										
	5158149	SPACER, 13/64"I.D.X18"					2			2				
	457033	SCREW, #0-32X1 5/8" FIL. HD. (12.9025)					2			2				
	103361	PIN, 1/16"X1/2" COTTER (12.9250)					1			1	1			
	5147345	PIN, 1/4"X51/64" CLEVIS (12.9260)									1			
	5118491	JOINT, BALL				2		2						
	180021	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1					1	1	1	1	
	213546	BOLT, 1/4"-20X1" (12.9001)					1			1				1
	123435	BOLT, 1/4"-28X5/8" (12.9001)										1		
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)				2		2						
	181596	BOLT, 5/16"-24X7/8" (12.9001)		1										
	120392	WASHER, 1/4" FLAT (12.9190)									2	1	1	
	103319	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR		AR		AR	AR	AR	AR	AR
	120380	LOCKWASHER, 1/4" (12.9200)					AR			AR				
	120375	NUT, 1/4"-20 HEX. (12.9120)					1			1				
	120613	NUT, 1/4"-28 JAM. (12.9120)		1								3	1	
	121902	NUT, 1/4"-28 JAM. (12.9120)				6		6						
	114492	NUT, 1/4"-28 JAM. (12.9120)				1		1			2		2	
	219210	NUT, 1/4"-28 WING (12.9160)					2			2				
	114493	NUT, 5/16"-24 HEX. (12.9120)		1										
		2.9422 - WIRE, GOVERNOR CONTROL												
8A	5146240	WIRE ASSY. (46.84"L.)			1		1		1	1				
	5184255	PLATE, NAME (STOP)			1		1		1	1				
	103341	WASHER, 3/8" FLAT (12.9190)			1		1		1	1				
	103321	LOCKWASHER, 3/8" (12.9200)			1		1		1	1				
	117049	NUT, 3/8"-24 HEX. (12.9120)			1		1		1	1				
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL												
	5161464	PIN			1		1		1	1				
	142583	RETAINER, 13/64" (SPRING) (12.9640)			1		1		1	1				
	100659	SCREW, #10-32X3/8" FIL. HD. (12.9010)			1				1	1				
	5150941	WASHER (2.7310)			1				1	1				
		2.9428 - CLIP, GOVERNOR CONTROL WIRE												
	5127619	CLIP (UNDER GOVERNOR COVER BOLT)			1									
	5163442	CLIP (AT GOVERNOR COVER BOLT)					1		1	1				
	123298	BOLT, 1/4"-28X3/8" (12.9001)			1									

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 717	722	729	734	735	736	738	739	741	747	750	764
		2.9428 - CLIP, GOVERNOR CONTROL WIRE (CONT'D)												
	103319	LOCKWASHER, 1/4" (12.9200)			1									
	121902	NUT, 1/4"-28 HEX. (12.9120)			1									
		2.9860 - CYLINDER ASSY., THROTTLE CONTROL AIR												
	2425891 *	CYLINDER ASSY.												1
	132908	SCREW, #10-32X1 1/2" RD. HD. (12.9025)												2
	120217	LOCKWASHER, #10 (12.9200)												AR
		* SERVICED AS AN ASSY. ONLY, FOR COMPONENTS CONTACT A. SCHRADER'S SON, DIV. OF SCOVILL MFG. CO. INC., BROOKLYN, NEW YORK.												

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 765	768	769	774	775	780	786	795	797	815	832
		2.9100 - KNOB, THROTTLE CONTROL											
		A KNOB ASSY. INCLUDES KNOB IN 2.9100 AND ITEMS IN 2.9105, 2.9106, 2.9108, 2.9110, 2.9132, 2.9170 PLUS COUPLING AND PIN IN 2.9190.											
	5141066	KNOB								1			
	5140054 *	KNOB ASSY.								1			
		* INCLUDES ITEMS IN 2.9100, 2.9105, 2.9106, 2.9108 AND 2.9132.											
		2.9105 - WASHER, THROTTLE CONTROL TUBE BRAKE											
	5140255	WASHER								1			
		2.9106 - SHAFT, THROTTLE CONTROL KNOB											
	5140057	SHAFT (2.10")								1			
	5179178	RING, SEAL (2.7066)								1			
		2.9108 - SPRING, THROTTLE CONTROL SHAFT TENSION											
	5140058	SPRING								1			
		2.9132 - ADAPTOR, THROTTLE CONTROL KNOB											
	5140055	ADAPTOR								1			
	138561	LOCKWASHER, 3/4"								1			
	107827	NUT, LOCK (12.9130)								1			
		2.9160 - BUSHING, THROTTLE CONTROL SHAFT BRAC KET											
	3222765	BUSHING									2		
		2.9220 - BRACKET, GOVERNOR CONTROL SHAFT REAR											
		A BRACKET ASSY. INCLUDES BUSHING IN 2.9160.											
	5125894	BRACKET									1		1
	5144525	BRACKET (TO THROTTLE LEVER)											1
	5160629	SPACER (4.2270)									1		1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 765	768	769	774	775	780	786	795	797	815	832
		2.9220 - BRACKET, GOVERNOR CONTROL SHAFT REAR(CONT'D)											
	191758	FITTING, 1/8" LUBE (12.9540)											1
	181596	BOLT, 5/16"-24X7/8" (12.9001)											2
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)									1		1
	186317	BOLT, 3/8"-24X5" (12.9001)									1		1
	106261	WASHER, 5/16" FLAT (12.9190)											2
	103320	LOCKWASHER, 5/16" (12.9200)											2
	114493	NUT, 5/16"-24 (12.9120)											2
		2.9230 - BUSHING, GOVERNOR CONTROL SHAFT BRACKET											
	148403	BEARING (2.7270)									2		2
		2.9280 - ROD AND CLEVIS ASSY. THROTTLE CONTROL											
	5142118	ROD ASSY. (OUTPUT SHAFT GOVERNOR)						1					
	5125887	ROD									1		1
	5125892	ROD (OUTPUT SHAFT GOVERNOR)											1
	5123245	CLAMP, SWIVEL									1		1
	5118951	JOINT, 5/16"-24 (12.9680)									2		2
	103372	PIN, 3/32"X1/2" COTTER (12.9250)									1		1
	103495	PIN, 5/16" CLEVIS (12.9260)									1		1
	103320	LOCKWASHER, 5/16" (12.9200)									AR		AR
	114493	NUT, 5/16"-24 HEX. (12.9120)									5		5
		2.9310 - SHAFT, THROTTLE CONTROL CROSS											
	5125893	SHAFT									1		1
	103343	WASHER, 17/32" I.D. FLAT (12.9190)									2		2
		2.9340 - LEVER, THROTTLE CONTROL CROSS SHAFT											
	5164318	LEVER									1		1
	5154448	LEVER (2.7170)									1		1
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)									2		2
	5151249	SHIM (.078") (2.7600)				1		1			1		
	180021	BOLT, 1/4"-20X7/8" (12.9001)									2		2
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING											
8A	5131749 @	BRACKET			1		1		1			1	
	5118896	SPACER (2.3530)			1		1		1			1	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2		2		2			2	

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 765	768	769	774	775	780	786	795	797	815	832
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING (CONT'D)											
	103321	LOCKWASHER, 3/8" (12.9200)			2		2		2			2	
		@ NOT SERVICED; FOR SERVICE USE 5145166 AND INCLUDE (1) 5130928 EYE AND (2) 123221 NUTS TO ASSURE INTERCHANGEABILITY.											
		2.9347 - SPRING, THROTTLE BOOSTER											
8A	**5125716**	* SPRING (7.18"L.)			1		1		1				
8A	**5140451**	@ SPRING (8.59"L.)			1		1		1			1	
		* *THRU 6VA-39050, 8VA-43334, 12VA-10999.*											
		@ EFFECTIVE WITH 6VA-39051, 8VA-43335, 12VA-11000.											
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING											
8A	**5134051**	EYE, 3/8"X4" L.			1		1		1			1	
	123221	NUT, 3/8"-16 HEX. (12.9120)			2		2		2			2	
		2.9349 - NUT, THROTTLE BOOSTER SUPPORT											
		A HANGER ASSY. INCLUDES ROLLER ASSY., STUD RETAINING RING AND (1) WASHER IN 2.9349.											
	5186749	NUT (5/8"L.) (SPRING HANGER)			1		1		1			1	
	5171045	BOLT (SHOULDERED)			1		1		1			1	
		2.9355 - SOLENOID, THROTTLE CONTROL											
	1118191	* SOLENOID (24-32V.) (7.4519)			1	1							
	1118128	* SOLENOID (12V.) (7.4519)	1				1			1		1	
	1996097	* SWITCH (PUSH BUTTON) (7.4115)	1		1	1	1						
	123450	BOLT, 1/4"-20X3/4" (12.9001)	4		4	4	4			4			
	123298	BOLT, 1/4"-28X3/8" (12.9001)										4	
	120392	WASHER, 1/4" FLAT (12.9190)	4		4	4	4			4			
	120380	LOCKWASHER, 1/4" (12.9200)	4		4	4	4			4		4	
	121902	NUT, 1/4"-28 HEX. (12.9120)	4		4	4	4			4			
		* PROCURE FROM AC DELCO.											
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID											
	5137541	BRACKET			1		1						
	5136695	BRACKET (MOUNTING)	1			1				1			
	5142750	* BRACKET										1	

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 765	768	769	774	775	780	786	795	797	815	832
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID (CONT'D)											
	180021	BOLT, 1/4"-20X7/8" (12.9001)	3		3	3	3			3			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)										2	
	120380	LOCKWASHER, 1/4" (12.9200)	3		3	3	3			3			
		* NOT SERVICED; USE 5146873 BRKT. AND INCLUDE 1-5147091 LINK, 1-5136918 LEVER, 1-5126540 SPRING, 1-5147088 BRKT. AND 1-120392 WASHER.											
		2.9360 - SHAFT, THROTTLE CONTROL											
	5142749	* LINK										1	
	2090270	COUPLING (2.9430)										1	
	103361	PIN, 1/16"X1/2" COTTER (12.9250)										1	
	120392	WASHER, 1/4" FLAT (12.9190)										1	
	121902	NUT, 1/4"-28 HEX. (12.9120)										2	
		* NOT SERVICED; USE 5146873 BRKT. AND INCLUDE 1-5147091 LINK, 1-5136918 LEVER, 1-5126540 SPRING, 1-5147088 BRKT. AND 1-120392 WASHER.											
		2.9410 - LEVER, GOVERNOR CONTROL											
	5114034	LEVER (2.7170)											1
8A	5123880	LEVER			1		1					1	
8A	5183802	LEVER (2.7170)			1		1					1	
	5138525	LEVER	1			1				1			
	2394395	LEVER (2.7170)		1									
	5129917	LEVER							1				
	5138687	LINK (2.9400)	1			1				1			
	5100004	EYE, CONTROL LINK ADJUSTING ROD (2.9024)			1		1						
	180021	BOLT, 1/4"-20X7/8" (12.9001)	1		1	1	1		1	1		1	
	213546	BOLT, 1/4"-20X1" (12.9001)		1	1		1					1	1
	123435	BOLT, 1/4"-28X5/8" (12.9001)	1			1							
	181596	BOLT, 5/16"-24X7/8" (12.9001)			1		1						
	120392	WASHER, 1/4" FLAT (12.9190)	1			1				1			
	103319	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR		AR	AR		AR	
	120375	NUT, 1/4"-20 HEX. (12.9120)											1
	114492	NUT, 1/4"-28 JAM. (12.9120)								2			
	120613	NUT, 1/4"-28 JAM. (12.9120)	1		4		1			1			
	114493	NUT, 5/16"-24 HEX. (12.9120)			1		1						
		2.9422 - WIRE, GOVERNOR CONTROL											
8A	5146240	WIRE ASSY. (46.84"L.)									1		1
8A	5146238	WIRE ASSY. (50"L.)						1					
	5184255	PLATE, NAME (STOP)									1		1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 765	768	769	774	775	780	786	795	797	815	832
		2.9422 - WIRE, GOVERNOR CONTROL (CONT'D)											
	103341	WASHER, 3/8" FLAT (12.9190)									1		1
	103321	LOCKWASHER, 3/8" (12.9200)									1		1
	110730	LOCKWASHER, 3/8" (12.9200)						1					
	117049	NUT, 3/8"-24 HEX. (12.9120)									1		1
	124925	NUT, 3/8"-24 JAM. (12.9120)						1					
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL											
	5161464	PIN						1			1		1
	142583	RETAINER, 13/64" (SPRING) (12.9640)						1			1		1
	100659	SCREW, #10-32X3/8" FIL. HD. (12.9010)						1			1		1
	5150941	WASHER (2.7310)						1			1		1
		2.9428 - CLIP, GOVERNOR CONTROL WIRE											
	5163442	CLIP (AT GOVERNOR COVER BOLT)									1		
	3290569	CLIP (7.8320)						1					
	123298	BOLT, 1/4"-28X3/8" (12.9001)						1					
	103319	LOCKWASHER, 1/4" (12.9200)						1					
	121902	NUT, 1/4"-28 HEX. (12.9120)						1					
		2.9859 - VALVE, AIR CYLINDER CONTROL											
	2467737	VALVE ASSY. (2.9355)		1									
	2467738	VALVE, SOLENOID (2.9355)		1									
	5297567	PLUG ASSY. (2.9355)		1									
	5295630	CLAMP ASSY. (2.9355)		1									
		2.9860 - CYLINDER ASSY., THROTTLE CONTROL AIR											
	2425891 *	CYLINDER ASSY.		1									
	132908	SCREW, #10-32X1 1/2" RD. HD. (12.9025)		2									
	132915	SCREW, #10-32X3/4" RD. HD. (12.9025)		2									
	120217	LOCKWASHER, #10 (12.9200)		AR									
	120614	NUT, #10-32 HEX. (12.9120)		2									
		* SERVICED AS AN ASSY. ONLY, FOR COMPONENTS CONTACT A. SCHRADER'S SON, DIV. OF SCOVILL MFG. CO. INC., BROOKLYN, NEW YORK.											
		2.9875 - BRACKET, THROTTLE CONTROL AIR CYLINDER											
	2425567	BRACKET (2.9861)		1									
	132268	SCREW, 1/4"-20X7/8" FIL. HD. (12.9010)		2									

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8400	8500	8511	8588	8600	8878	8887	8888	8889	8900	8911	8922
		2.9220 - BRACKET, GOVERNOR CONTROL SHAFT REAR												
	5145894	BRACKET						1						
	5160629	SPACER (4.2270)						1						
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)						1						
	186317	BOLT, 3/8"-24X5" (12.9001)						1						
	103320	LOCKWASHER, 5/16" (12.9200)						1						
	114493	NUT, 5/16"-24 HEX. (12.9120)						1						
		2.9230 - BUSHING, GOVERNOR CONTROL SHAFT BRACKET												
	148403	BEARING (2.7270)						1						
		2.9280 - ROD AND CLEVIS ASSY., THROTTLE CONTROL												
	5125887	ROD						1						
	5125892	ROD (OUTPUT SHAFT GOVERNOR)						1						
	5123245	CLAMP, SWIVEL						1						
	5118951	JOINT, 5/16"-24 (12.9680)						1						
	103372	PIN, 3/32"X1/2" COTTER (12.9250)						1						
	103495	PIN, 5/16" CLEVIS (12.9260)						1						
	103320	LOCKWASHER, 5/16" (12.9200)						2						
	114493	NUT, 5/16"-24 HEX. (12.9120)						4						
		2.9310 - SHAFT, THROTTLE CONTROL CROSS												
	5125893	SHAFT						1						
		2.9340 - LEVER, THROTTLE CONTROL CROSS SHAFT												
	5164318	LEVER						1						
	5154448	LEVER						1						
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)						2						
	180021	BOLT, 1/4"-20X7/8" (12.9001)						2						
	120380	LOCKWASHER, 1/4" (12.9200)						2						
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING												
8A	5131749 *	BRACKET	1	1		1	1							
	5145166	BRACKET									1	1		
	5118896	SPACER (2.3530)	1	1		1	1				1	1		
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2		2	2				2	2		
	103321	LOCKWASHER, 3/8" (12.9200)	2	2		2	2				2	2		

* NOT SERVICED. FOR SERVICE USE

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 840	850	851	858	860	878	887	888	889	890	891	892
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING (CONT'D)												
		5145166 AND INCLUDE 1-5130928 EYE AND 2-123221 NUTS TO ASSURE INTERCHANGEABILITY.												
		2.9347 - SPRING, THROTTLE BOOSTER												
8A	**5140451**	SPRING (8.59"L.)	1	1		1	1				1	1		
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING												
8A	**5134051**	EYE (3/8"-16X4"L.)	1	1		1	1				1	1		
8A	**123221**	NUT, 3/8"-16 HEX. (12.9120)	2	2		2	2				2	2		
		2.9349 - NUT, THROTTLE BOOSTER SUPPORT												
	5186749	NUT (5/8"L.) (SPRING HANGER)	1	1		1					1	1		
	5171045	BOLT (5/16"-24X5/8") SHOULDER	1	1		1					1	1		
	5132944	HANGER ASSY.					1							
	106261	WASHER, 5/16" (12.9200)					1							
	114493	NUT, 5/16"-24 (12.9120)					1							
		2.9355 - SOLENOID, THROTTLE CONTROL												
	1118191	* SOLENOID (24V.-32V.) (7.4519)	1	1	1				1		1		1	
	1118128	* SOLENOID (12V.) (7.4519)						1		1		1		
	123298	BOLT, 1/4"-28X3/8" (12.9001)	4	4	4			4	4	4	4	4	4	
	120392	WASHER, 1/4" FLAT (12.9190)											4	
	120380	LOCKWASHER, 1/4" (12.9200)	4	4	4			4	4	4	4	4	4	
		* PROCURE FROM AC DELCO.												
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID												
	5142750	* BRACKET	1											
	5144826	@ BRACKET		1	1									
	5146873	BRACKET						1	1	1	1	1	1	
	5195500	SPACER, 13/32"X.380" THK. (12.4050)						2	2	2	2	2	2	
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2	2	2									
	455537	BOLT, 3/8"-16X4" (12.9001)						2	2	2	2	2	2	
	103341	WASHER, 3/8" FLAT (12.9190)		2	2									
		* NOT SERVICED: USE 5146873 BRACKET												
		& INC. 1-5147091 LINK, 1-5136918 LEVER, 1-5126540 SPRING, 1-5147088 BRACKET & 1-120392 WASHER.												

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8400	8500	8511	8588	8600	8788	8887	8888	8889	8890	8991	8992
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID (CONT'D)												
		@ NOT SERVICED; USE 5146873 BRACKET & INC. 2-455537 BOLTS, 2-5195500 SPACERS & THE FOLLOWING: LS GOVERNOR ONLY - 1-5147090 LINK, 1-5131189 LEVER, & 1-454813 BOLT. VS GOVERNOR ONLY - 1-5147089 LINK, 1-5136918 LEVER, 1-5126540 SPRING, 1-5147088 BRACKET & 1-120392 WASHER.												
		2.9360 - SHAFT, THROTTLE CONTROL												
	5144729	* LINK (SHUTDOWN)	1		1									
	5144730	@ LINK (SHUTDOWN)		1										
	5147090	LINK (SHUTDOWN)							1				1	1
	5147091	LINK (SHUTDOWN)								1	1	1		
	2090270	COUPLING (2.9430)	1	1	1				1	1				
	103361	PIN, 1/16"X1/2" COTTER (12.9250)	1	1	1				1	1	1	1	1	1
	120392	WASHER, 1/4" FLAT (12.9190)	1	1	1				1	1	1	1	1	1
	121912	NUT, 1/4"-28 HEX. L.H. (12.9120)	1	1	1				1	1				
	121902	NUT, 1/4"-28 HEX. (12.9120)	1	1	2									
		* NOT SERVICED; USE 5147090 LINK AND INCLUDE 1-5146873 BRACKET, 2-455537 BOLTS, 2-5195500 SPACERS, 1-5131189 LEVER, 1-454813 BOLT.												
		@ NOT SERVICED; USE 5147089 LINK AND INCLUDE 1-5146873 BRACKET, 2-455537 BOLTS, 2-5195500 SPACERS, 1-5136918 LEVER, 1-5126540 SPRING, 1-5147088 BRACKET AND 1-120392 WASHER.												
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING												
8A	**5146132**	SPRING (2.7910)				1								
8A	**5126540**	SPRING									1	1		
		2.9406 - BRACKET, GOVERNOR CONTROL RETRACTING SPRING												
	5147088	BRACKET									1	1		
	120392	WASHER, 1/4" FLAT (12.9190)									1	1		
		2.9410 - LEVER, GOVERNOR CONTROL												
8A	**5183802**	LEVER (2.7170)	1	1										
8A	**5123880**	LEVER	1	1		1	1				1	1		
8A	**5132988**	LEVER			1									

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 840	850	851	858	860	878	887	888	889	890	891	892
		2.9410 - LEVER, GOVERNOR CONTROL (CONT'D)												
	5109314	LEVER (OPERATING)						1						
	5113338	LEVER (OUTPUT SHAFT GOVERNOR)						1						
8A	5131189	LEVER							1	1			1	1
8A	5136918	LEVER									1	1		
	5109313	BRACKET						1						
	5109312	LINK, SPEED ADJUSTING						1						
	5158149	SPACER, 13/64"I.D.X18"						2						
	103361	PIN, 1/16"X1/2" COTTER (12.9250)						1						
	457033	SCREW, #0-32X1 5/8" FIL. HD. (12.9025)						2						
	180021	BOLT, 1/4"-20X7/8" (12.9001)	1	1		1	1	1						
	454813	BOLT, 1/4"-20X7/8" (12.9001)							1	1	1	1	1	1
	213546	BOLT, 1/4"-20X1" (12.9001)	1	1				1			1	1		
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)			1									
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	121902	NUT, 1/4"-28 HEX. (12.9120)			1									
	219210	NUT, 1/4"-28 WING (12.9160)						2						
	120375	NUT, 1/4"-20 HEX. (12.9120)						2						
		2.9422 - WIRE, GOVERNOR CONTROL												
8A	5146241	WIRE ASSY. (88"L.)					1							
8A	5146240	WIRE ASSY. (46.84"L.)						1						
	5184255	PLATE, NAME (STOP)					1	1						
	103341	WASHER, 3/8" FLAT (12.9190)					1	1						
	103321	LOCKWASHER, 3/8" (12.9200)					1	1						
	117049	NUT, 3/8"-24 HEX. (12.9120)					1	1						
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL												
	5161464	PIN					1	1						
	142583	RETAINER, 13/64" (SPRING) (12.9640)					1	1						
	100659	SCREW, #10-32X3/8" FIL. HD. (12.9010)					1	1						
	5150941	WASHER (2.7310)					1	1						
		2.9428 - CLIP, GOVERNOR CONTROL WIRE												
	5127619	CLIP (UNDER GOV. COVER BOLT)					1							
	5163442	CLIP (UNDER GOV. COVER BOLT)						1						
	123298	BOLT, 1/4"-28X3/8" (12.9001)					1	1						
	120380	LOCKWASHER, 1/4" (12.9200)					1	1						
	121902	NUT, 1/4"-28 HEX. (12.9120)					1	1						

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 840	850	851	858	860	878	887	888	889	890	891	892
		2.9430 - LINK, THROTTLE CONTROL EQUALIZING												
	2090270	COUPLING									1	1	1	1
	121912	NUT, 1/4"-28 (L.H.) (12.9120)									1	1	1	1
	121902	NUT, 1/4"-28 (R.H.) (12.9120)									1	1	1	1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 893	894	915	928	937	950	981	1093	1094	1095	1096	1097	1098	1099
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING														
8E	5145166	BRACKET	1	1	1	1		1	1	1	1	1	1	1	1	1
	5118896	SPACER (2.3530)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2	2		2	2	2	2	2	2	2	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2											
	8921932	BOLT, 3/8"-16X1.25" W/SEAL PATCH (12.9001)						2								
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2		2	2	2	2	2	2	2	2	2
		2.9347 - SPRING, THROTTLE BOOSTER														
8A,E	5140451	SPRING (8.59"L.)	1	1	1	1	1	1	1		1	1	1	1	1	1
	5134993	SPRING (8.92"L.)								1						
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING														
8A,E	5134051	EYE (3/8"-16X4"L.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8A,E	123221	NUT, 3/8"-16 (12.9120)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		2.9349 - HANGER, THROTTLE BOOSTER SPRING														
		A HANGER ASSY. INCLUDES ROLLER ASSY., STUD, RETAINING RING, AND (1) WASHER IN 2.9349.														
	5134696	HANGER ASSY.								1						
	5186749	HANGER						1								
	5134694	ROLLER ASSY. (INCLUDES BUSHING)								1						
	274676	RING, RETAINING (1.4650)								1						
	5134692	BUSHING								1						
	5134695	STUD, ROLLER (5/16"-24X1.60")								1	1	1				
	5186749	NUT (5/8"L.) (SPRING HANGER)	1	1	1	1	1				1	1	1	1	1	1
	5171045	BOLT (5/16"-24X5/8") SHOULDER	1	1	1	1	1	1			1	1	1	1	1	1
	106261	WASHER, 5/16" (12.9190)								1						
	114493	NUT, 5/16"-24 (2.7170)								1						
		2.9355 - SOLENOID, THROTTLE CONTROL														
	1118191	* SOLENOID (24V.-32V.) (7.4519)		1	1	1	1		1	1	1			1	1	1
	1118128	* SOLENOID (12V.) (7.4519)	1					1				1	1			
	1996097	* SWITCH (PUSH BUTTON) (7.4115)			1	1	1	1						4		1
	181309	BOLT, 1/4"-28X1/2" (12.9001)												4		
	100001	BOLT, 1/4"-28X3/4" (12.9001)	4	4	4			4		4	4	4	4	4	4	4
	123435	BOLT, 1/4"-28X5/8" (12.9001)				4	4		4							
	120392	WASHER, 1/4" (12.9190)			4	4	4	4	4	4	4	4	4	4	4	4
	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	121902	NUT, 1/4"-28 (12.9120)			4			4		4	4	4				4

* PROCURE FROM AC DELCO.

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 893	894	915	928	937	950	981	1093	1094	1095	1096	1097	1098	1099
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID														
	5146873	BRACKET	1	1		1	1		1				1	1	1	
	5136695	BRACKET														1
	5101009	BRACKET			1			1								1
	5103538	BRACKET								1	1	1				
	5195500	SPACER, 13/32"X.380" THK. (12.4050)	2	2		2	2		2				2	2	2	
	132268	SCREW, 1/4"-20X7/8" (12.9010)			2					3	3	3				2
	180021	BOLT, 1/4"-20X7/8" (12.9001)						2								
	445566	BOLT, 1/4"-20X1 1/8" (12.9001)						1								
	455537	BOLT, 3/8"-16X4" (12.9001)	2	2		2	2		2				2	2	2	
	103319	LOCKWASHER, 1/4" (12.9200)			3			3		3	3	3				3
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR														
	5147091	LINK (SHUTDOWN)	1	1		1	1		1				1	1	1	
	103361	PIN, 1/16"X1/2" COTTER (12.9250)	1	1		1	1		1				1	1	1	
	120392	WASHER, 1/4" (12.9190)	1	1		1	1		1				1	1	1	
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING														
8A	5126540	SPRING	1	1		1	1		1				1	1	1	
		2.9406 - BRACKET, GOVERNOR CONTROL RETRACTING SPRING														
	5147088	BRACKET	1	1		1	1		1				1	1	1	
	120392	WASHER, 1/4" (12.9190)	1	1		1	1		1				1	1	1	
		2.9410 - LEVER, GOVERNOR CONTROL														
8A	5183802	LEVER (2.7170)			1											
8A,E	5123880	LEVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5102707	LEVER (2.8975)					1		1				1	1	1	
8A	5136918	LEVER	1	1		1										
	5102706	LEVER						1		1	1	1				1
	5100004	EYE, CONTROL LINK ADJUSTING ROD			1			1		1	1	1				1
	454813	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1	1	1			1	1	1	1	1	1	1
	179796	BOLT, 1/4"-20X7/8" (12.9001)						1	1							
	213546	BOLT, 1/4"-20X1" (12.9001)	1	1	1						1	1		1	1	1
	186647	BOLT, 1/4"-20X1" (12.9001)				1	1	1	1							
	123435	BOLT, 1/4"-28X5/8" (12.9001)														
	5171045	BOLT, 5/16"-24X5/8" (12.9349)							1							
	181596	BOLT, 5/16"-24X7/8" (12.9001)			1			1		1	1	1				1
	103319	LOCKWASHER, 1/4" (12.9200)	2	2	2	2	2	2	2	1	2	2	1	2	2	2
	120613	NUT, 1/4"-28 JAM (12.9120)			1			1		1	1	1				1
	5186749	NUT, 5/8" L. (2.9349)							1							

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 893	894	915	928	937	950	981	1093	1094	1095	1096	1097	1098	1099
		2.9410 - LEVER, GOVERNOR CONTROL (CONT'D)														
	114493	NUT, 5/16"-24 (12.9120)			1			1		1	1	1				1
		2.9430 - LINK, THROTTLE CONTROL EQUALIZING														
	2090270	COUPLING	1	1		1	1		1				1	1	1	
	121912	NUT, 1/4"-28 (L.H.) (12.9120)	1	1		1	1		1				1	1	1	
	121902	NUT, 1/4"-28 (R.H.) (12.9120)	1	1		1	1		1				1	1	1	

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1100	1101	1102	1106	1129
		2.9355 - SOLENOID, THROTTLE CONTROL					
	1118191	* SOLENOID (24V-32V.) (7.4519)	1		1	1	
	1118128	* SOLENOID (12V.) (7.4519)		1			1
	1996097	* SWITCH (PUSH BUTTON) (7.4115)		1		1	
	123298	BOLT, 1/4"-28X3/8" (12.9001)			4		
	8925519	BOLT, 1/4"-28X5/8" (12.9001)					1
	100001	BOLT, 1/4"-28 X 3/4" (12.9001)	4	4		4	4
	120392	WASHER, 1/4" (12.9190)	4	4	4	4	4
	103319	LOCKWASHER, 1/4" (12.9200)		4	4	4	4
	121902	NUT, 1/4"-28 (12.9120)	4			4	4
	114492	NUT, 1/4"-28 (12.9120)					2
		* PROCURE FROM AC DELCO.					
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID					
	5146873	BRACKET			1		
	5136695	BRACKET	1			1	1
	5195500	SPACER, 13/32"X.380" THK. (12.4050)			2		
	180021	BOLT, 1/4"-20X7/8" (12.9001)	3			3	3
	455537	BOLT, 3/8"-16X4" (12.9001)			2		
	103319	LOCKWASHER, 1/4" (12.9200)	3			3	3
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR					
	5147090	LINK, SHUTDOWN			1		
	103361	PIN, 1/16"X1/2" COTTER (12.9250)			1		
	120392	WASHER, 1/4" (12.9190)			1		
		2.9410 - LEVER, GOVERNOR CONTROL					
	5102710	LEVER		1	1		1
	5102709	LEVER	1		1		
	5138687	LINK (2.9400)	1	1		1	1
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1	1	1
	123435	BOLT, 1/4"-28X5/8" (12.9001)	1			1	
	120392	WASHER, 1/4" (12.9190)	1	1		1	1
	103319	LOCKWASHER, 1/4" (12.9200)	2	1	1	2	1
	120613	NUT, 1/4"-28 JAM (12.9120)	3	3		3	1
		2.9430 - LINK, THROTTLE CONTROL EQUALIZING					
	2090270	COUPLING			1		
	121912	NUT, 1/4"-28 (L.H.) (12.9120)			1		
	121902	NUT, 1/4"-28 (R.H.) (12.9120)			1		

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.9133 - CONTROL ASSY., VERNIER THROTTLE														
	3292337	CONTROL ASSY.	1													
	5129008	CONTROL ASSY.		1												
	5183062	CONTROL ASSY.			1											
		2.9110 - BUSHING, THROTTLE KNOB SHAFT														
8C	**3222765**	BUSHING (2.8925)		2	2											
		2.9132 - ADAPTOR, THROTTLE CONTROL KNOB														
8C	**5182816**	ADAPTOR ASSY. (INCLUDES BUSHING IN 2.9110)		1	1											
		2.9135 - KNOB, VERNIER THROTTLE CONTROL														
8B	**3224408**	KNOB	1	1	1											
		2.9136 - HOUSING, VERNIER THROTTLE CONTROL														
		A HOUSING ASSY. INCLUDES HOUSING IN 2.9136 AND ITEMS IN 2.9138.														
8B	**3291981**	HOUSING ASSY.	1	1	1											
8B	**3291980**	HOUSING	1	1	1											
		2.9138 - SPRING, VERNIER THROTTLE CONTROL LOCK														
8B	**3291979**	SPRING	1	1	1											
8B	**112871**	SCREW, #6-32X5/16" RD. HD. SL. (12.9025)	2	2	2											
		2.9139 - WORM, VERNIER THROTTLE CONTROL														
8B	**3224425**	WORM	1	1	1											
		2.9140 - SHAFT, VERNIER THROTTLE CONTROL														
8B	**3224405**	SHAFT (5 7/16" L.)	1													
8B	**5183053**	SHAFT (3 3/4" L.)		1	1											

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.9141 - GEAR, VERNIER THROTTLE CONTROL WORM														
8B	**3224410**	GEAR	1	1	1											
8B	**106958**	KEY, 1/16"X1/2" WOODRUFF (12.9350)	1	1	1											
		2.9142 - BUSHING, VERNIER THROTTLE CONTROL WORM														
8B	**3224409**	BUSHING	1	1	1											
8B	**106498**	LOCKWASHER, #12 (12.9200)	1	1	1											
8B	**103089**	NUT, #12-24 HEX. (12.9120)	1	1	1											
		2.9145 - BUTTON, VERNIER THROTTLE CONTROL LOCK														
8B	**3224407**	BUTTON	1	1	1											
		2.9146 - PIN, VERNIER THROTTLE CONTROL LOCK BUTTON														
8B	**3224406**	PIN	1	1	1											
		2.9147 - SPRING, VERNIER THROTTLE CONTROL LOCK BUTTON PIN														
8B	**3224413**	SPRING	1	1	1											
		2.9149 - COVER, VERNIER THROTTLE CONTROL														
8B	**3292336**	COVER	1	1	1											
		2.9170 - PLATE, THROTTLE CONTROL INDICATOR														
8C	**5126905**	PLATE		1												
		2.9190 - COUPLING, THROTTLE CONTROL SHAFT														
8C	**5177462**	COUPLING		1												
8C	**142488**	PIN, 1/8"X1" GROOVE (12.9270)		1												
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE														

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2.9000A THROTTLE CONTROLS (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6001	6521	6691	6961	7211	7521	7621	7777
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING (TWIN AND QUAD)								
8A	5131749	# BRACKET	2		2	2			2	
8A	5122351	+ BRACKET	2							
	5118896	SPACER (2.3530)	2		2	2			2	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	4		4	4			4	
	103321	LOCKWASHER, 3/8" (12.9200)	4		4	4			4	
		# EFFECTIVE WITH 24VA-010. NOT SERVICED; FOR SERVICE USE 5145166 AND INCLUDE (1) 5134051 EYE AND (2) 123221 NUTS.								
		+ NOT SERVICED; USE 5145166 AND INCLUDE (1) 5134051 EYE AND (2) 123221 NUTS.								
		2.9347 - SPRING, THROTTLE BOOSTER (TWIN AND QUAD)								
8A	5125716	* SPRING	2		2		2			
8A	5134993	SPRING			2				2	
8A	5140451	@ SPRING	2		2		2			
		* THRU 6VA-39050, 8VA-43334, 12VA-10999.								
		@ EFFECTIVE WITH 6VA-39051, 8VA-43335, 12VA-11000.								
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING (TWIN AND QUAD)								
8A	5173036	EYE (1/4"X5 3/4" L.)	2							
8A	5130928	* EYE (3/8"X5 3/4" L.)	2			2				
8A	5134051	@ EYE (3/8"X4" L.)	2		2	2			2	
8A	120375	NUT, 1/4"-20 HEX. (12.9120)	4							
8A	123221	NUT, 3/8"-16 HEX. (12.9120)	2		4	4			4	
		* THRU 6VA-39050, 8VA-43334, 12VA-10999.								
		@ EFFECTIVE WITH 6VA-39051, 8VA-43335, 12VA-11000.								
		2.9349 - NUT, THROTTLE BOOSTER SUPPORT (TWIN AND QUAD)								
	5171429	NUT (SPRING HANGER)	2			2		2		
	5171045	BOLT	2			2		2		
	5134696	HANGER ASSY.			2				2	
	106261	WASHER, 5/16" FLAT (12.9190)			2				2	
	114493	NUT, 5/16"-24 HEX. (12.9120)			2				2	
		2.9410 - LEVER, GOVERNOR CONTROL (TWIN AND QUAD)								
8A	5123880	LEVER	2		2	2			2	
8A	5164318	LEVER				2	2	2		
	180021	BOLT, 1/4"-20X7/8" (12.9001)	2		2	2	2	2	2	
	120380	LOCKWASHER, 1/4" (12.9200)	2		2	2	2	2	2	

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2.9000A THROTTLE CONTROLS (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6001	6652	6991	6961	7291	7752	7621	7777
		2.9570 - BRACKET, THROTTLE CONTROL LEVER (TWIN AND QUAD)								
	5129259	BRACKET	1	1	1	1	1	1	1	1
9A	5177595	# HOUSING (THROTTLE AND CONTROL VALVE LEVER)	1	1	1	1	1	1	1	1
9A	5187791	# BUSHING (5/8" I.D.X1/2", CHAMFERED ENDS)	1	1	1	1	1	1	1	1
9A	5177357	# BUSHING (5/8" I.D.X1/2") (2.9641)	1	1	1	1	1	1	1	1
	5160115	# SPACER (5/16" I.D.X1/4" L.) (2.9643)	1	1	1	1	1	1	1	1
	446200	# WASHER, 5/16" FLAT (12.9190)	1	1	1	1	1	1	1	1
	189691	# BOLT, 5/16"-18X3/4" (12.9001)	1	1	1	1	1	1	1	1
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)	4	4	4	4	4	4	4	4
	103320	# LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1	1	1	1
	103323	LOCKWASHER, 1/2" (12.9200)	4	4	4	4	4	4	4	4
	123437	# NUT, 5/16"-18 HEX. (12.9120)	1	1	1	1	1	1	1	1
		# PART OF 5128369 CONTROL ASSY. IN 2.9634.								
		2.9590 - SHAFT, THROTTLE CONTROL LEVER BRACKET (TWIN AND QUAD)								
9A	5187766	# SHAFT (7 1/4" L.)	1	1	1	1	1	1	1	1
9A	191758	# FITTING, 1/8" LUBE (12.9540)	1	1	1	1	1	1	1	1
		# PART OF 5128369 CONTROL ASSY. IN 2.9634.								
		2.9625 - CONTROL, MASTER THROTTLE AND REVERSE GEAR OPERATING (TWIN AND QUAD)								
	5128595	* CONTROL ASSY. (MORSE INSTRUMENT)	1	1	1	1	1	1	1	1
		# H-32812								
		* CONTROL ASSY. IS FURNISHED BY DDAD AS A COMPLETE ASSEMBLY ONLY. SERVICE ON COMPONENT PARTS IS HANDLED BY THE MORSE INSTRUMENT CO., HUDSON, OHIO (FURNISH THEIR ASSY. NUMBER WHEN ORDERING PARTS.)								

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2.9000A THROTTLE CONTROLS (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 601	652	691	696	721	752	762	777
	2.9634	**- CONTROL ASSY., MASTER THROTTLE AND REVERSE GEAR (TWIN AND QUAD)**								
		A CONTROL ASSY. INCLUDES ITEMS IN 2.9570, 2.9590, 2.9635 MARKED # ALSO ITEMS IN 2.9641 THRU 2.9655.								
	5128369	CONTROL ASSY.	1	1	1	1	1	1	1	1
9A	181361	BOLT, 3/8"-24X7/8" (12.9001)	4	4	4	4	4	4	4	4
9A	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4
	2.9635	**- LEVER, THROTTLE CONTROL (MASTER) (TWIN AND QUAD)**								
		A LEVER ASSY. INCLUDES ITEMS IN 2.9641 THRU 2.9645.								
9A	5187793	# LEVER ASSY. (LC ENGINE)	1	1	1	1	1	1	1	1
9A	5177597	# LEVER ASSY. (RC ENGINE)	1	1	1	1	1	1	1	1
	5179807	+ LEVER (THROTTLE CONTROL LEVER BRACKET SHAFT TO CONTROL ASSY.) (8.3708)	1	1	1	1	1	1	1	1
	5112622	* CLEVIS, 3/8"	1	1	1	1	1	1	1	1
	104038	CLEVIS, 3/8"-24 ROD END (12.9620)	1	1	1	1	1	1	1	1
	5127604	SPRING (2.9022)	1	1	1	1	1	1	1	1
	5112623	BOLT (3/8"-24X2")	1	1	1	1	1	1	1	1
	103496	PIN, 3/8" CLEVIS (12.9260)	2	2	2	2	2	2	2	2
	107762	PIN, 3/32"X5/8" COTTER (12.9250)	2	2	2	2	2	2	2	2
	142484	# PIN, 1/8"X1/2" GROOVE (12.9270)	1	1	1	1	1	1	1	1
9A	5176267	# LOCK, LEVER (12.4090)	1	1	1	1	1	1	1	1
9A	5160115	# SPACER, 5/16" I.D.X1/4" (2.9643)	1	1	1	1	1	1	1	1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)	1	1	1	1	1	1	1	1
9A	446200	# WASHER, 3/8" FLAT (12.9190)	1	1	1	1	1	1	1	1
	103320	*LOCKWASHER, 5/16" (12.9200)*	1	1	1	1	1	1	1	1
9A	131485	# NUT, 5/16"-24 (LOW CROWN) (12.9120)	1	1	1	1	1	1	1	1
		# PART OF 5128369 CONTROL ASSY. IN 2.9634.								
		* NOT SERVICED; USE 104038 AND INCLUDE SD65 DRAWING.								
		+ OBSOLETE.								
	2.9637	**- ROD, CONTROL ASSY. TO OPERATING CONTROL (TWIN AND QUAD)**								
		(MASTER THROTTLE AND REVERSE GEAR)								
	5183041	ROD (RH THREAD)	1	1	1	1	1	1	1	1
	116535	CLEVIS, 5/16" ROD (12.9620)	2	2	2	2	2	2	2	2
	103495	PIN, 5/16" CLEVIS (12.9260)	2	2	2	2	2	2	2	2
	107762	*PIN, 3/32"X5/8" COTTER (12.9250)*	2	2	2	2	2	2	2	2
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	2	2	2	2	2	2	2
	2.9641	**- BUSHING, THROTTLE CONTROL LEVER (TWIN AND QUAD)**								
9A	5177357	BUSHING (5/8" I.D.X1/2")	4	4	4	4	4	4	4	4

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2.9000A THROTTLE CONTROLS (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 601	652	691	696	721	752	762	777
		2.9637 - ROD, CONTROL ASSY. TO OPERATING CONTROL (TWIN AND QUAD) (CONT'D)								
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	2	2	2	2	2	2	2
		2.9641 - BUSHING, THROTTLE CONTROL LEVER (TWIN AND QUAD)								
9A	5177357	BUSHING (5/8" I.D.X1/2")	4	4	4	4	4	4	4	4

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2.9000A THROTTLE CONTROLS (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 601	652	691	696	721	752	762	777
		2.9642 - KNOB AND PIN ASSY., THROTTLE CONTROL LEVER (TWIN AND QUAD)								
9A	5177358	HANDLE AND PIN ASSY.	2	2	2	2	2	2	2	2
		2.9643 - COLLAR, THROTTLE CONTROL LEVER (TWIN AND QUAD)								
9A	5177362	SPACER, 3/8" I.D.X1/4"	2	2	2	2	2	2	2	2
9A	142486	PIN, 1/8"X3/4" GROOVE (12.9270)	2	2	2	2	2	2	2	2
		2.9645 - SPRING, THROTTLE CONTROL LEVER (TWIN AND QUAD)								
9A	5110199	SPRING (2 3/4" L.)	2	2	2	2	2	2	2	2
	142488	PIN, 1/8"-1" GROOVE (12.9270)	2	2	2	2	2	2	2	2
		2.9655 - QUADRANT, THROTTLE CONTROL LEVER (TWIN AND QUAD)								
9A	5177603	QUADRANT	2	2		2	2	2	2	2
	5177606	SHIM	AR	AR		AR	AR	AR	AR	AR
		2.9675 - BRACKET, THROTTLE CONTROL CROSS SHAFT (TWIN AND QUAD)								
		A BRACKET ASSY. INCLUDES BUSHING IN 2.9677.								
	5129258	BRACKET ASSY.	4	4	4	4	4	4	4	4
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)	8	8	8	8	8	8	8	8
	103322	LOCKWASHER, 7/16" (12.9200)	8	8	8	8	8	8	8	8
		2.9677 - BUSHING, THROTTLE CONTROL CROSS SHAFT BRACKET (TWIN AND QUAD)								
	5198072	BUSHING (2.7270)	4	4	4	4	4	4	4	4
		2.9680 - SHAFT, THROTTLE CONTROL CROSS (TWIN AND QUAD)								
	5131193	SHAFT	2	2	2	2	2	2	2	2
	453676	PIN, 3/8" DOWEL (12.9290)	4	4	4	4	4	4	4	4
	103343	WASHER, 1/2" FLAT (12.9190)	4	4	4	4	4	4	4	4
		2.9685 - LEVER, THROTTLE CONTROL CROSS SHAFT (TWIN AND QUAD)								
	5158432	LEVER	4	4	4			4		
	5151519	LEVER				4	4		4	2
	5129267	LEVER								2

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2.9000A THROTTLE CONTROLS (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6001	6521	6916	6916	7211	7522	7622	7777
		2.9685 - LEVER, THROTTLE CONTROL CROSS SHAFT (TWIN AND QUAD) (CONT'D)								
	5139904	* SPACER, 5/8"X21/64"X2.50" (2.9730)								2
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	4	4	4	4	4	4	4	4
	179796	BOLT, 1/4"-20X7/8" (12.9001)	4	4	4	4	4	4	4	4
	186272	BOLT, 5/16"-18X4" (12.9001)								2
	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4	4
	120376	NUT, 5/16"-18 HEX. (12.9120)								2
		* OBSOLETE.								
		2.9700 - SUPPORT, THROTTLE CONTROL BELL CRANK (TWIN AND QUAD)								
	5131101	+ SUPPORT		2						
		+ OBSOLETE.								
		2.9710 - BELL CRANK, THROTTLE CONTROL (TWIN AND QUAD)								
		A BELL CRANK ASSY. INCLUDES ITEMS IN 2.9700 AND 2.9710.								
	5132100	+ BELL CRANK ASSY.		2						
	5131102	+ BELL CRANK (INCLUDES BUSHING)		2						
	5132102	BUSHING		2						
	5117082	WASHER (SPACER) (3.4103)		2						
	9418564	RING, RETAINING		2						
	271283	FITTING, 1/8" LUBE (45 DEG.) (12.9540)		2						
	5187988	* BOLT (3/8"-16X7/8")		4						
	103341	* WASHER, 3/8" FLAT (12.9190)		4						
		* NOT PART OF BELL CRANK ASSY.								
		+ OBSOLETE.								
		2.9720 - ROD, THROTTLE CONTROL LEVER TO BELL CRANK (TWIN AND QUAD)								
	5125986	ROD (DEV. L. 5 1/2")		2						
	5123888	JOINT, 5/16"-24 L.H. BALL (2.9280)		2						
	5118951	JOINT, 5/16"-24 BALL (12.9680)		2						
	120380	LOCKWASHER, 1/4" (12.9200)		6						
	114493	NUT, 5/16"-24 HEX. (12.9120)		6						
	121928	NUT, 5/16"-24 L.H. (12.9120)		2						
		2.9730 - ROD, THROTTLE CONTROL LEVER TO GOVERNOR (TWIN AND QUAD)								
	5129266	* ROD (DEV. L. 17 7/16") (RC ENGINE)	1	1	1	1	1	1	1	1
	5129272	ROD (DEV. L. 18.60") (LC ENGINE)	1	1	1	1	1	1	1	1
	5134886	ROD (DEV. L. 19.08")			2					
	5139905	ROD (DEV. L. 19.12")							2	

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2.9000A THROTTLE CONTROLS (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 601	652	691	696	721	752	762	777
		2.9730 - ROD, THROTTLE CONTROL LEVER TO GOVERNOR (TWIN AND QUAD)								
	5129266	* ROD (DEV. L. 17 7/16") (RC ENGINE)	1	1	1	1	1	1	1	1
	5129272	ROD (DEV. L. 18.60") (LC ENGINE)	1	1	1	1	1	1	1	1
	5134886	ROD (DEV. L. 19.08")			2					
	5139905	ROD (DEV. L. 19.12")							2	

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2.9000A THROTTLE CONTROLS (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6001	6521	6911	6961	7211	7522	7621	7777
		2.9730 - ROD, THROTTLE CONTROL LEVER TO GOVERNOR (TWIN AND QUAD) (CONT'D)								
	5131191	ROD (DEV. L. 24.16")		2						
	5139906	ROD (DEV. L. 26.20")								2
	5135419	ROD (DEV. L. 26.30")					2			
	5129270	ROD (DEV. L. 30.58")	2			2				
	5129271	ROD (DEV. L. 37.66")						2		
	5178006	TURNBUCKLE	2		2	2			2	
	5114848	BEARING, ROD END (L.H. THREAD)	2		2	2				
	5120472	BEARING, ROD END (SPHERICAL)					4			4
	5118695	BEARING, ROD END (R.H. THREAD)						2	2	
	5177402	CLEVIS	6	4	6	6	4	6	6	4
	5114886	* SPACER	4		4	4				
	5113488	SPACER						2		
	5189696	* SPACER						2		
	103495	PIN, 5/16" CLEVIS (12.9260)	6	4	6	6	4	6	6	4
	107762	PIN, 3/32"X5/8" COTTER (12.9250)	6	4	6	6	4	6	6	4
	5118951	JOINT, 5/16"-24 R.H. BALL (12.9280)		4						
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)	2		2	2			2	2
	217220	BOLT, 5/16"-24X3 3/4" (12.9001)						2		
	2160799	WASHER, SPRING (2.9730)			8	8				8
	120380	LOCKWASHER, 1/4" (12.9200)		4						
	103320	LOCKWASHER, 5/16" (12.9200)	2		2	2		2	4	4
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	8	2	2	4	2	4	6
	117049	NUT, 3/8"-24 HEX. (12.9120)	8	4	8	8	4	8	8	4
	126189	NUT, 3/8"-24 HEX. (L.H. THREAD) (12.9120)	2		2	2			2	

* OBSOLETE.

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GROUP NOMENCLATURE

1.0000	ENGINE (loss major assemblies)
1.1000	Cylinder Block
1.1000A	Air Box Drains
1.2000	Cylinder Head
1.2000A	Engine Lifter Bracket
1.3000	Crankshaft, Oil Seals and Stabilizers
1.3000A	Crankshaft Front Cover
1.3000B	Vibration Damper
1.3000C	Crankshaft Pulley
1.3000D	Crankshaft Pulley Belt
1.4000A	Flywheel
1.5000A	Flywheel Housing
1.5000B	Flywheel Housing Adaptor
1.6000	Connecting Rod and Piston
1.7000	Camshaft and Gear Train
1.7000A	Balance Weight Cover
1.7000B	Accessory Drive
1.8000	Valve Injector Operating Mechanism
1.8000A	Rocker Cover
2.0000	FUEL SYSTEM
2.1000A	Fuel Injector
2.1000B	Electronic Injector Controls
2.2000	Fuel Pump
2.2000A	Fuel Pump Drain
2.3000A	Fuel Filter and Strainer
2.3000A	Fuel Filter and Strainer (Twin and Quad)
2.4000	Fuel Manifold and/or Connections
2.4000A	Dual Fuel System
2.5000A	Fuel Lines and Fuel Cooler
2.5000A	Fuel Lines and Fuel Cooler (Twin and Quad)
2.6000A	Fuel Tank
2.6000B	Electric Governor
2.7000A	Mechanical Governor
2.8000A	Hydraulic Governor
2.9000	Injector Controls
2.9000	Injector Controls (Twin and Quad)
2.9000A	Throttle Controls
2.9000A	Throttle Controls (Twin and Quad)
3.0000	**AIR SYSTEM**
3.1000A	**Air Cleaner and/or Adaptor**
3.2000A	**Air Silencer**
3.3000A	**Air Inlet Housing**
3.3000C	**Air Intake Manifold**
3.4000	**Blower and Drive**
3.4000A	**Blower Drive Shaft**
3.4000B	**Blcer End Plate Cover**
3.5000A	**Turbocharger, Intercooler, and Aftercooler**
4.0000	LUBRICATING SYSTEM
4.1000A	Oil Pump
4.1000B	Oil Distribution System
4.1000C	Oil Pressure Regulator
4.2000A	Oil Filter
4.3000A	Oil Filter Lines
4.4000A	Oil Cooler and Marine Gear Lines
4.5000A	Oil Filler
4.6000A	Dipstick
4.7000A	Oil Pan
4.8000A	Ventilating System
5.0000	COOLING SYSTEM
5.1000	Fresh Water Pump
5.1000A	Fresh Water Pump Cover
5.2000A	Water Outlet Manifold and/or Elbow
5.2000B	Thermostat
5.2000C	Water Bypass Tube
5.3000A	Radiator
5.0000	COOLING SYSTEM (CONT'D)
5.3000B	Water Connections
5.4000A	Fan
5.4000B	Fan Shroud
5.5000A	Heat Exchanger or Keel Cooling
5.6000A	Raw Water Pump
5.7000A	Water Filter
6.0000	EXHAUST SYSTEM
6.1000A	Exhaust Manifold and/or Connections
6.2000A	Exhaust Muffler and/or Connections
7.0000	ELECTRICAL INSTRUMENTS
7.1000A	Battery Charging Generator
7.2000A	Battery Cables
7.2000B	Automatic Starting
7.2000B	Automatic Starting (Twin and Quad)
7.3000A	Starting Motor
7.4000A	Instruments
7.4000A	Instruments (Twin and Quad)
7.4000B	Tachometer Drive
7.4000B	Tachometer Drive (Twin and Quad)
7.4000C	Shutoff, Alarm and O.S. Governor
7.4000C	Shutoff, Alarm and O.S. Governor (Twin and Quad)
7.5000A	Power Generator
7.6000A	Control Cabinet
7.6000A	Control Cabinet (Twin and Quad)
7.7000A	Wiring Harness
7.8000A	Air Heater
7.8000A	Air Heater (Twin and Quad)
7.10000A	Hydraulic Governor Solenoid
8.0000	POWER TAKE-OFF
8.1000A	Power Take-off and/or Clutch
8.1000A	Power Take-off and/or Clutch (Twin and Quad)
8.3000A	Torque Converter
8.3000A	Torque Converter (Twin and Quad)
8.3000B	Transmission Lines
9.0000	TRANSMISSION AND PROPULSION
9.1000A	Hydraulic Marine Gear
9.1000A	Hydraulic Marine Gear (Twin and Quad)
9.2000A	Reverse and Reduction Gear (mechanical)
9.3000A	Power Transfer Gear
9.3000A	Power Transfer Gear (Twin and Quad)
9.4000	Transmission – Highway
9.7000	Transmission – Off-highway
9.9000	Transmission – Rail Car
10.0000	SHEET METAL
10.1000A	Engine Hood
11.0000	ENGINE MOUNTING
11.1000A	Engine Mounting and Base
11.1000A	Engine Mounting and Base (Twin and Quad)
12.0000	MISCELLANEOUS
12.2000A	Bilge Pump
12.3000A	Vacuum Pump
12.4000A	Air Compressor
12.5000A	Hydraulic Pump
12.6000A	Gasoline Starter
12.6000B	Air Starter
12.6000C	Cold Weather Starting Aid
12.6000D	Hydraulic Starter
12.6000E	Hydraulic Starter Accessories
12.8000A	Supplies
12.8000B	Fabrication Material
12.8000C	Miscellaneous Service Kits and Sets
12.8000D	Miscellaneous Service Parts

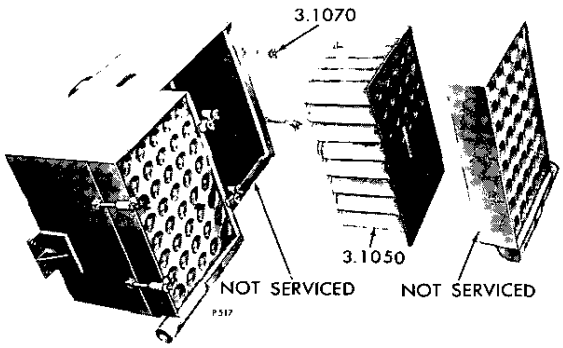
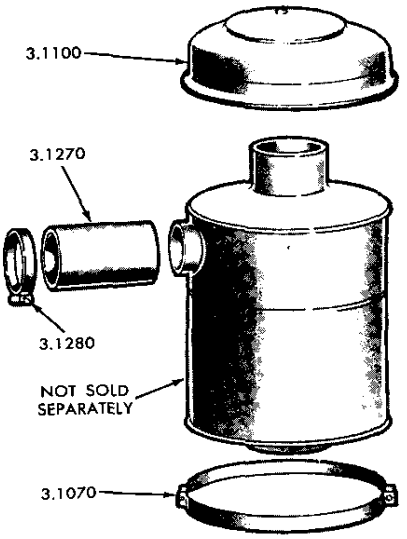


FIG. 1C AIR CLEANER



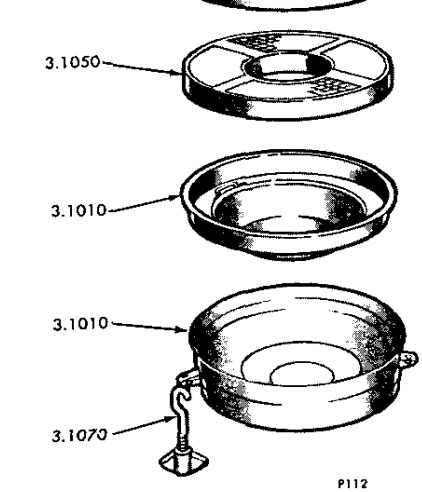


FIG. 1B AIR CLEANER (OIL BATH)

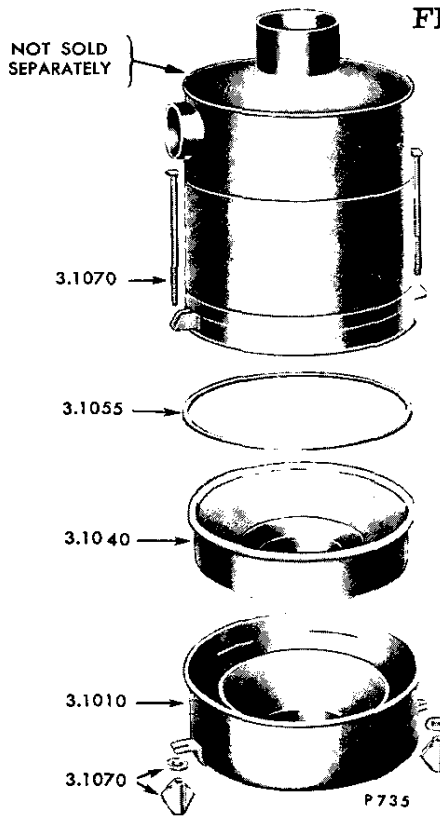
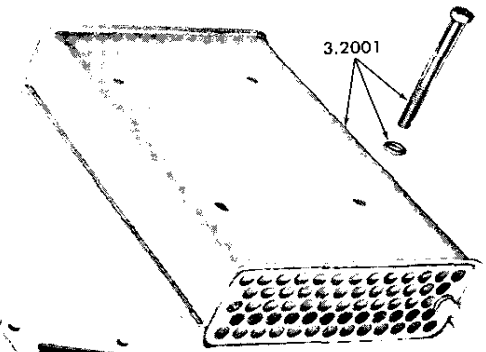


FIG. 1A AIR CLEANER (OIL BATH)



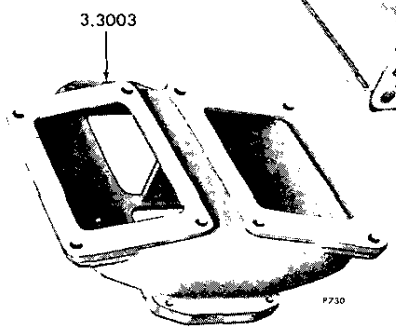


FIG. 2A AIR SILENCER

Figs. 1A, 1B, 1C & 2A of 3.0000

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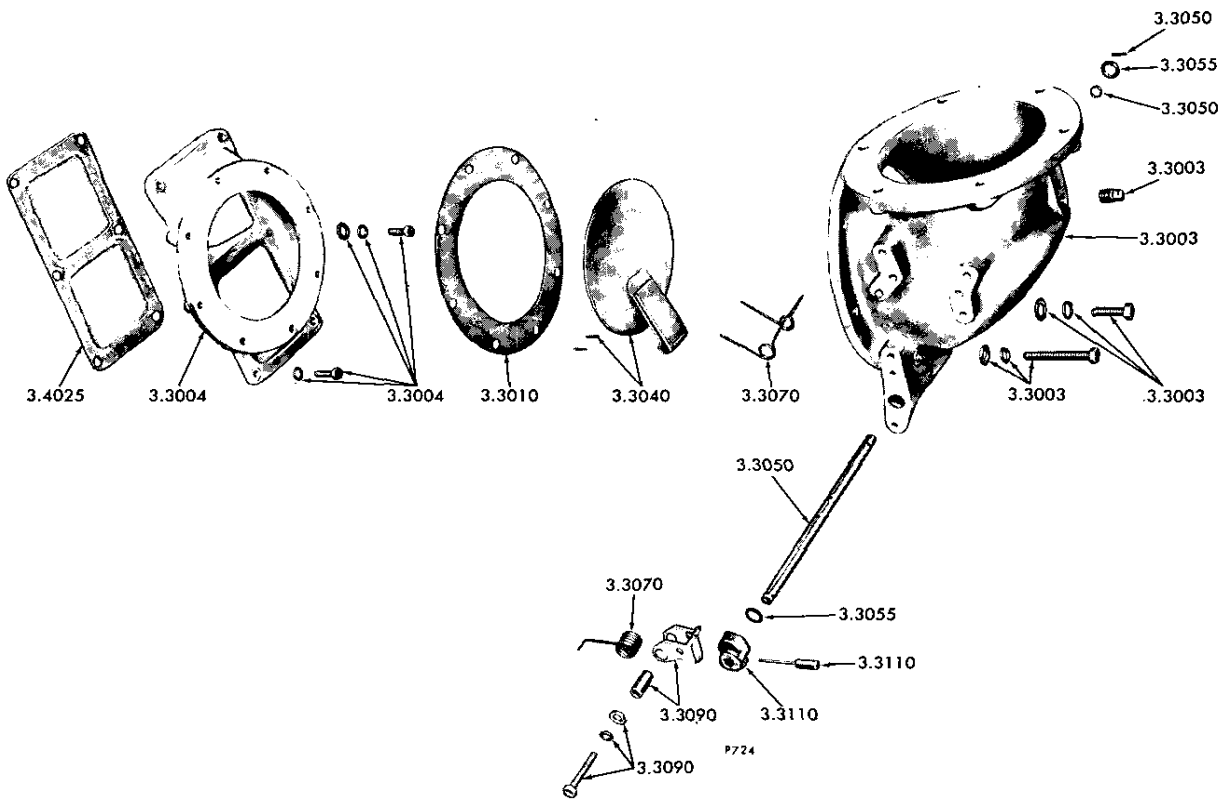

FIG. 3A AIR INLET HOUSING

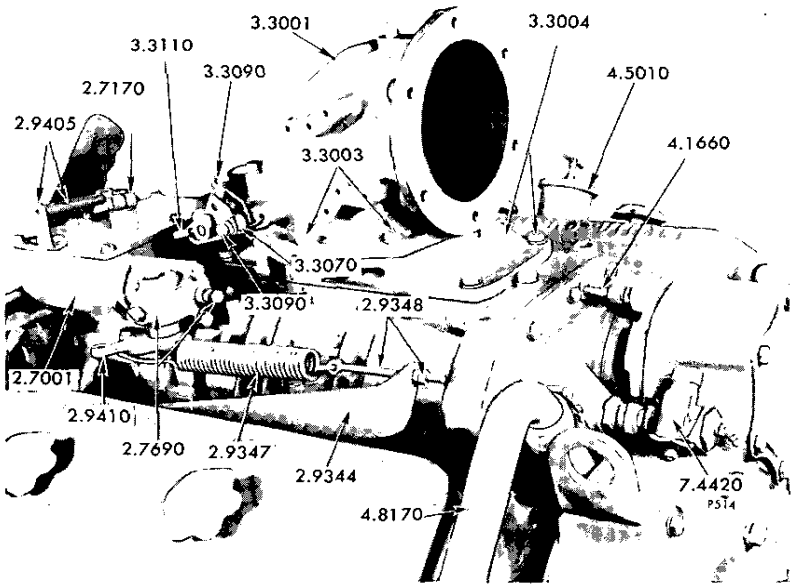

FIG. 3B AIR INLET HOUSING

Figs. 3A & 3B of 3.0000

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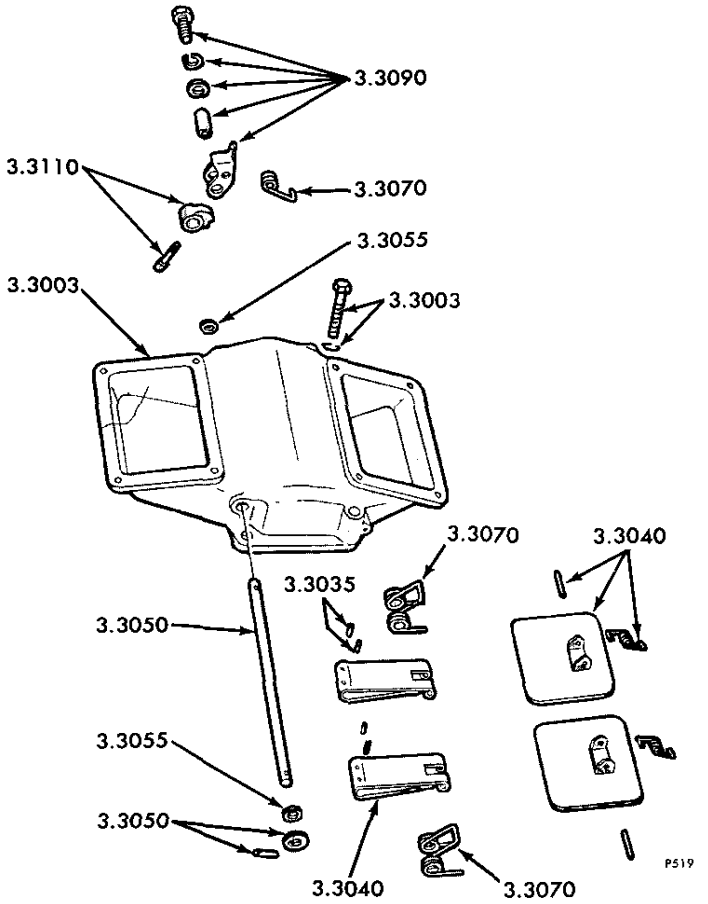

FIG. 3C AIR INLET HOUSING (Marine Application)

Fig. 3C of 3.0000

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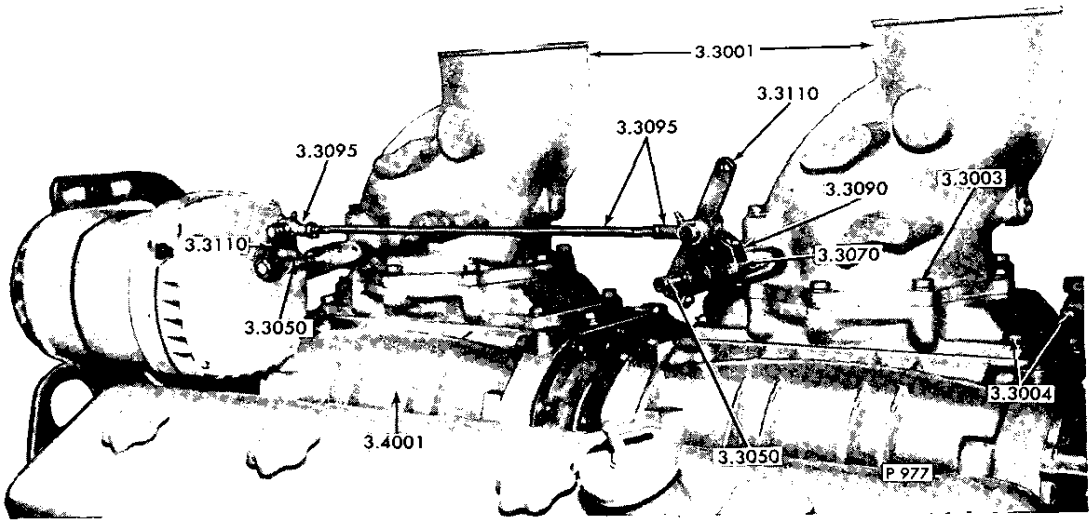

FIG. 3D UNITIZED SHUTDOWN

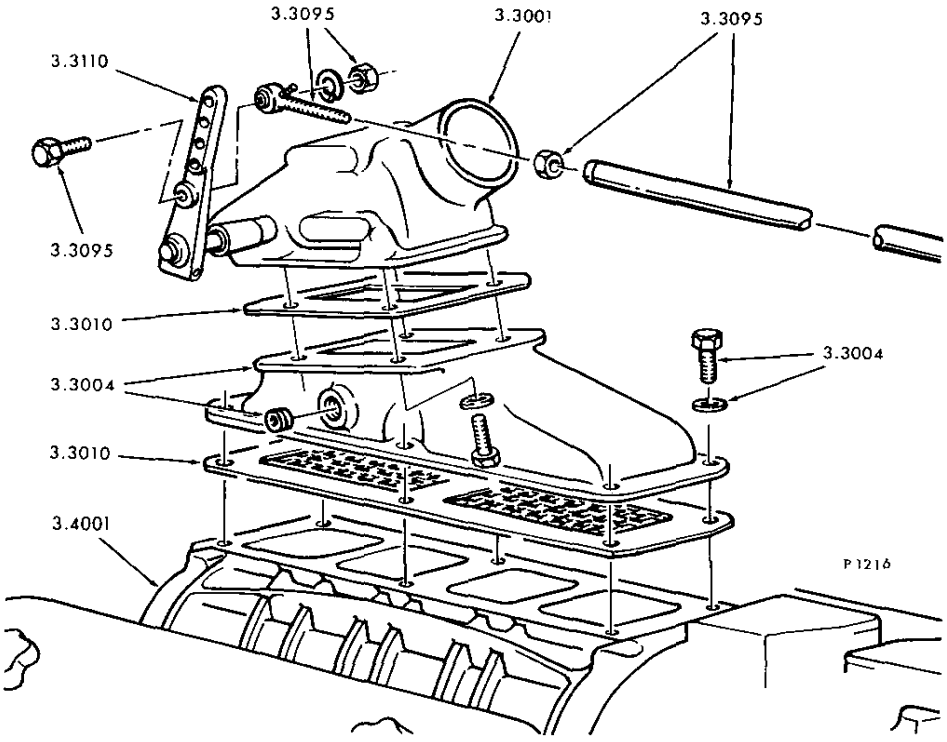

FIG. 3E SHUTDOWN

Figs. 3D & 3E of 3.0000

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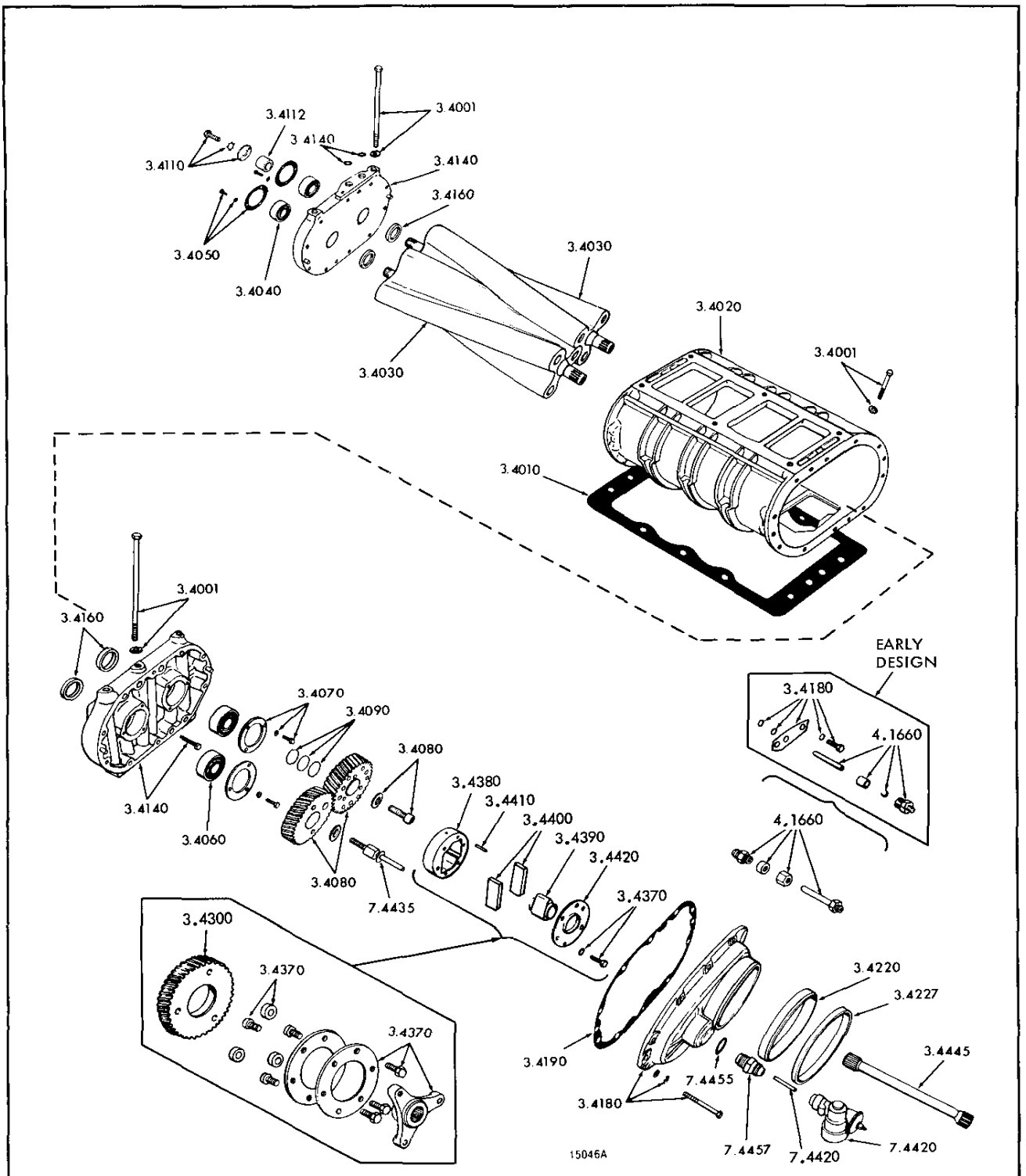

BLOWER

Fig. 4A of 3.0000

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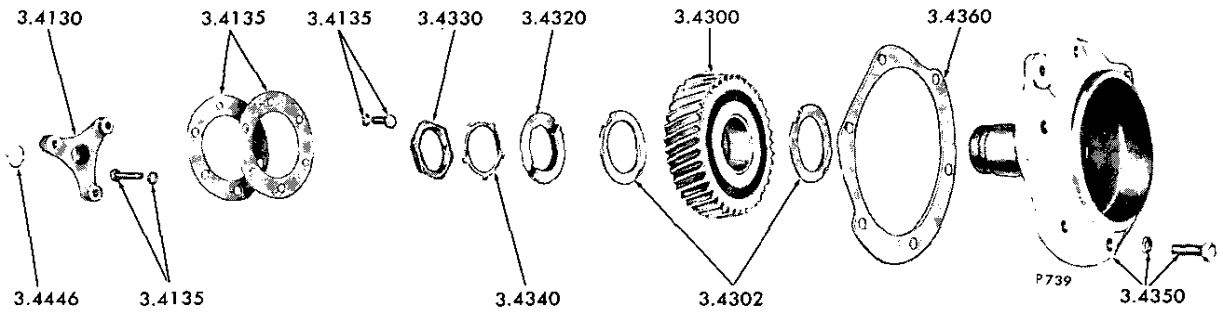

FIG. 4B BLOWER DRIVE SUPPORT

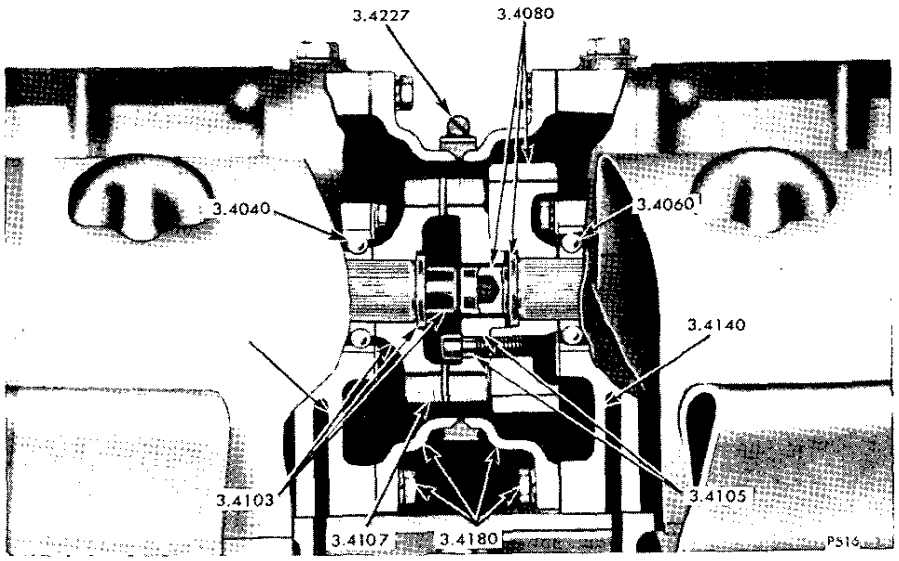

FIG. 4C BLOWER COUPLING on 12V-71

Figs. 4B & 4C of 3.0000

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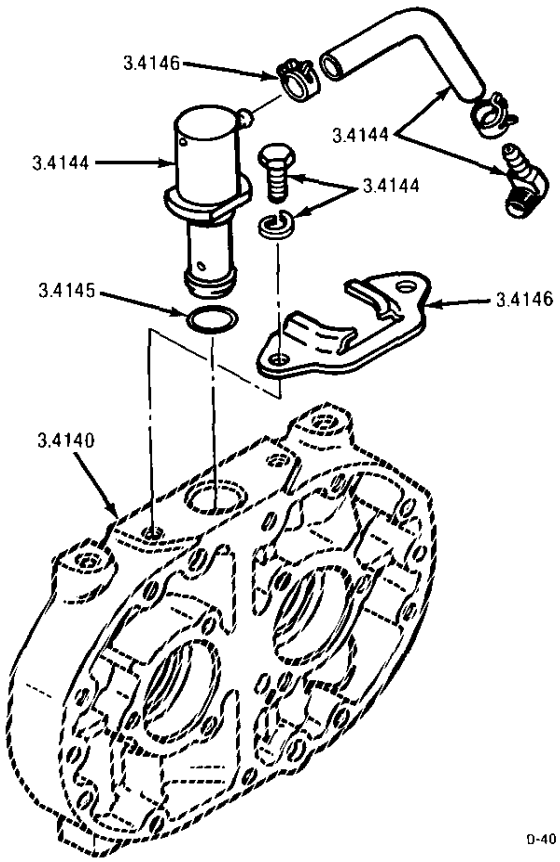

FIG. 4D BLOWER BYPASS VALVE

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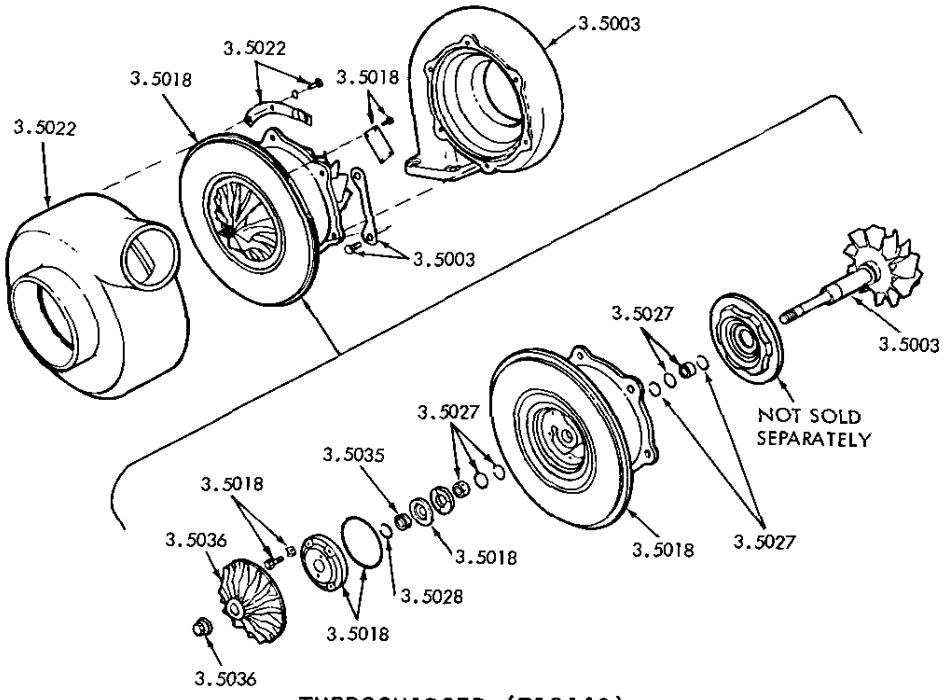
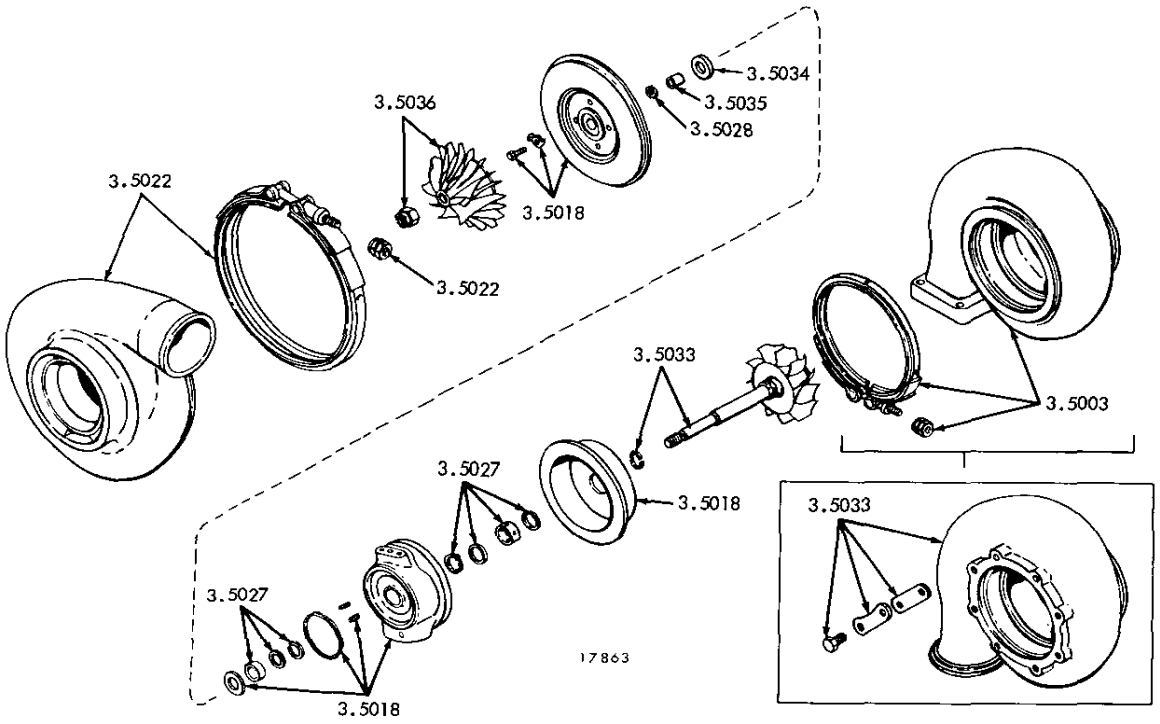


TURBOCHARGER (T19A40)



TURBOCHARGER (T18A40)

Fig. 5A Of 3.0000

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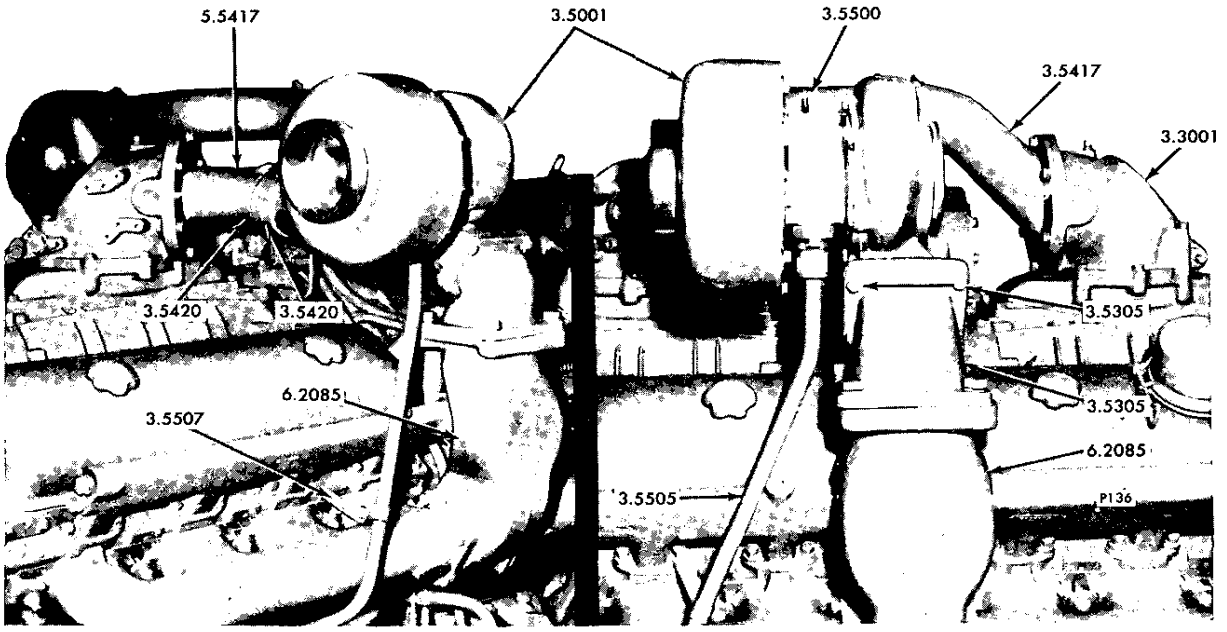

FIG. 5B TURBOCHARGER (Twin Installation)

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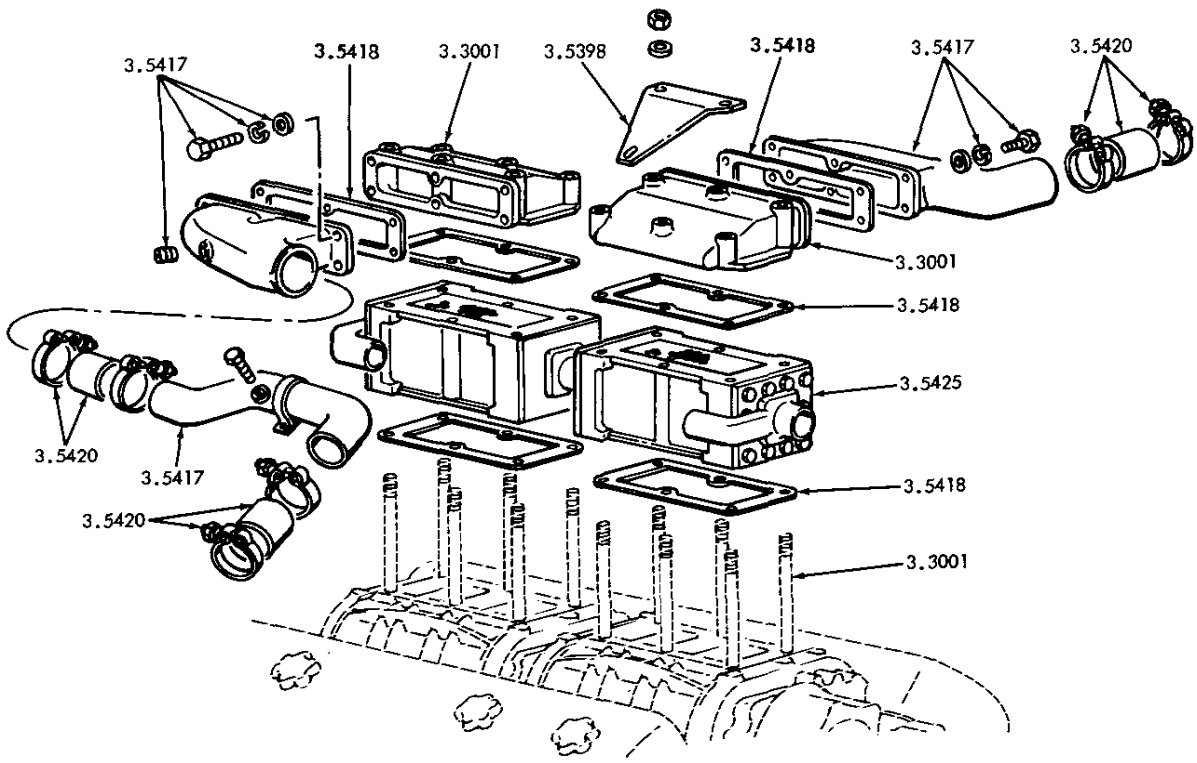

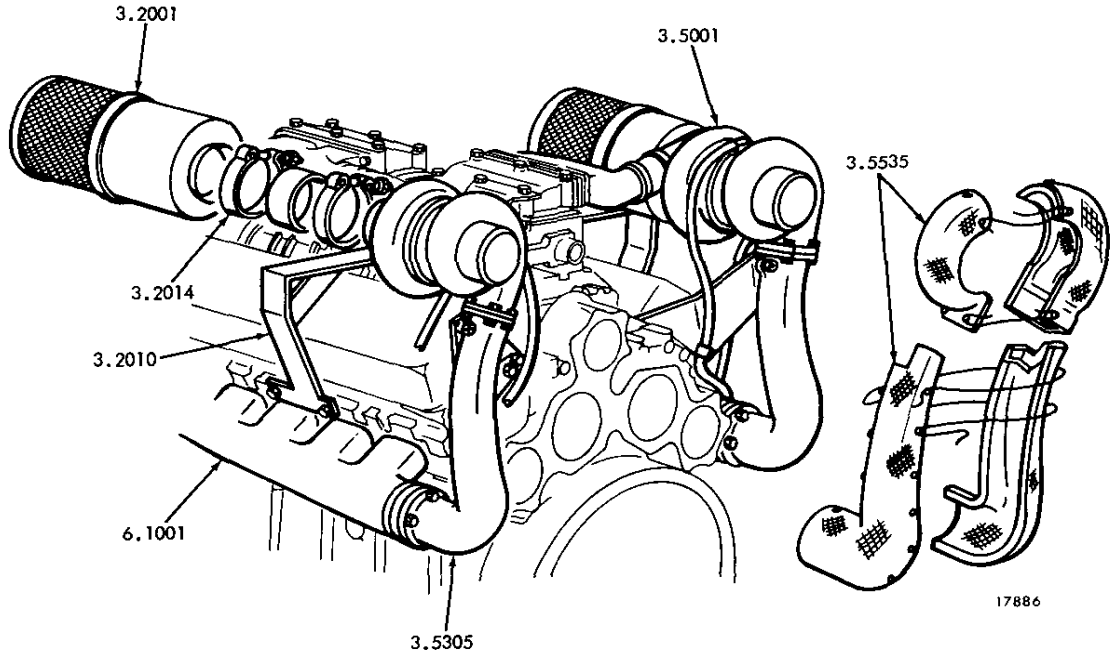

FIG. 5C 12V INTERCOOLER TURBOCHARGER INSTALLATION
(Typical Marine)

Fig. 5C of 3.0000

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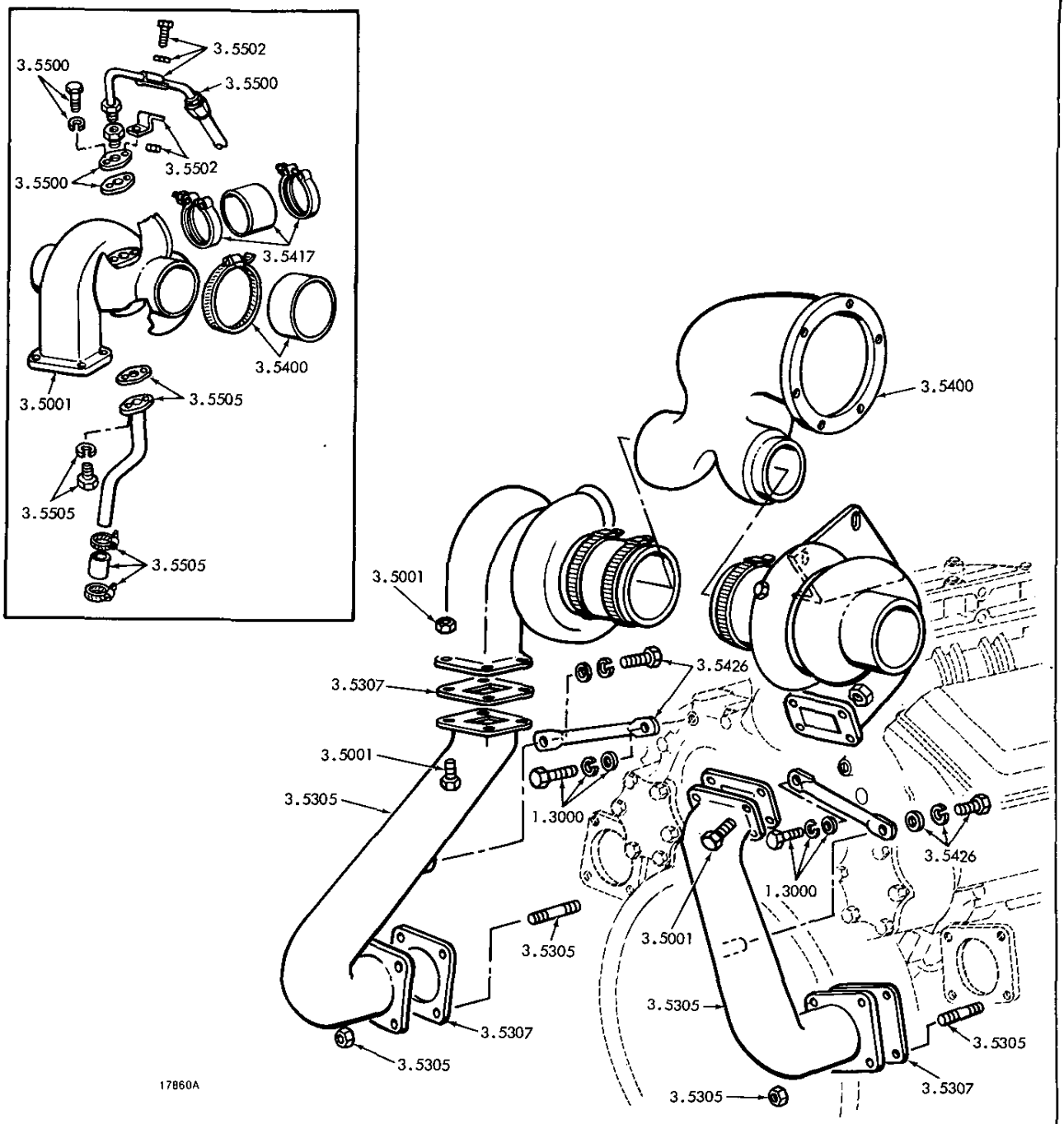

FIG. 5D 12V TURBOCHARGER ASSEMBLY (Industrial)

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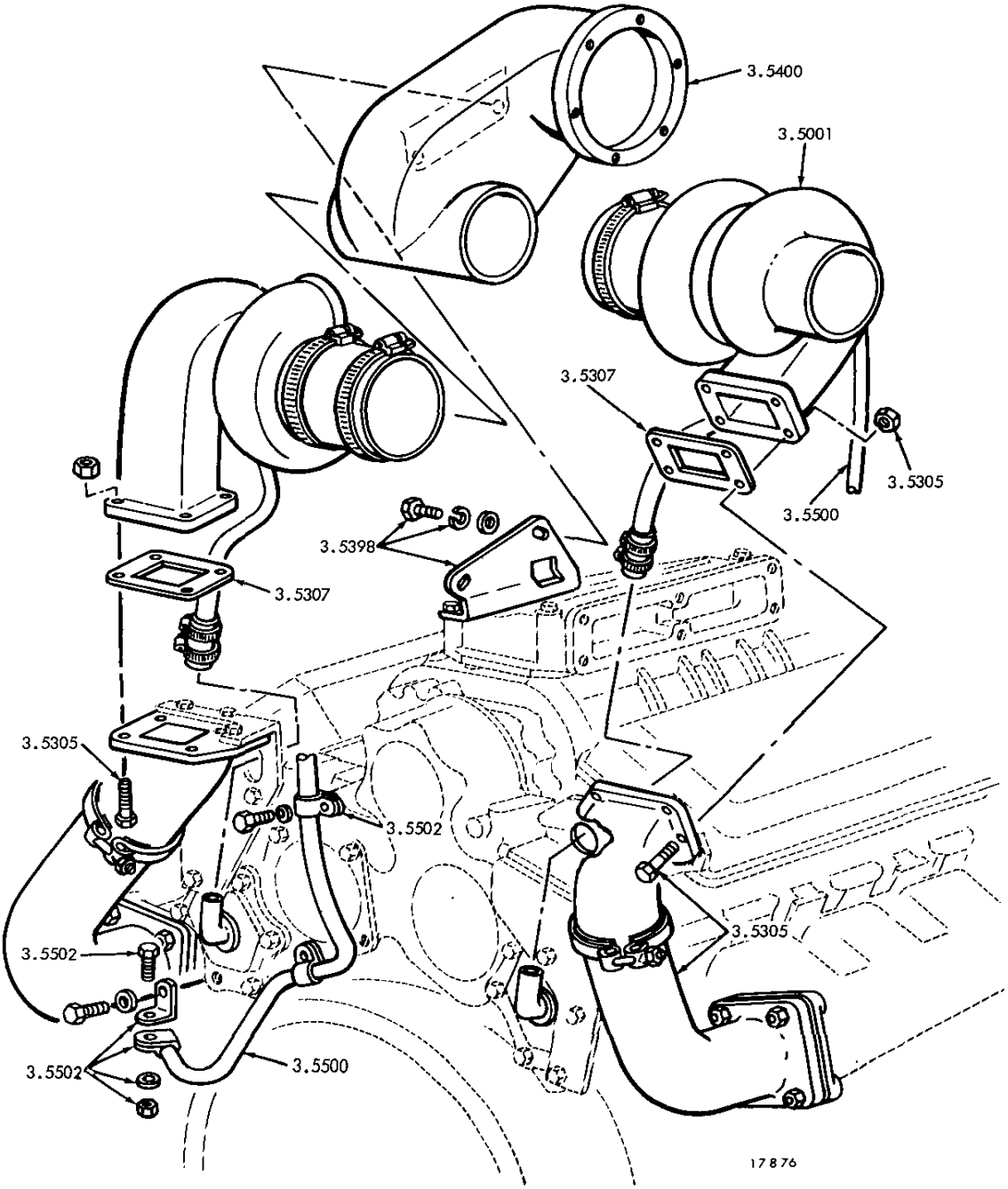

FIG. 5E 12V TURBOCHARGER ASSEMBLY (Rear Mounted)

Fig. 5E of 3.0000

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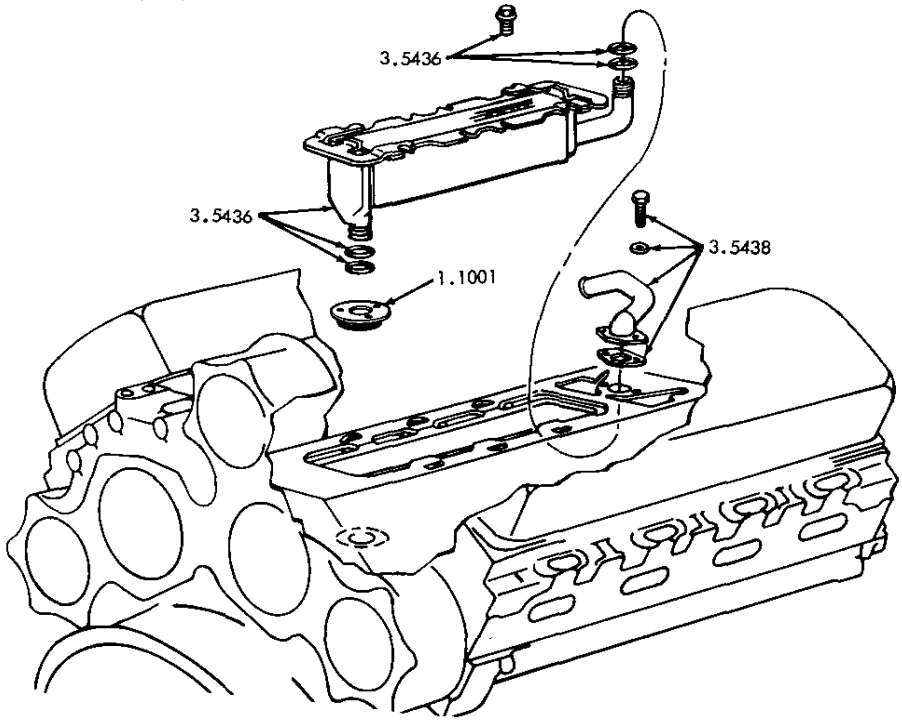

FIG. 5F AFTERCOOLER

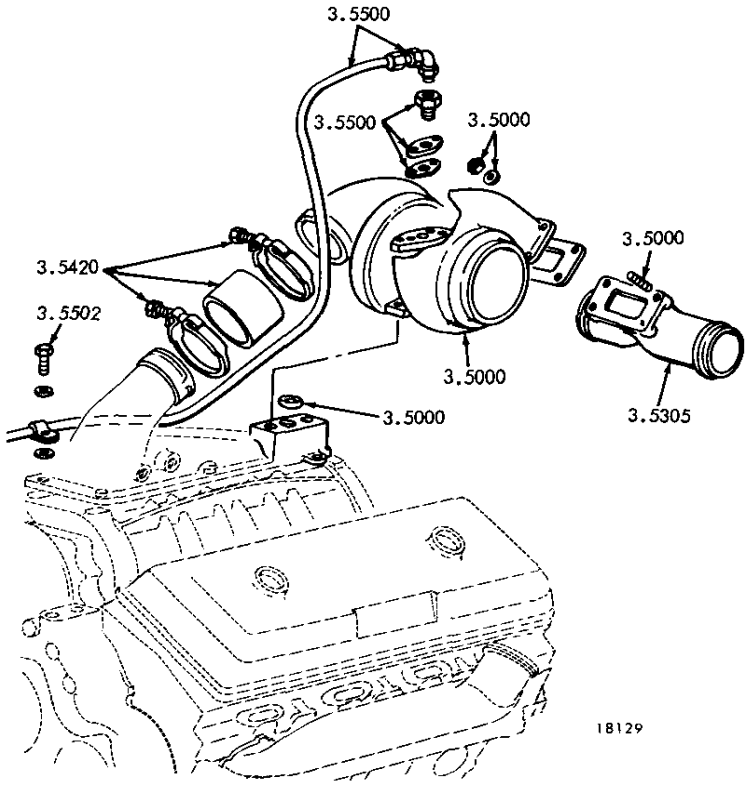

FIG. 5G TURBOCHARGER (Blower Mounted)

FIG. 5F & 5G of 3.0000

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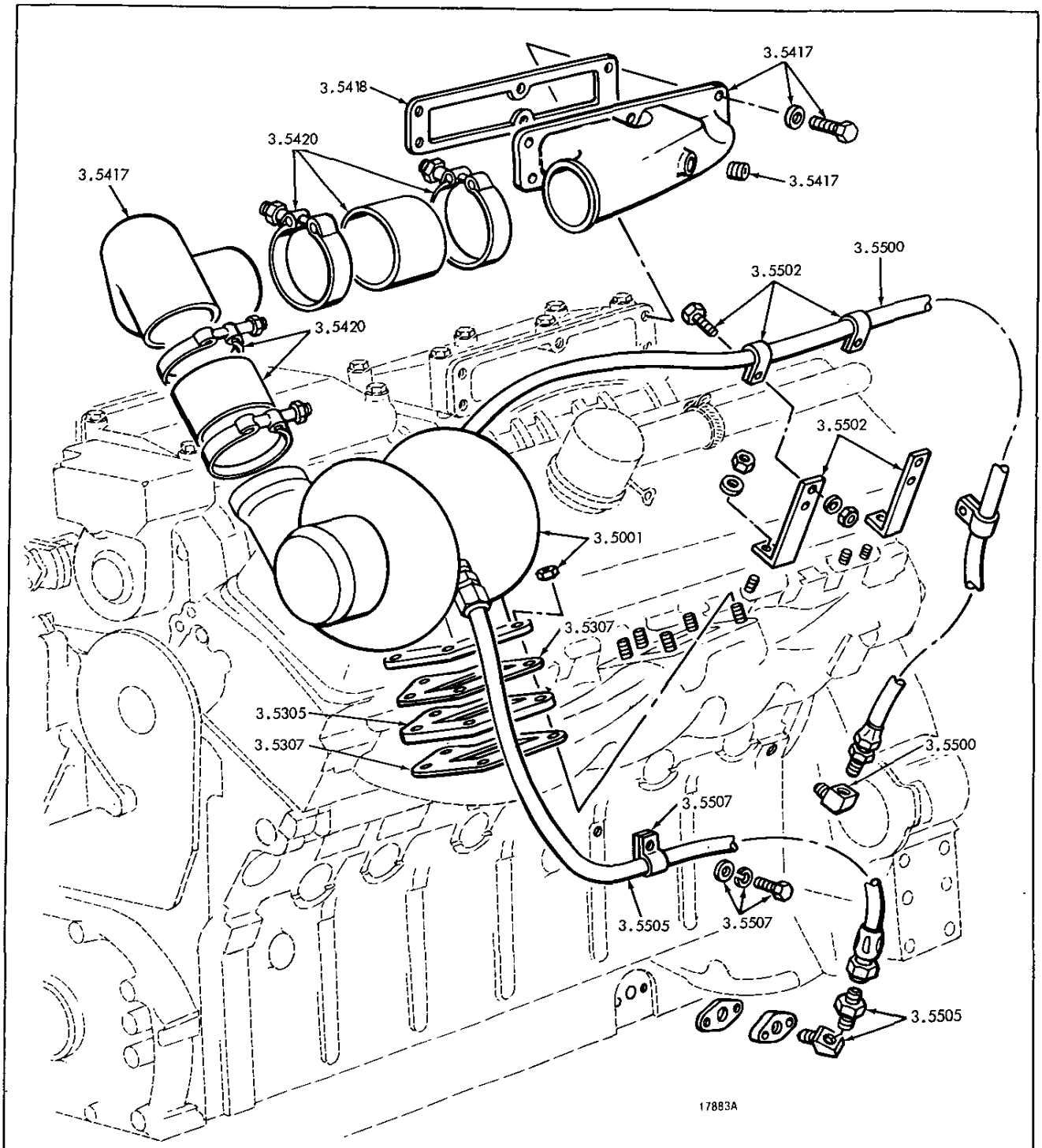

FIG. 5H 12V TURBOCHARGER ASSEMBLY (Side Mounted)

Fig. 5H of 3.0000

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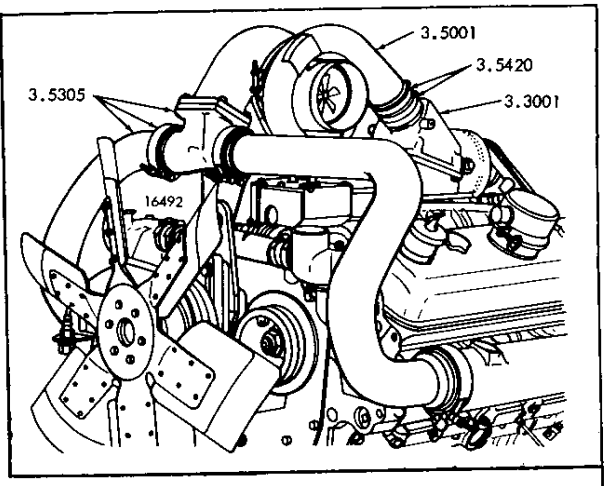

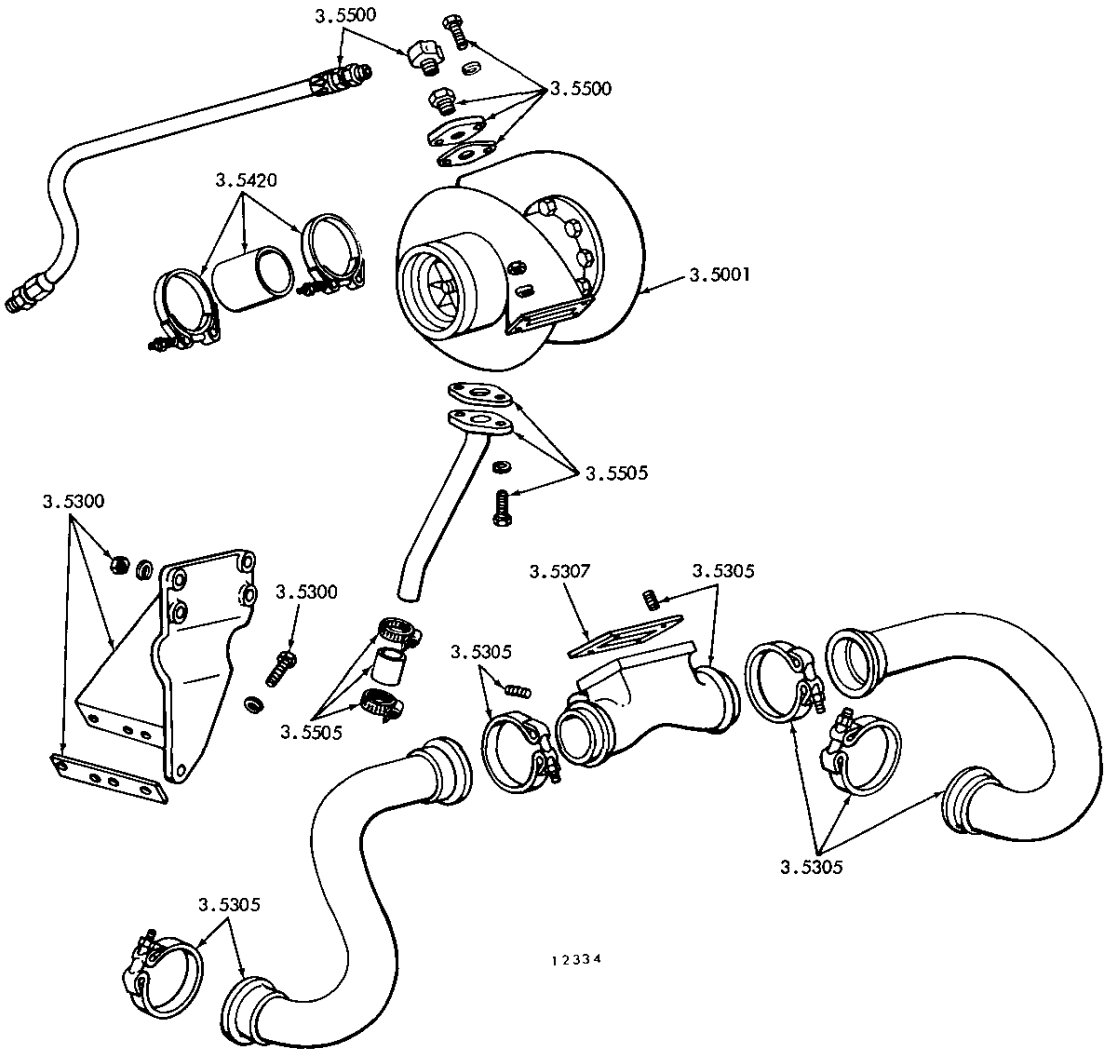

FIG. 5J TURBOCHARGER INSTALLATION

Fig. 5J of 3.0000

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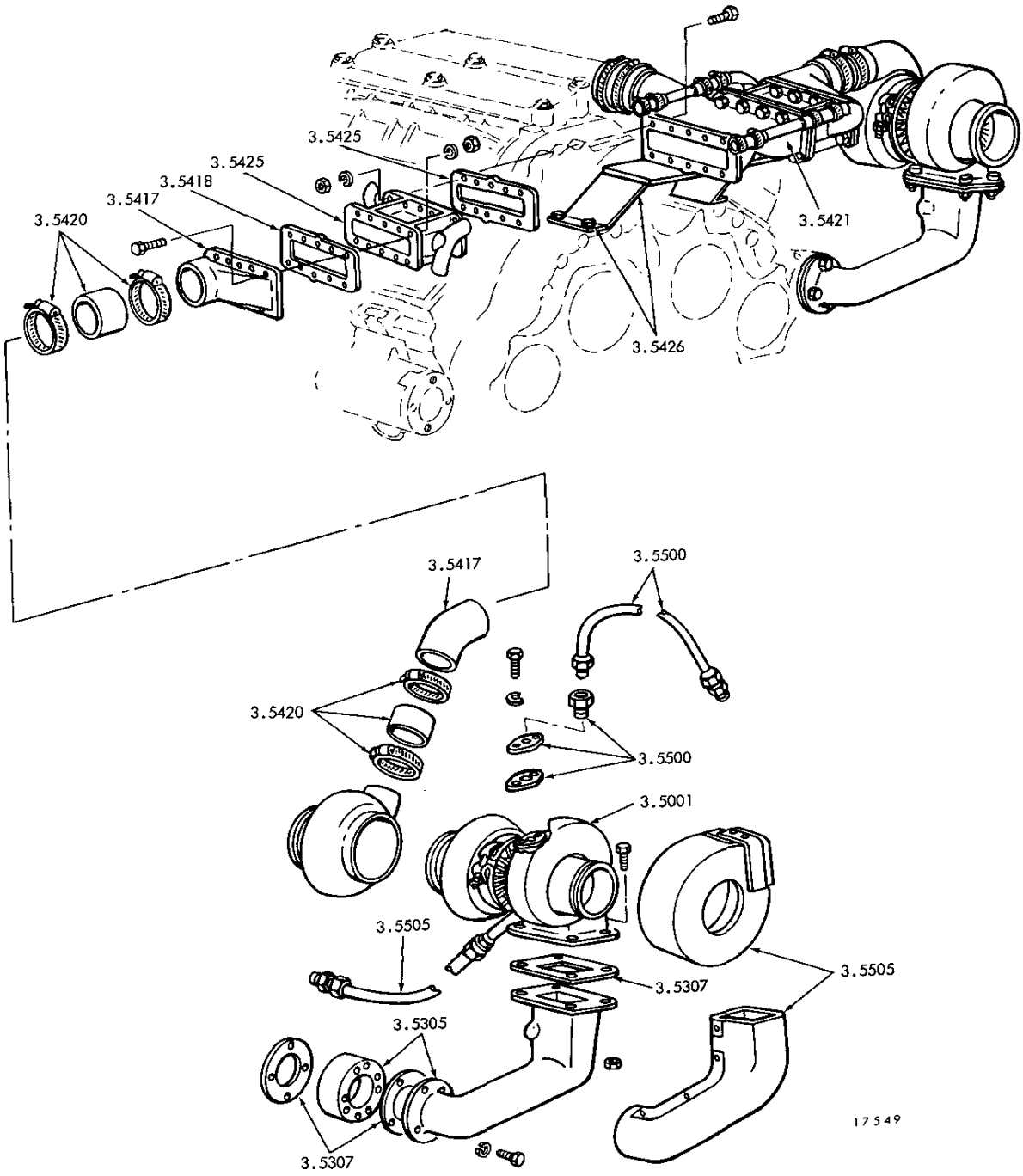

FIG. 5K TURBOCHARGER & INTERCOOLER ASSEMBLY (8V71 MARINE)

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 187	188	189	190	191	203	204	205	206	231	232	233
		3.1001 - AIR CLEANER ASSY.												
		SEE ASSY. BREAKDOWN AS SHOWN. WHEN REPLACING AIR CLEANER ASSY. REFER TO 3.1220 THRU 3.1240 FOR MTG. STRAPS, BRACKETS AND SPACERS.												
1C	**5127150**	AIR CLEANER ASSY. (PAGE A1)												1
*	**5113180** @	AIR CLEANER ASSY. (12" DIA.) (PAGE A1)							2	2				
*	**5123925** &	AIR CLEANER ASSY. (12" DIA.) (PAGE A1)							2	2				
*	**5129862** #	AIR CLEANER ASSY. (14" DIA.) (PAGE B1	1											
*	**9178764** %	AIR CLEANER ASSY. (14" DIA.) (PAGE A1)	1											
*	**5110120** +	AIR CLEANER ASSY. (14" DIA.) (PAGE A1)		1				2			2	1		
*	**5127363** =	AIR CLEANER ASSY. (14" DIA.) (PAGE A1)		1				2			2	1	1	
*	**5114221**	AIR CLEANER ASSY. (14" DIA.) (PAGE A1)			2	1	1							
	181395	BOLT, 7/16"-20X1" (12.9001)												4
	103322	LOCKWASHER, 7/16" (12.9200)												4
	456939	NUT, 7/16"-20 HEX. (12.9120)												4
		* FIG. 10B OF 4.0000.												
		@ THRU 8VA-2591; NOT SERVICED, COMPONENTS ARE AVAILABLE.												
		& EFFECTIVE WITH 8VA-2592.												
		# EFFECTIVE WITH 6VA-9299.												
		% *THRU 6VA-9298; NOT SERVICED,* COMPONENTS ARE AVAILABLE.												
		+ THRU 6VA-15358, 12VA-1872; NOT SERVICED, COMPONENTS ARE AVAILABLE.												
		= EFFECTIVE WITH 6VA-15359, 12VA-1873.												
		3.1002 - *INDICATOR, AIR CLEANER RESTRICTION*												
	5124115 *	INDICATOR												1
	9211014 +	INDICATOR												1
		* NOT SERVICED THRU 6VA-25192, 8VA-16836, 12VA-4467 REPLACE WITH 9211014 INDICATOR AND INCLUDE 9196130 FITTING AND 5131994 PLATE.												
		+ EFFECTIVE WITH 6VA-25193, 8VA-16837, 12VA-4468.												
		3.1003 - ASPIRATOR, EXHAUST												
	5127151	ASPIRATOR												2
	5127168	ELBOW (2" DIA.)												2
	5127167	HOSE ASSY. (METAL)												2

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 187	188	189	190	191	203	204	205	206	231	232	233
		3.1003 - ASPIRATOR, EXHAUST (CONT'D)												
	5127284	CLAMP												4
		3.1100 - PRE-CLEANER ASSY., AIR												
1A	9241664	HOOD ASSY., INLET	1	1				2			2	1	1	
1A	9241663	HOOD ASSY., INLET (4 1/2" PIPE DIA.)							2	2				
		3.1220 - STRAP, AIR CLEANER MOUNTING												
#	5185800	STRAP (12" DIA.)							4	4				
*	5184134	STRAP (LOWER) (14" DIA.)	1					2						
#	5185801	STRAP (UPPER) (14" DIA.)		2	4	2	2	2			4	2	2	
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)								8				
	181395	BOLT, 7/16"-20X1" (12.9001)		4	8	4	4				8			
	181397	BOLT, 7/16"-20X1 1/4" (12.9001)								4	4			
	186645	BOLT, 7/16"-20X1 1/4" (12.9001)									4	4	4	
	103341	WASHER, 3/8" FLAT (12.9190)								AR				
	103342	WASHER, 7/16" FLAT (12.9190)					AR				AR			
	103321	LOCKWASHER, 3/8" (12.9200)								8				
	103322	LOCKWASHER, 7/16" (12.9200)		4	8	4	4				8	4	4	
	117049	NUT, 3/8"-16 HEX. (12.9120)								8				
	456939	NUT, 7/16"-20 HEX. (12.9120)		4	8	4	4				8	4	4	
		# FIG. 10A OF 5.0000.												
		* FIG. 10B OF 4.0000.												
		3.1230 - BRACKET, AIR CLEANER MOUNTING												
#	5122403	BRACKET, R.H.		1		1	1							
#	5122404	BRACKET, L.H.		1		1	1							
#	5123048	BRACKET, R.H.			1					1	1			
#	5123049	BRACKET, L.H.			1					1	1			
	5126860	BRACKET (OUTER)										1	1	
	5126859	BRACKET (INNER)										1	1	
	5125576	BRACKET												1
#	5125637	BRACKET, R.H.												1
#	5125638	BRACKET, L.H.												1
	5126880	STUD, 3/8"-24X6 1/4" (12.9117)				1								
	5128235	BOLT, 3/8"-24X4 1/8" (12.9001)		2	4	2	2			2	4	2	2	4
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)		2										
	186317	BOLT, 3/8"-24X5" (12.9001)					2							
	191637	BOLT, 3/8"-24X5 3/4" (12.9001)		2		2	2					2		
	186324	BOLT, 3/8"-24X6 1/2" (12.9001)					1							
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		2	4	2	4				4			
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)												4
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)										2	2	

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 187	188	189	190	191	203	204	205	206	231	232	233
		3.1230 - BRACKET, AIR CLEANER MOUNTING (CONT'D)												
	181427	BOLT, 1/2"-20X1" (12.9001)												2
	187372	WASHER, 13/32"X13/16" (12.9190)											4	
	103321	LOCKWASHER, 3/8" (12.9200)		AR								AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)		AR	AR	AR	AR			AR	AR			AR
	103323	LOCKWASHER, 1/2" (12.9200)												2
	456939	NUT, 7/16"-20 HEX. (12.9120)												4
		# FIG. 10A OF 5.0000.												
		3.1240 - SPACER, AIR CLEANER BRACKET												
#	5123047	PLATE, MOUNTING			1					1	1			
	5125528	PLATE, MOUNTING												1
	186627	BOLT, 3/8"-24X1" (12.9001)			4					4	4			
	103341	WASHER, 3/8" FLAT (12.9190)									4			
	103321	LOCKWASHER, 3/8" (12.9200)			4					4	4			
	117049	NUT, 3/8"-24 HEX. (12.9120)			4					4	4			
		# FIG. 10A OF 5.0000.												
		3.1260 - PIPE, AIR CLEANER TO INLET HSG.												
	5123473	PIPE		1		1								
#	5123046	PIPE (INLET HOUSING)			1						1			
	5123474	PIPE					1							
	5117749 *	PIPE								1				
	5126858	PIPE										1	1	
	5125555	PIPE												1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		6			6					6	6	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			6	6				6				6
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)									6			
	103321	LOCKWASHER, 3/8" (12.9200)		6	6	6				6	6	6	6	
		# FIG. 10A OF 5.0000.												
		* NOT SERVICED; REPLACE WITH 5125266 PIPE AND INCLUDE 2-5125281 HOSES FOR TYPE 205 OR 1-5109929 TUBE AND 4-5183904 HOSES FOR TYPE 255 TO INSURE INTERCHANGEABILITY.												
		3.1261 - GASKET, AIR CLEANER TO INLET HOUSING PIPE												
	5123750	GASKET		1		1	1			1		1	1	
	5123933	GASKET			1						1			1
		3.1270 - HOSE, AIR INLET PIPE												
*	5125281 @	HOSE (4"I.D.X4 1/2"L.)								4				
#	5108270 @	HOSE (5 1/2"I.D.X3 1/2"L.)		1	2	1	1					1	1	
	5108270 @	HOSE (5 1/2"I.D.X9"L.)									2			

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 187	188	189	190	191	203	204	205	206	231	232	233
		3.1270 - HOSE, AIR INLET PIPE (CONT'D)												
	5109878	HOSE (7"I.D.X7"L.)												1
	5109929	TUBE (4"O.D.X5"L.) (3.1260)								2				
		* FIG. 10B OF 8.0000.												
		# FIG. 10A OF 5.0000.												
		@ STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		3.1280 - CLAMP, AIR INLET PIPE HOSE												
	5113246	CLAMP (4 3/4"I.D.) (12.9660)								16				
	5114937 #	CLAMP (6"I.D.)		2	4	2	2				8	4	4	
	5125532	CLAMP (7" I.D.) (12.9660)												2
		# FIG. 10A OF 5.0000.												

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 234	235	236	237	244	245	252	253	255	256	261	262
		3.1001 - AIR CLEANER ASSY.												
		SEE ASSY. BREAKDOWN AS SHOWN. WHEN REPLACING AIR CLEANER ASSY. REFER TO 3.1220 THRU 3.1240 FOR MTG. STRAPS, BRACKETS AND SPACERS.												
1C	5127170	AIR CLEANER ASSY. (PAGE A1)	1											
1C	5127179	AIR CLEANER ASSY. (PAGE A1)		1										
*	5113180 @	AIR CLEANER ASSY. (12" DIA.) (PAGE A1)			2				2					
*	5123925 #	AIR CLEANER ASSY. (12" DIA.) (PAGE A1)			2	2			2		2			
*	5127363	AIR CLEANER ASSY. (14" DIA.) (PAGE A1)					2	2		2		1		2
*	5129866	AIR CLEANER ASSY. (16" DIA.) (PAGE A1)											2	
	181395	BOLT, 7/16"-20X1" (12.9001)	4	4		2					2			
	456939	NUT, 7/16"-20 HEX. (12.9120)	4	4										
		* FIG. 10B OF 4.0000.												
		@ THRU 8VA-2591; NOT SERVICED, COMPONENTS ARE AVAILABLE.												
		# EFFECTIVE WITH 8VA-2592.												
		3.1002 - INDICATOR, AIR CLEANER RESTRICTION												
	5124115 *	INDICATOR	1	1										
	9211014 +	INDICATOR	1	1										
		* NOT SERVICED THRU 6VA-25192, 8VA-16836, 12VA-4467 REPLACE WITH 9211014 INDICATOR AND INCLUDE 9196130 FITTING AND 5131994 PLATE.												
		+ EFFECTIVE WITH 6VA-25193, 8VA-16837, 12VA-4468.												
		3.1003 - ASPIRATOR, EXHAUST												
	5127171	ASPIRATOR	2											
	5127881	ASPIRATOR		2										
	5127281	ELBOW (1 1/2" DIA.)		2										
	5127168	ELBOW (2" DIA.)	2											
	5127167	HOSE ASSY. (METAL)	2											
	5127174	HOSE ASSY. (METAL)		2										
	5127284	CLAMP	4											
	5127283	CLAMP		4										
		3.1100 - PRE-CLEANER ASSY., AIR												
1A	9241664	HOOD ASSY., INLET					2	2		2		1		2
1A	9241663	HOOD ASSY., INLET (4 1/2" PIPE DIA.)			2	2			2		2		2	
	5129934	HOOD (CAP)												

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 234	235	236	237	244	245	252	253	255	256	261	262
		3.1220 - STRAP, AIR CLEANER MOUNTING												
#	5185800	STRAP (12" DIA.)			4	4			4		4			
*	5184134	STRAP (LOWER) (14" DIA.)										1		
#	5185801	STRAP (UPPER) (14" DIA.)					4	4		2		1		4
#	5129935	STRAP (16" DIA.)											4	
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)			8	8			8	8	8			
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)					8	8					8	8
	103342	WASHER, 7/16" FLAT (12.9190)					AR	AR				1		AR
	103321	LOCKWASHER, 3/8" (12.9200)			8	8			8	8	8			
	103322	LOCKWASHER, 7/16" (12.9200)					8	8					8	8
	117049	NUT, 3/8"-16 HEX. (12.9120)			8	8			8	8	8			
	456939	NUT, 7/16"-20 HEX. (12.9120)						8					8	8
		# FIG. 10A OF 5.0000.												
		* FIG. 10B OF 4.0000.												
		3.1230 - BRACKET, AIR CLEANER MOUNTING												
#	5125637	BRACKET, R.H.	1	1	1	1	1	1						
#	5125638	BRACKET, L.H.	1	1	1	1	1	1						
#	5127053	BRACKET, R.H.							1	1	1		1	1
#	5127054	BRACKET, L.H.							1	1	1		1	1
	5128235	BOLT, 3/8"-24X4 1/8" (12.9001)	4	4	4	4	4	4	4	4	4		4	4
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)											4	
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)			4	4	4	4	4	4	4			4
	103341	WASHER, 3/8" FLAT (12.9190)												4
	103342	WASHER, 7/16" FLAT (12.9190)				4								
	456939	NUT, 7/16"-20 HEX. (12.9120)			4	4	4	4	4	4	4			
		# FIG. 10A OF 5.0000.												
		3.1240 - SPACER, AIR CLEANER BRACKET												
	5127076	PLATE, MOUNTING			1	1			1		1			
	5127088	PLATE, MOUNTING					1	1		1				1
	5124178	PLATE, MOUNTING											1	
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)											4	
	103341	WASHER, 3/8" (12.9190)				4		4						
	103322	LOCKWASHER, 7/16" (12.9200)											4	
	456939	NUT, 7/16"-20 HEX. (12.9120)											4	
		3.1260 - PIPE, AIR CLEANER TO INLET HSG.												
#	5123046	PIPE (INLET HOUSING)								1				1
	5117749	@ PIPE									1			
	5125569	PIPE	1											
	5125568	PIPE		1										
*	5125266	PIPE			1	1			1					
#	5125588	PIPE (INLET HOUSING)					1	1						
*	5122310	PIPE (REAR)											1	

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 234	235	236	237	244	245	252	253	255	256	261	262
		3.1260 - PIPE, AIR CLEANER TO INLET HSG. (CONT'D)												
*	5122124	PIPE (FRONT)											1	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	6	6									12	
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)			6	6	6	6	6	6	6			
	103321	LOCKWASHER, 3/8" (12.9200)	6	6	6	6	6	6	6	6	6		12	6
		# FIG. 10A OF 5.0000.												
		* FIG. 10B OF 8.0000.												
		@ NOT SERVICED; REPLACE WITH 5125266 PIPE AND INCLUDE 2-5125281 HOSES FOR TYPE 205 OR 1-5109929 TUBE AND 4-5183904 HOSES FOR TYPE 255 TO INSURE INTERCHANGEABILITY.												
		3.1261 - GASKET, AIR CLEANER TO INLET HOUSING PIPE												
	5123750	GASKET	1	1	1	1			1		1		2	
	5123933	GASKET					1	1		1				1
		3.1270 - HOSE, AIR INLET PIPE												
	5125281	@ HOSE (4"I.D.X3"L.)			2	2			2		4			
#	5108270	@ HOSE (5 1/2"I.D.X3 1/2"L.)	1	1			2	2		2			2	2
	5109929	TUBE (4"O.D.X5"L.) (3.1260)									2			
		* FIG. 10B OF 8.0000.												
		# FIG. 10A OF 5.0000.												
		@ STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		3.1280 - CLAMP, AIR INLET PIPE HOSE												
	5113246	CLAMP (4 3/4"I.D.) (12.9660)			8	8			8		16			
#	5114937	CLAMP (6"I.D.)	2	2			8	8		8			8	8
		# FIG. 10A OF 5.0000.												

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 272	275	280	281	287	292	296	297	307	317	319	320
		3.1001 - AIR CLEANER ASSY.												
		SEE ASSY. BREAKDOWN AS SHOWN. WHEN REPLACING AIR CLEANER ASSY. REFER TO 3.1220 THRU 3.1240 FOR MTG. STRAPS, BRACKETS AND SPACERS.												
	NPN	AIR CLEANER ASSY. (CUSTOMER FURNISHED)		AR	AR	AR					AR	AR		
•	5114221	AIR CLEANER ASSY. (14" DIA.) (PAGE A1)	2				2							
•	5129862	AIR CLEANER ASSY. (14" DIA.) (PAGE B1							1					2
	5138189	AIR CLEANER ASSY. (14" DIA.) (PAGE B1						2					2	
•	5129866	AIR CLEANER ASSY. (16" DIA.) (PAGE A1)												
		* FIG 10B OF 4.0000.												
		3.1085 - ADAPTOR, AIR CLEANER MOUNTING												
	5100353 *	TEE		1						1				
	5100354	TEE (3.1260)												
	5121182	PLUG, 1/4" PIPE (12.9550)		1										
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		3						3				
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)		1						1				
	103341	WASHER, 3/8" FLAT (12.9190)		4						4				
	103321	LOCKWASHER, 3/8" (12.9200)		4						4				
		* OBSOLETE												
		3.1087 - GASKET, AIR CLEANER MOUNTING ADAPTOR												
	5123750	GASKET (3.1261)		1						1				
		3.1100 - PRE-CLEANER ASSY., AIR												
	5129934	HOOD (CAP)						2					2	
1A	9241664	HOOD ASSY., INLET						1						2
	9241663	HOOD ASSY., INLET												
		3.1220 - STRAP, AIR CLEANER MOUNTING												
•	5185801	STRAP (UPPER AND LOWER) (14" DIA.)	4				4		1		2			
•	5184134	STRAP (LOWER) (14" DIA.)							1					4
	5185800	STRAP (12" DIA.)						4					4	8
•	5129935	STRAP (16" DIA.)												
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)												

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 272	275	280	281	287	292	296	297	307	317	319	320
		3.1220 - STRAP, AIR CLEANER MOUNTING (CONT'D)												
	181395	BOLT, 7/16"-20X1" (12.9001)	8								4			
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)					4						4	
	181397	BOLT, 7/16"-20X1 1/4" (12.9001)					4							
	103341	WASHER, 3/8" FLAT (12.9190)												AR
	103342	WASHER, 7/16" FLAT (12.9190)					12							
	103321	LOCKWASHER, 3/8" (12.9200)												8
	103322	LOCKWASHER, 7/16" (12.9200)	8				8				4		8	
	117049	NUT, 3/8"-16 HEX. (12.9120)												8
	456939	NUT, 7/16"-20 HEX. (12.9120)	8				8				4		8	
		* FIG. 10B OF 4.0000.												
		3.1230 - BRACKET, AIR CLEANER MOUNTING												
	5122394	@ BRACKET	1											
	5129288	@ BRACKET (R.H.)	1											
	5129289	@ BRACKET (L.H.)	1											
#	5127053	BRACKET (R.H.)					1							
#	5127054	BRACKET (L.H.)					1						1	
#	5122403	BRACKET (R.H.)									1			
#	5122404	BRACKET (L.H.)									1			
	5137769	BRACKET (R.H.) (4.2440)											1	
	5125637	BRACKET (R.H.)												1
	5125638	BRACKET (L.H.)												1
	5111501	SPACER (7.1598)	4											
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)											1	
	5128235	BOLT, 3/8"-24X4 1/8" (12.9001)					4						2	4
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)											2	
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)									2			
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)									2			
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)					4				2		2	
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)												4
	181675	BOLT, 7/16"-20X1 1/4" (12.9001)	4											
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)	4											
	103341	WASHER, 3/8" FLAT (12.9190)					4							
	103321	LOCKWASHER, 3/8" (12.9200)					4							
	103322	BOLT, 3/8"-16X4 1/2" (12.9001)	4				4				2		AR	4
	103323	LOCKWASHER, 1/2" (12.9200)	4											
	456939	NUT, 7/16"-20 HEX. (12.9120)	4											4
	103028	NUT, 1/2"-20 HEX. (12.9120)	4											
		# FIG. 10A OF 5.0000.												
		@ OBSOLETE												
		3.1240 - SPACER, AIR CLEANER BRACKET												
	5127088	PLATE	1				1							
	5124178	PLATE, MOUNTING											1	
	5127076	PLATE, MOUNTING												1

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 272	275	280	281	287	292	296	297	307	317	319	320
		3.1240 - SPACER, AIR CLEANER BRACKET (CONT'D)												
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)					4						4	
	103322	LOCKWASHER, 7/16" (12.9200)					4						4	
	456939	NUT, 7/16"-20 HEX. (12.9120)					4						4	
		* FIG. 10B OF 4.0000.												
		3.1260 - PIPE, AIR CLEANER TO INLET HOUSING												
#	5125588	PIPE (INLET HOUSING)	1											
	5129295 *	PIPE (ELBOW) (DEV. L. 11.12")	1											
#	5123046	PIPE (INLET HOUSING)					1							
#	5125569	PIPE (INLET HOUSING)							1					
	5123473	PIPE (INLET HOUSING)									1			
	5126858	PIPE										1		
	5137794	PIPE (R.B.)											1	
	5137920	PIPE (L.B.)											1	
	5137798	PIPE											1	
	5125266	PIPE												1
	5137935	BRACKET											1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									6	6		
	186628 *	BOLT, 3/8"-16X1 1/2" (12.9001)	6				6		6					6
	103321	LOCKWASHER, 3/8" (12.9200)	6				6		6		6	6		6
		# FIG. 10A OF 5.0000.												
		* OBSOLETE												
		3.1261 - GASKET, AIR CLEANER INLET HOUSING PIPE												
	5123933	GASKET	1		1		1							
	5123750	GASKET (3.3007)				1			1		1	1		1
		3.1270 - HOSE, AIR INLET PIPE												
	5125281 @	HOSE (4"I.D.X4 1/2")												2
#	5108270 @	HOSE (5 1/2"I.D.X3 1/2")	3				2				3		5	
		# FIG. 10A OF 5.0000.												
		@ STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		3.1280 - CLAMP, AIR INLET PIPE HOSE												
	5113246	CLAMP (4 3/4"I.D.) (12.9660)												8
#	5114937	CLAMP (6"I.D.)	6				8				2		19	
		# FIG. 10A OF 5.0000.												

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 321	323	326	328	335	336	351	354	358	360	363	364
		3.1001 - AIR CLEANER ASSY.												
		SEE ASSY. BREAKDOWN AS SHOWN. *WHEN REPLACING AIR CLEANER ASSY.* REFER TO 3.1220 THRU 3.1240 FOR MTG. STRAPS, BRACKETS AND SPACERS.												
	5123925	AIR CLEANER ASSY. (12" DIA.) (PAGE A1)			2	2								
	5129866	* AIR CLEANER ASSY. (16" DIA.) (PAGE A1)	2				2	2					2	2
	5138886	AIR CLEANER ASSY. (16" DIA.) (PAGE A3)		4					4					
	5103260	@ AIR CLEANER ASSY.									1			
	5103607	AIR CLEANER ASSY.										2		
	181360	BOLT, 3/8"-24 X 3/4" (12.9001)									12	20		
	9413980	NUT, LOCK 3/8"-24									12	20		
		* FIG. 10B OF 4.0000.												
		@ INCLUDES GASKET.												
		3.1100 - PRE-CLEANER ASSY., AIR												
	5129934	HOOD (CAP)	2	4			2	2	2				2	2
	9241663	HOOD ASSY., INLET			2	2								
		3.1220 - STRAP, AIR CLEANER MOUNTING												
	5185800	STRAP (12" DIA.)			4	4								
	5129935	* STRAP (16" DIA.)	4	8			4	4	4				4	4
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)			8	8								
	181396	*BOLT, 7/16"-20X1 1/8" (12.9001)*	4				4	4						8
	103341	WASHER, 3/8" FLAT (12.9190)			AR	AR								
	103321	LOCKWASHER, 3/8" (12.9200)			8	8								
	103322	LOCKWASHER, 7/16" (12.9200)	8				8	8						8
	117049	NUT, 3/8"-16 HEX. (12.9120)			8	8								
	456939	NUT, 7/16"-20 HEX. (12.9120)	8				8	8						8
		* FIG. 10B OF 4.0000.												
		3.1230 - BRACKET, AIR CLEANER MOUNTING												
	5127053	# BRACKET (R.H.)	1		1									
	5127054	# BRACKET (L.H.)	1		1		1							
	5137769	*BRACKET (R.H.) (4.2440)*					1							
	5123048	BRACKET (R.H.)			1									
	5123049	BRACKET (L.H.)			1									
	5140280	@ BRACKET				2								
	5140832	BRACKET (R.H.)						1						
	5140833	BRACKET (L.H.)						1						
	5174085	SPACER, 15/32"X13/16"X3/8" (2.7960)				2								
	5175882	SPACER (4.4115)						6						2
	181370	BOLT, 3/8"-16 X 1 1/4" (12.9001)					1							
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)						2						
	186627	BOLT, 3/8"-24X1" (12.9001)					2							
	5128235	BOLT, 3/8"-24X4 1/8" (12.9001)	4			4	2							
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)					2							

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3212	3213	3226	3228	3335	3336	3515	3534	3584	3603	3634	3644
		3.1230 - BRACKET, AIR CLEANER MOUNTING (CONT'D)												
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)						6						6
	186317	BOLT, 3/8"-24X5" (12.9001)				2								
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	4				2							4
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)			4	2								
	181672	BOLT, 7/16"-20X1 3/4" (12.9001)				2								
	103321	LOCKWASHER, 3/8" (12.9200)						2						2
	103342	WASHER, 7/16" (12.9190)			4									
	103322	LOCKWASHER, 7/16" (12.9200)	AR		4	4	AR	AR						4
	117049	NUT, 3/8"-24 HEX. (12.9120)						2						2
	456939	NUT, 7/16"-20 HEX. (12.9120)	4			4								
		# FIG. 10A OF 5.0000.												
		@ NO LONGER AVAILABLE FOR SERVICE.												
		3.1240 - SPACER, AIR CLEANER BRACKET												
	5124178	PLATE, MOUNTING	1				1	1						1
	5127076	PLATE, MOUNTING			1	1								
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)	4				4	4						4
	103322	LOCKWASHER, 7/16" (12.9200)	4				4	4						4
	456939	NUT, 7/16"-20 HEX. (12.9120)	4				2	4						4
		3.1260 - PIPE, AIR CLEANER TO INLET HOUSING												
#	5125588	PIPE (INLET HOUSING)								1				
	5129295	* PIPE (ELBOW) (DEV. L. 11.12")	1											
	5137794	PIPE (R.B.)	1				1	1						1
	5137920	PIPE (L.B.)	1				1	1						1
	5125266	PIPE			1									
	5139225	PIPE					1	1						1
	5139324	SUPPORT, PIPE	1				1	1						1
	5140422	* SUPPORT				1								
	5140355	* CONNECTOR				1								
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)						1						1
	180120	BOLT, 3/8"-16X3/4" (12.9001)				1								
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			6	6				6				
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)						1						1
	103321	LOCKWASHER, 3/8" (12.9200)			6	6				6				
		# FIG. 10A OF 5.0000.												
		* OBSOLETE												
		3.1261 - GASKET, AIR CLEANER INLET HOUSING PIPE												
	5123933	GASKET								1				
	5123750	GASKET (3.3007)			1	1								

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3201	3203	3206	3208	3305	3306	3511	3514	3518	3600	3603	3604
		3.1270 - HOSE, AIR INLET PIPE												
	5125281	@ HOSE (4"I.D.X4 1/2")			4	4								
	5108270	# @ HOSE (5 1/2" I.D. X 3 1/2")	5				5	5						5
	5109929	TUBE (4"O.D.X5 1/2") (3.1260)			2	2								
		# FIG. 10A OF 5.0000.												
		@ STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		3.1280 - CLAMP, AIR INLET PIPE HOSE												
	5113246	CLAMP (4 3/4"I.D.) (12.9660)			16	16								
	5114937	# CLAMP (6" I.D.)	20				20	20						20
		# FIG. 10A OF 5.0000.												

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3668	3669	3701	3711
		3.1001 - AIR CLEANER ASSY.				
		SEE ASSY. BREAKDOWN AS SHOWN. WHEN REPLACING AIR CLEANER ASSY. REFER TO 3.1220 THRU 3.1240 FOR MTG. STRAPS, BRACKETS AND SPACERS.				
	8921037	AIR CLEANER ASSY. (PAGE A1)	2	1		
	8921038	AIR CLEANER ASSY. (PAGE A1)			1	2
	181360	BOLT, 3/8"-24X3/4" (12.9001)	24	12	12	24
	9413980	NUT, 3/8"-24 LOCK (12.9140)	24	12	12	24

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FIG	PART NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.1001 - AIR CLEANER ASSEMBLY														
	5110120	AIR CLEANER ASSY. (14" DONALDSON)						1								
	5113180	AIR CLEANER ASSY. (12" DONALDSON)		1												
	5114221	AIR CLEANER ASSY. (14" DONALDSON)	1													
	5123925	AIR CLEANER ASSY. (12" DONALDSON)							1							
	5127150	AIR CLEANER ASSY. (FARR)			1											
	5127170	AIR CLEANER ASSY. (FARR)				1										
	5127179	AIR CLEANER ASSY. (FARR)					1									
	5127363	AIR CLEANER ASSY. (14" DONALDSON)								1						
	5129866	AIR CLEANER ASSY. (16" DONALDSON)										1				
	9178764	AIR CLEANER ASSY. (14" DONALDSON)									1					
	8921037	AIR CLEANER ASSY. (FARR)											1			
	8921038	AIR CLEANER ASSY. (FARR)												1		
		3.1010 - CUP, AIR CLEANER														
	5195331	CUP (14" CLEANER)	1													
1A	**5195329**	CUP (12" CLEANER)		1												
1A	**9024612**	CUP (14" CLEANER)						1			1					
1B	**5196943**	CUP (12" CLEANER) (INNER OIL)							1							
1B	**5196944**	CUP (12" CLEANER) (OIL)							1							
	5196951	CUP (INNER)								1						
	5196952	CUP (OIL)								1						
1B	**5196957**	CUP (16" CLEANER) (INNER OIL)										1				
1B	**5196958**	CUP (16" CLEANER) (OIL)										1				
		3.1040 - SCREEN, AIR CLEANER														
	5195330	SCREEN (14" CLEANER)	1													
1A	**5195328**	SCREEN (12" CLEANER)		1												
1A	**9024611**	SCREEN (14" CLEANER)						1			1					
		3.1050 - ELEMENT, AIR CLEANER														
1C	**5196624**	ELEMENT (PAPER TYPE)			2		1									
1C	**5196625**	ELEMENT (PAPER TYPE)				1										
1B	**5196942**	ELEMENT (12" CLEANER)							1							
1B	**5196950**	ELEMENT (14" CLEANER)								1						
1C	**5149409**	ELEMENT (19" PAPER TYPE)											1	1		
1B	**5196956**	ELEMENT (16" CLEANER)										1				
		3.1055 - GASKET, AIR CLEANER SCREEN														
1A	**5193289**	GASKET (12" DIA.)		2												
1A	**5193159**	GASKET (14" DIA.)						2			2					
	9027701	GASKET (16" DIA.)										1				
		3.1070 - BOLT, AIR CLEANER														
1A	**5192998**	ROD ASSY		2												
1A	**9024610**	ROD ASSY., SIDE						2			2					
1B	**5196945**	ROD ASSY. (INCLUDES BOLT AND NUT)							2	2		3				

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.1070 - BOLT, AIR CLEANER (CONT'D)														
1C	**5196806**	FASTENER ASSY.			8											
1C	**5196162**	FASTENER ASSY.				8	8									
	5195327	CLAMP	1													
1B	**5197637**	BAND ASSY. (INCLUDES SCREW AND NUT)							1							
1B	**5197636**	BAND ASSY. (INCLUDES 5/16" BOLT AND NUT)										1				
1B	**5197634**	BAND, SIDE								1						
	5197820	SCREW (5/16"-18X1 1/2")							1							
	5197632	BOLT, 5/16"-18X1 1/2" SQ. HD.										1				
	103127	NUT, 1/4"-20 WING (12.9160)							2	2		3				
	9047564	NUT, 5/16"-18 SQUARE (12.9150)							1							
	120376	NUT, 5/16"-18 (12.9120)										1				

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.1001 - AIR CLEANER ASSY.														
	5129862	AIR CLEANER ASSY. (14" DIA.)	1													
	5138189	AIR CLEANER ASSY. (14" DIA.)			1											
	5138886	AIR CLEANER ASSY. (16" DIA.)		1												
		3.1010 - CUP, AIR CLEANER														
1B	**5196951**	CUP (INNER OIL)	1													
1B	**5196952**	CUP (OIL)	1													
	5196957	CUP (INNER OIL)		1												
	5196958	CUP (OIL)		1												
	5199167	CUP			1											
		3.1050 - ELEMENT, AIR CLEANER														
1B	**5196950**	ELEMENT (14" CLEANER)	1													
	5199165	ELEMENT (14" CLEANER)			1											
	5196956	ELEMENT (16" CLEANER)		1												
		3.1055 - GASKET, AIR CLEANER SCREEN														
	9027701	GASKET		1												
	5199168	GASKET			1											
		3.1070 - BOLT, AIR CLEANER														
1B	**5196945**	ROD ASSY. (INCLUDES BOLT AND NUT)	2	3												
1B	**5197634**	BAND, SIDE	2													
	5197636	BAND (INCLUDES 5/16" BOLT AND NUT)		1												
	5199166	CLAMP ASSY.			1											
	5197830	BOLT ASSY.			1											
	5197632	BOLT, 5/16"-18X1 1/2" SQ. HD.		1												
1B	**103127**	NUT, 1/4"-20 WING (12.9160)	2													
	123197	NUT, 5/16"-18 HEX. (12.9120)		1												

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3.2000A AIR SILENCER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 21	22	24	25	26	31	33	36	40	41	42	43
		3.2001 - SILENCER, AIR												
2A	**5189848**	SILENCER ASSY.	2		2		4							
2A	**5187177**	SILENCER ASSY.		2		2				4				
2A	**5134402**	SILENCER ASSY.							4					2
2A	**5136151**	SILENCER ASSY.									1	1		
	5106017	SILENCER ASSY.											2	
2A	**214265**	BOLT, 3/8"-16X3 3/4" (12.9001)	8	8	8	8	16			16				
	103341	WASHER, 3/8" FLAT (12.9190)	AR	AR	AR	AR	AR			AR				
2A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR			AR				
		3.2002 - ELEMENT, AIR SILENCER												
	6418452	ELEMENT (AC TYPE A167C) (3.2007)						2						
	6422214	ELEMENT (POLY-FOAM)							4		1	1	1	2
		3.2003 - COVER, AIR SILENCER												
	5113470	HOUSING (INNER HALF) (3.2001)						2						
	5130415	HOUSING (OUTER HALF)						2						
	186295	BOLT, 1/2"-13X5 1/2" (12.9001)						6						
	103343	WASHER, 1/2" FLAT (12.9190)						6						
		3.2007 - SCREEN, AIR SILENCER												
	1543776	* SCREEN	4	4	4	4	8							
	5115199	SCREEN						2						
	5151737	SPRING (2.7178)						2						
		* OBSOLETE												
		3.2008 - SCREEN, AIR SILENCER INSULATION												
	5113472	SCREEN, INSULATION (OUTER HALF)						2						
	5115196	SCREEN, INSULATION (INNER HALF)						2						
		3.2010 - SUPPORT, AIR SILENCER												
	5135442	BRACKET (R.B.)							2					
	5135568	BRACKET (L.B.)							2					
	5140826	BRACKET									1	1		
	5141970	BRACKET (R.B.)											1	
	5142284	BRACKET (WITH LIFTER EYE)											1	
	5143917	BRACKET (R.B.)												1
	5141250	BRACKET (L.B.)												1
	454933	BOLT, 7/16"-14X1-1/8" (12.9001)							8			2		4
	103341	WASHER, 3/8" (12.9190)											2	

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3.2000A AIR SILENCER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 21	22	24	25	26	31	33	36	40	41	42	43
		3.2010 - SUPPORT, AIR SILENCER (CONT'D)												
	103342	WASHER, 7/16" FLAT (12.9190)							AR					AR
	103322	LOCKWASHER, 7/16" (12.9200)							AR					AR
		3.2014 - STRAP, AIR SILENCER MOUNTING												
	5135422	STRAP							4					
	5181514	* STRAP (3.1220)									2	1	2	2
	179816	BOLT, 5/16"-18X3/4" (12.9001)												4
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)												2
	181595	BOLT, 5/16"-24X3/4" (12.9001)									4	2	4	
	181361	BOLT, 3/8"-24X7/8" (12.9001)							8					
	120393	WASHER, 5/16" (12.9190)												4
	103341	WASHER, 3/8" FLAT (12.9190)							8					
	106261	WASHER, 13/15" FLAT (12.9190)									2			
	103320	LOCKWASHER, 5/16" (12.9200)									AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)							8					
	220075	NUT, 5/16"-18 HEX. (12.9120)												4
	114493	NUT, 5/16"-24 HEX. (12.9120)									4	2	4	
	117049	NUT, 3/8"-24 HEX. (12.9120)							8					
		* NOT SERVICED, USE 5102560 PLUS (1) EACH OF 179826, 120376, AND 103320												
		3.2015 - ADAPTOR, AIR SILENCER												
	5122856	# ADAPTOR	1											
	5122987	* ADAPTOR		1										
	5162853	& ADAPTOR						2						
	5138450	ADAPTOR								2				
	179839	BOLT, 3/8"-16X1" (12.9001)	6	6										
	9409028	BOLT, 3/8"-16X1" AA LOCK (12.9001)								8				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						8						
	103341	WASHER, 3/8" FLAT (12.9190)	6	6										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR				AR						
		# NOT SERVICED; CONVERT TO AIR INLET HOUSING, 3.3000A, TYPE 227.												
		* NOT SERVICED; CONVERT TO AIR INLET HOUSING, 3.3000A, TYPE 235.												
		& OBSOLETE.												
		3.2023 - HOSE, AIR SILENCER OUTLET ELBOW												
	5132600	@ HOSE (5.50"I.D.X2.74"L.) (TURBO TO SILENCER) (5108270)							4					2
	5116939	HOSE (5.50"I.D.X3.50"L.)									2	1		
	5140996	HOSE (5.50"I.D.X7"L.)									2			

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3.2000A AIR SILENCER

PART NUMBER	NAME AND DESCRIPTION	TYPES 21	22	24	25	26	31	33	36	40	41	42	43
	3.2023 - HOSE, AIR SILENCER OUTLET ELBOW (CONT'D)												
5185782	@ HOSE (4" I.D. X 2.26" L.) (5125281)											2	
5140755	* PIPE									1			
	@ NOT SERVICED USE PART SHOWN CUT TO DESIRED LENGTH												
	* OBSOLETE												
	3.2024 - CLAMP, AIR SILENCER OUTLET ELBOW HOSE												
5118393	CLAMP (4 1/2" DIA.) (12.9660)											4	
5114937	CLAMP (5 1/2" DIA.) (3.1280)							16		8	2		4
	3.2030 - INSULATION, AIR SILENCER HOUSING												
5112665	INSULATION (OUTER HALF)						2						
5115197	INSULATION (INNER HALF)						2						

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3.2000A AIR SILENCER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 49	50	51	56	57
		3.2001 - SILENCER, AIR					
2A	5136151	SILENCER ASSY.		2		2	
	5134402	SILENCER ASSY.	2		2		2
	122017	BOLT, 5/16"-18X1" (12.9001)	4				4
	106261	WASHER, 5/16" (12.9190)	4				4
	103320	LOCKWASHER, 5/16" (12.9200)	4				2
	120376	NUT, 5/16"-18 (12.9120)	4				2
		3.2002 - ELEMENT, AIR SILENCER					
	6422214	ELEMENT (POLY-FOAM)	2	2	2	2	2
		3.2010 - SUPPORT, AIR SILENCER					
	5100785	BRACKET	2				
	5108196	BRACKET (R.B.)					1
	5148414	BRACKET		2			
	5108197	BRACKET (L.B.)					1
	5148328	BRACKET			2		
	5143917	BRACKET (R.B.)				1	
	5141250	BRACKET (L.B.)				1	
	5100784	SUPPORT	2				2
	5164225	STUD, 5/16"-18X1 7/16" (5.2020)	4				
	179838	BOLT, 3/8"-16X7/8" (12.9001)			2		
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				4	
	179860	BOLT, 7/16"-14X1 1/4" (12.9001)			4		
	103341	WASHER, 3/8" (12.9190)			2		
	103342	WASHER, 7/16" FLAT (12.9190)			AR	AR	
	106261	LOCKWASHER, 5/16" (12.9200)	4				
	103322	LOCKWASHER, 7/16" (12.9200)		AR	AR	AR	
		3.2014 - STRAP, AIR SILENCER MOUNTING					
	5181514	* STRAP (3.1220)	2	2	2		
	5102560	STRAP (3.1220)				2	2
	179816	BOLT, 5/16"-18X3/4" (12.9001)		4	4		
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)	2				
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		2	2		
	179826	BOLT, 5/16"-18X2" (12.9001)				2	2
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		4			
	120393	WASHER, 5/16" (12.9190)		4	4	4	
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR
	220075	NUT, 5/16"-18 HEX. (12.9120)		4	4	AR	
	120376	NUT, 5/16"-18 (12.9120)	2			2	4
		* NOT SERVICED, USE 5102560 PLUS (1) EACH OF 179826, 120376, AND 103320.					
		3.2023 - HOSE, AIR SILENCER OUTLET ELBOW					
	5132600	@ HOSE (5.50"I.D.X2.74"L.) (5108270)		3	2	2	
	5101012	REDUCER, HOSE 5 1/2" TO 4" I.D.	2				2
	5148394	TUBE (5.50"O.D.X17.50L.)		1			
	5148404	ELBOW		2			

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3.2000A AIR SILENCER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4909	5050	5051	5056	5057
		3.2023 - HOSE, AIR SILENCER OUTLET ELBOW (CONT'D)					
	5133245	GASKET (3.1261)		2			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		12			
	103319	LOCKWASHER, 3/8" (12.9200)		12			
		@ NOT SERVICED; USE PART SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.					
		3.2024 - CLAMP, AIR SILENCER OUTLET ELBOW HOSE					
	5118393	CLAMP (4 1/2" DIA.)	2		4		2
	5114937	CLAMP (5 1/2" DIA.) (3.1280)	2	6		4	2

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 150	151	152	157	167	182	183	191	192	197	200	201
		3.3001 - HOUSING ASSY., AIR INLET												
		▪ FOR TYPE 168 USE TYPE 511.▪ A HOUSING ASSY. INCLUDES ITEMS IN 3.3003, 3.3035, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.												
3B	5123644	HOUSING ASSY. (6-8-16V)	1	1										
	5123650	+ HOUSING ASSY. (12V)			1									
	5124242	HOUSING ASSY. (12V)				1								
3B	5147666	+ HOUSING ASSY. (6V)					1							
	5124964	+ HOUSING ASSY. (12V)						1						
3B	5124963	+ HOUSING ASSY. (6-8V)							1					
	5127754	+ HOUSING ASSY. (6-8V)								1				1
	5127900	HOUSING ASSY. (6V)									1			
	5127752	+ HOUSING ASSY. (12V)										1		
	5147173	HOUSING ASSY. (6V)											1	
		+ NOT SERVICED, USE COMPONENTS PLUS SD-266.												
		3.3003 - HOUSING, AIR INLET												
3A	5123608	HOUSING (HORIZONTAL INLET)	1	1					1	1				1
3A	5122690	HOUSING (HORIZONTAL INLET)			1	1		1				1		
	5131763	HOUSING (VERTICAL OUTLET)					1							
	5127431	+ HOUSING									1			
	5137389	HOUSING											1	
	9421747	*PLUG, 5/8" CUP (12.9320)*	1	1	1	1	1	1	1	1	1	1	1	1
3A	5121182	PLUG, 1/4" PIPE (12.9550)	2	2	1			1	2	2	2	1	2	1
A	5142549	PLUG, 3/4" PIPE (12.9550)											1	
A	186676	BOLT, 1/4"-20X5/8" (12.9001)				1		1						
3A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4	4	4	4	4	4	4	4		4		4
3A	179850	BOLT, 3/8"-16X2 3/4" (12.9001)			2	2		2				2		
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)									3			
3A	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	2	2			2		2	2			3	2
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)									3			
	9418964	BOLT, 3/8"-16X5" (12.9001)											3	
3A	120392	WASHER, 1/4" FLAT (12.9190)			AR	AR		AR						
	103341	WASHER, 3/8" FLAT (12.9120)		AR		AR								
3A	103321	*LOCKWASHER, 3/8" (12.9200)*	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		+ OBSOLETE, NO REPLACEMENT.												
		3.3004 - ADAPTOR, AIR INLET HOUSING												
3A,B	5144122	ADAPTOR, 6V-71	1											
3A,B	5109138	# ADAPTOR, 6V-71					1			1				
3A,B	5123610	ADAPTOR, 8V-71		1					1					1
	5117572	* ADAPTOR, 12V-71			1	1		1				1		
3A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	6	6	8	8	6	8	6	6		7		5

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 150	151	152	157	167	182	183	191	192	197	200	201
		3.3004 - ADAPTOR, AIR INLET HOUSING (CONT'D)												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										1		1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			4	4		4				4		
	103341	WASHER, 3/8" FLAT (12.9190)	AR	AR	AR	AR	AR	AR	AR	AR		AR		AR
3A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR		AR		AR
		# NOT SERVICED, USE 1-5144122 ADAPTOR AND INCLUDE 1-445751 PLUG TO INSURE INTERCHANGEABILITY.												
		* NOT SERVICED, USE 1-5144121 ADAPTOR AND INCLUDE 1-445751 PLUG TO INSURE INTERCHANGEABILITY.												
		3.3010 - GASKET, AIR INLET HOUSING												
3A	5123703	GASKET	1	1			1		1	1				1
3A	5122692	GASKET			1	1		1				1		
		3.3020 - PLATE, AIR INLET HOUSING STRIKER												
	5128838	PLATE											1	
		3.3030 - GASKET, AIR INLET HOUSING STRIKER PLATE												
	5145235	GASKET											1	
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
3A	5123684	VALVE	1	1			1		1	1				1
3A	5117315	VALVE			1	1		1				1		
	5123581	VALVE									2		2	
3A	455862	PIN, 1/8"X11/16" ROLL (12.9300)	2	2	4	4	2	4	2	2	4	4	4	2
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN												
3A	5122296	SHAFT (7.54"L.)	1	1			1		1					
3A	5126340	SHAFT (7.68"L.)								1				1
3A	5117249	SHAFT (9.48"L.)			1	1		1						
3A	5126339	SHAFT (9.66"L.)										1		
3A	5128226	SHAFT (13.64"L.)									1		1	
3A,C	455862	PIN, 1/8"X11/16" ROLL (12.9300)	1	1	1		1	1	1		1	1	1	1
	5198564	* BUSHING	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A	103341	WASHER, 3/8" FLAT (12.9190)	1	1	1	1		1	1					
	5156612	WASHER (11/16"O.D.X.44"I.D.X.38")	1	1			1				1		1	

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 150	151	152	157	167	182	183	191	192	197	200	201
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN (CONT'D)												
		* USED TO REWORK SHAFT HOLES IN AIR INLET HOUSINGS.												
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT												
3A,C	5179232	RING, SEAL (2.4225)	2	2	2	2	2	2	2	2	2	2	2	2
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION												
3A,C	5111904	SPRING (VALVE)	1	1	1	1	1	1	1	1	1	1	1	1
3A	5123743	SPRING (LATCH)	1	1	1	1	1							
3A	5124962	SPRING (LATCH)						1	1					
3A,C	5114124	SPRING (LATCH)								1		1		1
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
3A,C	5112785	LATCH	1	1	1	1				1	1	1	1	1
3A,C	5114727	LATCH					1	1	1					
3A,C	5143836	BUSHING, ECCENTRIC		1										
3A,C	5113633	SPACER	1	1	1	1	1	1	1	1	1	1	1	1
3A,C	180034	BOLT, 1/4"-20X1 1/2" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
3A,C	120392	WASHER, 1/4" FLAT (12.9190)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A,C	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		3.3094 - KIT, UNITIZED AIR SHUTDOWN												
		A KIT CONSISTS OF ITEMS IN 3.3094.												
	5198310	+ KIT, CONVERSION, MARINE		AR										
	5198309	? KIT, CONVERSION, MARINE			AR									
	5137677	+ SHAFT (3.3050)		1	1									
	5136192	COUPLING (3.3090)		2	2									
	5147640	LEVER		1	1									
	179796	BOLT, 1/4"-20X7/8" (12.9001)		1	1									
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)		4	4									
	103319	LOCKWASHER, 1/4" (12.9200)		1	1									
	103320	LOCKWASHER, 5/16" (12.9200)		4	4									
	5137715	* TUBE ASSY. (4.8001)		1										
	5121894	GASKET (4.8020)		1										
	179839	BOLT, 3/8"-16X1" (12.9001)		2										
	103341	WASHER, 3/8" FLAT (12.9190)		1										

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 150	151	152	157	167	182	183	191	192	197	200	201
		3.3094 - KIT, UNITIZED AIR SHUTDOWN (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)		2										
		* REMOVE BREATHER TUBE FROM FRONT OF BLOCK AND REPLACE WITH 5137715.												
		+ OBSOLETE.												
		? NOT SERVICED, USE COMPONENTS.												
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET												
3A,C	5114974	HANDLE ASSY.	1	1	1	1	1	1	1		1		1	
	5127443	LEVER								1		1		1
3A,C	5122623	CAM												1
3A,C	5122982	CAM	1	1	1	1	1	1	1	1	1	1	1	
	455862	PIN, 1/8"X11/16" ROLL (12.9300)								1				1
	453676	PIN, 1/8"X1" ROLL (12.9300)								1		1		1
	103342	WASHER, 7/16" FLAT								AR		AR		AR
		3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN CONTROL												
		CUSTOMER MUST DETERMINE PROPER WIRE AND ATTACHING PARTS REQUIRED FOR AN INSTALLATION.												
@	5146240	WIRE ASSY. (50" L.)	1					1	1	1		1		
@	5146239	WIRE ASSY. (90" L.) (2.9422)	1	1	1	1	1							
@	5146946	WIRE ASSY. (7 1/4" L.)		1						1		1		
@	5146241	WIRE ASSY. (COATED) (90" L.)		1								1		
	103341	WASHER, 3/8" FLAT (12.9190)	1	1	1	1	1	1	1	1		1		
	110730	LOCKWASHER, 3/8" (12.9200)	1	1	1	1	1	1	1	1		1		
	122236	NUT, 3/8"-24 HEX. (12.9120)	1	1	1	1	1	1	1	1		1		
		@ FIG. 8A OF 2.0000.												
		3.3260 - PLATE, AIR INLET HOUSING SHUTDOWN CONTROL												
	5186687	PLATE, NAME (STOP)	1	1	1	1	1	1	1	1		1		
	132105	SCREW, #10-32 (12.9025)	1	1	1	1	1	1	1	1		1		
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE												
	3290569	CLIP (7.8320)	1	1	1	1	1							
	5161896	CLIP (NEOPRENE COATED) (7.8320)	1					1	1	1				
	5163538	CLIP (NEOPRENE COATED) (7.8320)	1											
	5124802	CLIP (USE WITH HYDRAULIC GOVERNOR)			1			1	1	1				

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 150	151	152	157	167	182	183	191	192	197	200	201
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE(CONT'D)												
	5125944	CLIP		2						2		2		
	3796374	STOP	1	1	1	1	1	1	1	1		1		
	140855	SCREW, #8-32X5/16" SET (12.9076)	1	1	1	1	1	1	1	1		1		
	110881	SCREW, #10-24X7/16" (12.9010)								1		1		
	180016	BOLT, 1/4"-20X1/2" (12.9001)	1											
	123298	BOLT, 1/4"-28X3/8" (12.9001)	1	1	1	1	1							
	179838	BOLT, 3/8"-16X5/8" (12.9001)	2					2	2	2				
	120393	WASHER, 5/16" FLAT (12.9190)	1	1	1	1	1							
	120217	LOCKWASHER, #10 (12.9200)								1		1		
	103319	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR				
	103321	LOCKWASHER, 3/8" (12.9200)	1											
	103323	LOCKWASHER, 1/2" (12.9200)	1											
	121902	NUT, 1/4"-28 HEX. (12.9120)	1	1	1	1	1							
	110633	NUT, #10-24 HEX. (12.9120)								1		1		

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 203	204	207	208	209	216	217	218	223	224	227	235
		3.3001 - HOUSING ASSY., AIR INLET												
		A HOUSING ASSY. INCLUDES ITEMS IN 3.3003, 3.3035, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.												
3B	**5123644**	HOUSING ASSY. (6-8V)				1					1	1		
	5123650	+ HOUSING ASSY. (12V)			1									
	5127754	+ HOUSING ASSY. (6-8V)		1			1							
	5128913	HOUSING ASSY. (6-12V)											2	
3C	**5128914**	HOUSING ASSY. (8-16V)												2
		+ NOT SERVICED, USE COMPONENTS PLUS SD-266.												
		3.3003 - HOUSING, AIR INLET												
3A	**5123608**	HOUSING (HORIZONTAL INLET)		1		2	1				1	1		
3A	**5122690**	HOUSING (HORIZONTAL INLET)			1									
	5128031	HOUSING	1											
3C	**5129082**	HOUSING (FOR 2 AIR SILENCERS)											2	
3C	**5129084**	HOUSING (FOR 2 AIR SILENCERS)												2
	103196	STUD, 3/8"X1 9/16" (12.9118)												8
	9421747	PLUG, 5/8" CUP (12.9320)	1	1	1	1	1	1	1	1	1	1	1	1
3A	**5121182**	PLUG, 1/4" PIPE (12.9550)		1	1		1				1			
	5125237	PLUG, 1/4" PIPE HEX. HD. (1.2001)	2											
3C	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)											8	4
3A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)		4	4	8	4				4	4		
3A	**179850**	BOLT, 3/8"-16X2 3/4" (12.9001)			2									
	190911	BOLT, 3/8"-16X2 7/8" (12.9001)	3											
3C	**179851**	BOLT, 3/8"-16X3" (12.9001)											4	4
3A	**186283**	BOLT, 3/8"-16X3 1/2" (12.9001)		2		2	2				2	2		
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)	3											
3A	**120392**	WASHER, 1/4" FLAT (12.9190)			1									
	103341	WASHER, 3/8" FLAT (12.9190)			AR						AR	AR	AR	
3A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR				AR	AR	AR	AR
	120380	LOCKWASHER, 1/4" (12.9200)										AR		
	117049	NUT, 3/8"-24 HEX. (12.9120)												8
		3.3004 - ADAPTOR, AIR INLET HOUSING												
	NPN	ADAPTOR (CUSTOMER FURNISHED)				1								
3A,B	**5109138**	# ADAPTOR, 6V-71										1		
3A,B	**5123610**	ADAPTOR, 8V-71		1			1				1			
	5117572	* ADAPTOR, 12V-71			1									
2A	**5122856**	@ ADAPTOR, AIR SILENCER (3.2015)						1		2				
2A	**5122987**	& ADAPTOR, AIR SILENCER (3.2015)							1					
	179839	BOLT, 3/8"-16X1" (12.9001)						6	6	12				
3A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)		6	8	6	6				6	6		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			4									

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 203	204	207	208	209	216	217	218	223	224	227	235
		3.3004 - ADAPTOR, AIR INLET HOUSING (CONT'D)												
	103341	WASHER, 3/8" FLAT (12.9190)		AR	AR	AR	AR	AR	AR	AR	AR	AR		
3A	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR		
		# NOT SERVICED, USE 1-5144122 ADAPTOR AND INCLUDE 1-445751 PLUG TO INSURE INTERCHANGEABILITY.												
		* NOT SERVICED, USE 1-5144121 ADAPTOR AND INCLUDE 1-445751 PLUG TO INSURE INTERCHANGEABILITY.												
		@ NOT SERVICED, REPLACE WITH 5128913 HOUSING ASSY. AND *INCLUDE 4-186619 BOLTS, 2-179851* BOLTS AND 1-103878 PLUG.												
		& NOT SERVICED, REPLACE WITH 5128914 HOUSING ASSY. AND INCLUDE 4-186619 BOLTS, 2-179815 *BOLTS AND 5121182 PLUG.*												
		3.3010 - GASKET, AIR INLET HOUSING												
3A	5123703	GASKET		1		1	1				1	1		
3A	5122692	GASKET			1									
	5123750	GASKET (3.1261)									1			
	5145235	GASKET (STRIKER PLATE) (3.3030)											2	
	5145086	GASKET (STRIKER PLATE) (3.3030)												2
		3.3020 - PLATE, AIR INLET HOUSING STRIKER												
	5128838	PLATE											2	
	5128839	PLATE												2
		3.3035 - VALVE ASSY., AIR SHUTDOWN												
		INCLUDES ITEMS IN 3.3040.												
	5128836	VALVE ASSY.											4	
	5128837	VALVE ASSY.												4
3C	455862	PIN, 1/8"X11/16" ROLL (12.9300)											8	8
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
3A	5123684	VALVE		1		1	1				1	1		
3A	5117315	VALVE		1										
3C	5128841	VALVE											4	
3C	5128840	VALVE												4

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 203	204	207	208	209	216	217	218	223	224	227	235
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN (CONT'D)												
3C	5128842	HINGE, VALVE											4	4
3C	5128046	SPRING, HINGE (3.3070)											4	4
3C	9416147	PIN, HINGE (3.3070)											4	4
3A	455862	PIN, 1/8"X11/16" ROLL (12.9300)		2	4	2	2				1	1		
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN												
3A	5122296	SHAFT (7.54"L.)				1					1	1		
3A	5126340	SHAFT (7.68"L.)		1			1							
3A	5117249	SHAFT (9.48"L.)			1									
3C	5128863	SHAFT (12.50"L.)											2	
3C	5128862	SHAFT (16.28"L.)												2
3A,C	455862	PIN, 1/8"X11/16" ROLL (12.9300)		1	1	1	1				1	1	4	4
	5198564	* BUSHING		AR	AR	AR	AR				AR	AR	AR	AR
3A	103341	WASHER, 3/8" FLAT (12.9190)			1	1					1	1		
	5150238	WASHER, 7/16"X13/16"											AR	AR
	5156612	WASHER (11/16"O.D.X.44"I.D.X.38")				1					1	1		
		* USED TO REWORK SHAFT HOLES IN AIR INLET HOUSINGS.												
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT												
3A,C	5179232	RING, SEAL (2.4225)		2	2	2	2				2	2	4	4
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION												
3A,C	5111904	SPRING (VALVE)		1	1	1	1				1	1	4	4
3A	5123743	SPRING (LATCH)			1	1					1	1		
3A,C	5114124	SPRING (LATCH)		1			1						1	1
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
3A,C	5112785	LATCH		1	1	1	1				1	1		
3A,C	5109673	LATCH											2	2
3A,C	5113633	SPACER		1	1	1	1				1	1	1	2
3A,C	180034	BOLT, 1/4"-20X1 1/2" (12.9001)		1	1	1	1				1	1	1	2
3A,C	120392	WASHER, 1/4" FLAT (12.9190)		AR	AR	AR	AR				AR	AR	AR	AR
3A,C	120380	LOCKWASHER, 1/4" (12.9200)		AR	AR	AR	AR				AR	AR	AR	AR
		3.3094 - KIT, UNITIZED AIR SHUTDOWN												
		A KIT CONSISTS OF ITEMS IN 3.3094.												
	5198310	KIT, CONVERSION, MARINE												AR
	5137677	+ SHAFT (3.3050)												1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 203	204	207	208	209	216	217	218	223	224	227	235
		3.3094 - KIT, UNITIZED AIR SHUTDOWN (CONT'D)												
	5136192	COUPLING (3.3090)												2
	5147640	LEVER												1
	179796	BOLT, 1/4"-20X7/8" (12.9001)												1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)												4
	103319	LOCKWASHER, 1/4" (12.9200)												1
	103320	LOCKWASHER, 5/16" (12.9200)												4
	5137715	* TUBE ASSY. (4.8001)												1
	5121894	GASKET (4.8020)												1
	179839	BOLT, 3/8"-16X1" (12.9001)												2
	103341	WASHER, 3/8" FLAT (12.9190)												1
	103321	LOCKWASHER, 3/8" (12.9200)												2
		* REMOVE BREATHER TUBE FROM FRONT OF BLOCK AND REPLACE WITH 5137715.												
		+ OBSOLETE.												
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET												
3A,C	5114974	HANDLE ASSY.			1	1					1	1	1	2
	5127443	LEVER		1			1							
3A,C	5122982	CAM		1	1	1	1				1	1	1	1
	455862	PIN, 1/8"X11/16" ROLL (12.9300)		1										
	453676	PIN, 1/8"X1" ROLL (12.9300)		1			1							
	103342	WASHER, 7/16" FLAT		AR			AR							
		3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN CONTROL												
		CUSTOMER MUST DETERMINE PROPER WIRE AND ATTACHING PARTS REQUIRED FOR AN INSTALLATION.												
@	5146240	WIRE ASSY. (50" L.)		1	1									
@	5146241	WIRE ASSY. (COATED) (90" L.)		1										
	110730	LOCKWASHER, 3/8" (12.9200)		1	1									
	122236	NUT, 3/8"-24 HEX. (12.9120)		1	1									
		@ FIG. 8A OF 2.0000.												
		3.3260 - PLATE, AIR INLET HOUSING SHUTDOWN CONTROL												
	5186687	PLATE, NAME (STOP)		1	1									
	132105	SCREW, #10-32 (12.9025)		1	1									
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE												
	3290569	CLIP (7.8320)			1									
	5124802	CLIP (USE WITH HYDRAULIC GOVERNOR)		1										
	5159738	CLIP (7.8320)			1									

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 203	204	207	208	209	216	217	218	223	224	227	235
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE(CONT'D)												
	5130216	BRACKET			1									
	3796374	STOP		1	1									
	140855	SCREW, #8-32X5/16" SET (12.9076)		1	1									
	132908	SCREW, #10-32X1/2" (12.9010)			1									
	180016	BOLT, 1/4"-20X1/2" (12.9001)		1	1									
	123298	BOLT, 1/4"-28X3/8" (12.9001)		1	1									
	120217	LOCKWASHER, #10 (12.9200)			1									
	103319	LOCKWASHER, 1/4" (12.9200)		AR	AR									
	121902	NUT, 1/4"-28 HEX. (12.9120)		1	1									
	120614	NUT, #10-32 HEX. (12.9120)			1									

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 240	247	250	251	258	261	265	266	268	269	270	271
		3.3001 - HOUSING ASSY., AIR INLET												
		A HOUSING ASSEMBLY INCLUDES ITEMS IN 3.3003, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.												
	NPN	HOUSING ASSY. (CUSTOMER FURNISHED)											1	
	5127752	* HOUSING ASSY. (12V)		1										
	5179184	HOUSING ASSY. (6-8V)			1	1				1				
3B	5123644	HOUSING ASSY. (FRONT) (6-12-16V)					1	2						1
3B	5131764	* HOUSING ASSY. (16V)							2					
	5127754	* HOUSING ASSY. (6-8V)									1			
3B	5147666	* HOUSING ASSY. (16V)										2		
3B	5133651	* HOUSING ASSY. (REAR) (16V)												1
		3.3003 - HOUSING, AIR INLET												
	5108346	HOUSING	1											
3A	5122690	HOUSING (HORIZONTAL INLET)		1										
	5173876	HOUSING (WITH 3/4" TAPPED HOLE)			1	1				1				
3A	5123608	HOUSING (HORIZONTAL INLET)					1	2			1			1
	5131763	HOUSING (VERTICAL INLET)							2			2		1
	9421747	PLUG, 5/8" CUP (12.9320)	1	1	1	1	1	1	1	1	1	1	1	1
	5125237	PLUG, 1/4" PIPE HEX. SOC. (1.2001)	1											
3A	5121182	PLUG, 1/4" PIPE (12.9550)		1			2	2	2		2			2
	5142549	PLUG, 3/4" PIPE (12.9550)			1	1				1				
3A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		4	4	4	4	8	10	4	4	8		8
3A	179850	BOLT, 3/8"-16X2 3/4" (12.9001)		2										
	190911	BOLT, 3/8"-16X2 7/8" (12.9001)	3											
A	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			2	2	2	4	4	2	2	4		4
	214265	* BOLT, 3/8"-16X3 3/4" (12.9001)	3											
3A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR
		* OBSOLETE, NO REPLACEMENT.												
		3.3004 - ADAPTOR, AIR INLET HOUSING												
	5117572	* ADAPTOR, 12V-71		1										
3A,B	5144122	ADAPTOR, 6V-71			1			2						
3A,B	5123610	ADAPTOR, 8V-71				1			2	1		2	1	2
3A	5109138	# ADAPTOR, 6V-71					1				1			
3A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		7	6	6	6	12	12	6	6	12	6	12
	186822	BOLT, 3/8"-16X1 1/4" (12.9001)		1										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		4										
	103341	WASHER, 3/8" FLAT (12.9190)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED; USE 1-5144121 ADAPTOR AND INCLUDE 1-445751 PLUG.												
		# NOT SERVICED; USE 1-5144122 ADAPTOR AND INCLUDE 1-445751 PLUG.												

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 240	247	250	251	258	261	265	266	268	269	270	271
		3.3010 - GASKET, AIR INLET HOUSING												
3A	5122692	GASKET		1										
3A	5123703	GASKET			1	1	1	2	2	1	1	2	1	2
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
3A	5117315	VALVE		1										
3A	5123684	VALVE			1	1	1	2	2	1	1	2		2
3A	455862	PIN, 1/8"X11/16" ROLL (12.9300)		2	2	2	2	4	4	2	2	4		4
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN												
3A	5122296	SHAFT (7.54"L.)			1	1	1	2	2	1		2		2
3A	5126340	SHAFT (7.68"L.)									1			
3A	5126339	SHAFT (9.66"L.)		1										
3A	455862	PIN, 1/8"X11/16" ROLL (12.9300)		1	1	1	1	1	1	1	1	1		1
3A	453676	PIN, 1/8"X1" ROLL (12.9275)							1					1
	5198564	* BUSHING			2	2	2	4	4	2	2	4		4
3A	5146261	SPACER, 1"O.D.X.44"I.D.X.38"							1					1
3A	103341	WASHER, 3/8" FLAT (12.9190)					AR	AR						
3A	5156612	WASHER, 11/16"O.D.X.44"I.D.X.38"			AR	AR			AR	AR		AR		
		* REQUIRED TO REWORK SHAFT HOLES IN AIR INLET HOUSINGS.												
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT												
3A	5179232	RING, SEAL (2.4225)		2	2	2	2	4	4	2	2	4		4
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION												
3A,B	5111904	SPRING (VALVE)		1	1	1	1	2	2	1	1	2		2
3A	5114124	SPRING (LATCH)		1							1			
3A	5123743	SPRING (LATCH)			1	1	1	2	2	1		2		2
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
3A,B	5112785	LATCH (WITH HORIZONTAL HOUSING)		1	1	1	1	2	2	1	1			1
3A,C	5114727	LATCH										2		1
3A	5113633	SPACER, 17/64"X7/8"		1			1	2	2		1	2		2
	5143836	BUSHING, ECCENTRIC			1	1				1				
3A,B	180034	BOLT, 1/4"-20X1 1/2" (12.9001)		1			1	2	2		1	2		2
3A	179803	BOLT, 1/2"-20X1 3/4" (12.9001)			1	1				1				

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 240	247	250	251	258	261	265	266	268	269	270	271
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE (CONT'D)												
3A	120392	WASHER, 1/4" FLAT (12.9190)		AR			AR	AR	AR		AR	AR		AR
3A	120380	LOCKWASHER, 1/4" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR		AR
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET												
	5127443	LEVER		1							1			
3A,B	5114974	HANDLE ASSY.			1	1	1	2	2	1		2		2
3A,B	5122982	CAM		1	1	1	1	2	2	1	1	2		2
	455862	PIN, 1/8"X11/16" ROLL (12.9300)		1										
	453676	PIN, 1/8"X1" ROLL (12.9275)		1							1			
	103342	WASHER, 7/16" FLAT (12.9190)		AR							AR			
		3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN CONTROL												
		CUSTOMER MUST DETERMINE PROPER WIRE AND ATTACHING PARTS REQUIRED FOR AN INSTALLATION.												
	5146240	WIRE ASSY. (50"L.)					1							
	5146239	WIRE ASSY. (90"L.) (2.9422)						2				2	1	
	110730	LOCKWASHER, 3/8" (12.9200)					1	1				2	1	
	124925	NUT, 3/8"-24 HEX. (12.9120)					1	1				2	1	
		* FIG. 10B OF 8.0000.												
		3.3260 - PLATE, AIR INLET HOUSING SHUTDOWN CONTROL												
	5186687	PLATE, NAME (STOP)					1	1				2	1	
	132105	SCREW, #10-32X3/8" (12.9025)					1	1				2	1	
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE												
	3290569	CLIP (7.8320)					1	1				2	1	
	3796374	STOP (2.9426)					1	2				2	1	
	140855	SCREW, #8-32X5/16" SET (12.9076)					1	1				2	1	
	123298	BOLT, 1/4"-28X3/8" (12.9001)					1	1				2	1	
	120393	WASHER, 5/16" FLAT (12.9190)					1	1				2	1	
	120380	LOCKWASHER, 1/4" (12.9200)					AR	AR				AR	AR	
	121902	NUT, 1/4"-28 HEX. (12.9120)					1	1				2	1	

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 277	278	281	284	292	293	299	300	301	303	305	307
		3.3001 - HOUSING ASSY., AIR INLET												
		▪ FOR TYPE 296 USE 435.▪ A HOUSING ASSEMBLY INCLUDES ITEMS IN 3.3003, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.												
	NPN	HOUSING ASSY. (CUSTOMER FURNISHED)	1											
	5179184	HOUSING ASSY. (8V)												1
3B	5147666	HOUSING ASSY. (12V)		2										
3B	5133651	HOUSING ASSY. (REAR) (8-12-16V)			2	1								
3B	5123644	HOUSING ASSY. (16V)					2							
3B	5134749	HOUSING ASSY. (8V)						1						
3B	5135009	* HOUSING ASSY. (FRONT) (16V)							1					
3B	5137262	HOUSING ASSY. (REAR) (16V)							1					
3B	5128702	HOUSING ASSY. (8V)								1				
3B	5135893	HOUSING ASSY. (FRONT) (16V)								1				
3B	5123644	HOUSING ASSY. (REAR) (16V)									2			
3B	5135469	HOUSING ASSY. (16V)										1		
3B	5135059	HOUSING ASSY. (8V)												
		* NOT SERVICED; USE 5137263.												
		3.3003 - HOUSING, AIR INLET												
	5173876	HOUSING (WITH 3/4" TAPPED HOLE)												1
3A	5123608	HOUSING (HORIZONTAL INLET)					2			1	2			
	5131763	HOUSING (VERTICAL INLET)		2	2	1		1						
	5134036	HOUSING (HORIZONTAL INLET)							2					
3A	5134834	* HOUSING										2		
3A	5135470	HOUSING											1	
3A	5134999	HOUSING						1						
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)	1	1	1	1	1	1	1	1	1	1	1	1
	9421747	PLUG, 5/8" CUP (12.9320)					2	1		1				
3A	5121182	PLUG, 1/4" PIPE (12.9550)						1					1	
	5142549	PLUG, 3/4" PIPE (12.9550)						AR						
	5136240	PLUG,							8					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		10	8	4	10	4		4	8	8	4	4
3A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		4	4	2	4	2		2	4	4	2	2
3A	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A	103321	LOCKWASHER, 3/8" (12.9200)												
		* OBSOLETE.												
		3.3004 - ADAPTOR, AIR INLET HOUSING												
3A,B	5144122	ADAPTOR, 6V-71	1											
3A,B	5123610	ADAPTOR, 8V-71				1	2	1		1	2	2	1	1
3A	5109138	# ADAPTOR, 6V-71		2	2									
3A	5134835	ADAPTOR, 8V-71							2					
	5121182	PLUG, 1/4" PIPE (SQ. HD.) (12.9550)							2			2		

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 277	278	281	284	292	293	299	300	301	303	305	307
		3.3004 - ADAPTOR, AIR INLET HOUSING (CONT'D)												
	5115214	PLUG, 1/2" PIPE (12.9550)												
3A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	6	12	12	6	12	6	12	5	2 12	2 12	6	6
	5128639	BOLT, 3/8"-16X2" (3.3270)								1				
	103341	WASHER, 3/8" FLAT (12.9190)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
3A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	102635	NUT, 3/8"-16 HEX. (12.9120)								1				
		# NOT SERVICED; USE 1-5144122 ADAPTOR AND INCLUDE 1-445751 PLUG.												
		3.3010 - GASKET, AIR INLET HOUSING												
3A	5123703	GASKET	1	2	2	1	2	1	2	1	2	2	1	1
3A	5134838	GASKET												
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
3A	5123684	VALVE		2	2	1	2	1	2	1	2	2	1	1
3A	5134836	VALVE												
3A	455862	PIN, 1/8"X11/16" ROLL (12.9300)		2	4	2	4	2	4	2	4	4	2	2
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN												
3A	5122296	SHAFT (7.54"L.)		2	2	1	2	1			2	2	1	1
3A	5126340	SHAFT (7.68"L.)								1				
3A	5114168	SHAFT (9.00"L.)							2					
3A	455862	PIN, 1/8"X11/16" ROLL (12.9300)		1	1	1	1		1	1	3	1		1
3A	453676	PIN, 1/8"X1" ROLL (12.9275)			1			1	1			1	1	
	5198564	* BUSHING		4	4	2	4	2	4	2	4	4	2	2
	5145602	BUSHING							2					
3A	5146261	SPACER, 1"O.D.X.44"I.D.X.38"			1			1	1		1	1	1	
3A	103341	WASHER, 3/8" FLAT (12.9190)							AR					
3A	103342	WASHER, 7/16" FLAT (12.9190)									3			
3A	5156612	WASHER, 11/16"O.D.X.44"I.D.X.38"		AR		AR	AR		AR			AR		AR
		* REQUIRED TO REWORK SHAFT HOLES IN AIR INLET HOUSINGS.												
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT												
3A	5179232	RING, SEAL (2.4225)		4	4	2	4	2		2	2		2	2
3A	5135594	RING, SEAL							4		2			
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION												
3A,B	5111904	SPRING (VALVE)		2	2	1	2	1	2	1	2	2	1	1
3A	5114124	SPRING (LATCH)								1				
3A	5123743	SPRING (LATCH)		2	2	1	2	1				2	1	1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 277	278	281	284	292	293	299	300	301	303	305	307
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION (CONT'D)												
3A	5119328	SPRING (LATCH)							1					
3A	5123743	SPRING (LATCH)									1			
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
3A,B	5112785	LATCH (WITH HORIZONTAL HOUSING)					2	1	1	1	1	2	1	1
3A,C	5114727	LATCH		2	2	1								
3A	5113633	SPACER, 17/64"X7/8"		2	2	1	2	1		1		2	1	
	5143836	BUSHING, ECCENTRIC							1		1			1
3A,B	180034	BOLT, 1/4"-20X1 1/2" (12.9001)		2	2	1	2	1		1		2	1	
3A	179803	BOLT, 1/2"-20X1 3/4" (12.9001)							1		1			1
3A	120392	WASHER, 1/4" FLAT (12.9190)		AR	AR	AR	AR	AR	AR	AR		AR	AR	
3A	120380	LOCKWASHER, 1/4" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		3.3095 - ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER												
	5135033	* ROD							1					
	5135628	ROD									1			
	455862	PIN, 1/8"X3/4" SPR.									2			
	5118951	JOINT, BALL 5/16"-24							2					
	103320	LOCKWASHER, 5/16" (12.9200)							2					
	114493	NUT, 5/16"-24 HEX. (12.9120)							4					
		* NOT SERVICED, USE 5145607 PLUS (2) 5114848, (2) 186654, (2) 103320 AND (2) 114493.												
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET												
	5127443	LEVER								1				
	5147640	LEVER							1					
3A,B	5114974	HANDLE ASSY.		2	2	1	2	1			1	2	1	1
3A,B	5122982	CAM		2	2	1	2	1	1		1	2	1	1
3A,B	5122623	CAM								1			1	
	455862	PIN, 1/8"X11/16" ROLL (12.9300)							1					
	453676	PIN, 1/8"X1" ROLL (12.9275)								1				
	179796	BOLT, 1/4"-20X7/8" (12.9001)							1					
	103342	WASHER, 7/16" FLAT (12.9190)								AR				
	120380	LOCKWASHER, 1/4" (12.9200)							1					
		3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN CONTROL												
		CUSTOMER MUST DETERMINE PROPER WIRE AND ATTACHING PARTS REQUIRED FOR AN INSTALLATION.												

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 277	278	281	284	292	293	299	300	301	303	305	307
		3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN CONTROL(CONT'D)												
	5146239	WIRE ASSY. (90°L.) (2.9422)			2			1						
	110730	LOCKWASHER, 3/8" (12.9200)						1						
	124925	NUT, 3/8"-24 HEX. (12.9120)						1						
		* FIG. 10B OF 8.0000.												
		3.3260 - PLATE, AIR INLET HOUSING SHUTDOWN CONTROL												
	5186687	PLATE, NAME (STOP)			2			1						
	132105	SCREW, #10-32X3/8" (12.9025)			2									
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE												
	3290569	CLIP (7.8320)			4	1		1						
	3796374	STOP (2.9426)			2	1		1						
	140855	SCREW, #8-32X5/16" SET (12.9076)			2	1		1						
	180016	BOLT, 1/4"-20X1/2" (12.9001)			2									
	123298	BOLT, 1/4"-28X3/8" (12.9001)				1		1						
	120393	WASHER, 5/16" FLAT (12.9190)				1		1						
	120380	LOCKWASHER, 1/4" (12.9200)			AR	AR		AR						
	121902	NUT, 1/4"-28 HEX. (12.9120)				1		1						

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 308	309	314	318	319	322	323	324	325	326	327	329
		3.3001 - HOUSING ASSY., AIR INLET												
		INCLUDES ITEMS IN 3.3003, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.												
	5139000	HOUSING ASSY. (FRONT) (16V)	1											
3B	**5136030**	HOUSING ASSY. (REAR) (16V)	1											
3B	**5136487**	HOUSING ASSY. (FRONT) (16V)		1										
3B	**5136488**	HOUSING ASSY. (REAR) (16V)		1										
3C	**5136289**	HOUSING ASSY. (REAR) (12V)			1							1		
3C	**5136290**	HOUSING ASSY. (FRONT) (12V)			1							1		
3B	**5137142**	HOUSING ASSY. (FRONT) (12V)				1								
3B	**5137143**	HOUSING ASSY. (REAR) (12V)				1								
3C	**5136288**	HOUSING ASSY. (FRONT) (16V)					1							
3C	**5136285**	HOUSING ASSY. (REAR) (16V)					1							
3B	**5138211**	HOUSING ASSY. (6V)						1						
3B	**5123647**	HOUSING ASSY. (6V)							1					
3B	**5145148**	HOUSING ASSY. (REAR) (12V)								1				
3B	**5147247**	HOUSING ASSY. (FRONT) (12V)								1				
3B	**5123644**	HOUSING ASSY. (REAR) (16V)									1			
3B	**5179184**	HOUSING ASSY. (FRONT) (16V)									1			
	5138028	HOUSING ASSY. (FRONT) (16V)												1
	5138029	HOUSING ASSY. (REAR) (16V)												1
		3.3003 - HOUSING, AIR INLET												
3A	**5123608**	HOUSING	2			2			1					
3A	**5131763**	HOUSING		2										
3C	**5129082**	HOUSING			2							2		
3C	**5129084**	HOUSING					2							
3A	**5134752**	HOUSING						1						
3A	**5145045**	HOUSING								2				
3A	**5173876**	HOUSING									1			
3A	**5123608**	HOUSING									1			
3A	**5137636**	HOUSING												2
	9421747	PLUG, 3/8" CUP (12.9320)	1	1	1	1	1	1	1	1	1	1	1	1
3A	**5121182**	PLUG, 1/4" PIPE (12.9550)		1				1		2				
	5142549	PLUG, 3/4" PIPE (12.9550)								1	1			
	453019	SCREW, 1/4"-20X1/2" W/LW (12.9010)												2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			8		8					8		
3B	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	8	10		8		4	4		8			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)												2
	179851	BOLT, 3/8"-16X3" (12.9001)			4		4			6		4		6
3B	**186283**	BOLT, 3/8"-16X3 1/2" (12.9001)	4	4		4		2	2		4			
	455537	BOLT, 3/8"-16X4" (12.9001)												4
3B	**114926**	BOLT, 3/8"-16X4 1/4" (12.9001)								3				
	192883	BOLT, 3/8"-16X4 1/4" (12.9001)								3				
	103341	WASHER, 3/8" (12.9190)			AR		AR					AR		AR
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR		AR

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 308	309	314	318	319	322	323	324	325	326	327	329
		3.3003 - HOUSING, AIR INLET (CONT'D)												
	117049	NUT, 3/8"-24 HEX. (12.9120)					8							
		3.3004 - ADAPTOR, AIR INLET HOUSING												
3A	5123610	ADAPTOR, 8V-71	2	2							2			
3A	5144122	ADAPTOR, 6V-71				2		1						
3A	5109138	* ADAPTOR, 6V-71							1					
	5144121	ADAPTOR, 12V-71											1	
	5138024	@ ELBOW												2
	5115214	PLUG, 1/2" PIPE (12.9550)												1
3A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	12	12		10		6	6		12		8	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)											4	
	103341	WASHER, 3/8" FLAT (12.9190)	4	4		4		2	2		4		4	12
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR		AR	AR		AR		AR	
		* NOT SERVICED. FOR SERVICE USE 5144122 AND INCLUDE 1-445751 PLUG.												
		@ NOT SERVICED, USE 5134752 PLUS (2) 5150131 PLUGS AND (1) 5145013 PLUG.												
		3.3010 - GASKET, AIR INLET HOUSING												
3A	5123703	GASKET	2	2		2		1	1		2			
	5145235	GASKET (STRIKER PLATE) (3.3030)			2					2		2		
3A	5134838	GASKET				2								
	5145086	GASKET (STRIKER PLATE) (3.3030)					2							2
	5138785	GASKET												2
		3.3020 - PLATE, AIR INLET HSG. STRIKER												
	5128838	PLATE			2					2		2		
	5128839	PLATE					2							2
		3.3035 - VALVE ASSY., AIR SHUTDOWN												
		INCLUDES ITEMS IN 3.3040.												
3A	5128836	VALVE ASSY.			2						4			
3C	5128837	VALVE ASSY.					4							
3C	455862	PIN, 1/8"X11/16" ROLL (12.9275)			8		8				8			
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
3C	5123684	VALVE	2	2		2		1	1		2			
	5128841	VALVE			4							4		
3C	5128840	VALVE					4							

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 308	309	314	318	319	322	323	324	325	326	327	329
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN (CONT'D)												
3C	5123581	VALVE								4				4
	5128352	VALVE			4		4					4		
3C	5128842	HINGE, VALVE			4		4					4		
3C	5128046	SPRING, HINGE (3.3070)			4		4					4		
	9416147	PIN, HINGE (3.3070)												
3C	455862	PIN, 1/8"X11/16" ROLL (12.9275)	4	4		4		2	2	4	4			8
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN												
3A	5122296	SHAFT (7.54"L.)	1	1				1	1		2			
3A	5136017	SHAFT (8.54"L.)	1	1										
3A	5114168	SHAFT (9.00"L.)				1								
3A	5137141	SHAFT (10.88"L.)				1								
3C	5134588	SHAFT (14"L.)			2							2		
3A	5111878	SHAFT (15.90"L.)								2				
	5135407	SHAFT (16.50"L.)												1
	5128356	SHAFT (17.40"L.)												1
3C	5136275	SHAFT (21.42"L.)					2							
3A	455862	PIN, 1/8"X11/16" ROLL (12.9300)	2		4		4			1	1	4		4
3A	453676	PIN, 1/8"X1" ROLL (12.9300)	1	3		3		1	1	2	1			
	5198564	* BUSHING	4	4		4		2	2		4			
3A	5146261	SPACER (1"O.D.X.44"I.D.X.38")	3	1		3		1	1	3	1			
	5150238	WASHER, 7/16"X13/16" (3.4001)			4		4					4		
	103342	WASHER, 7/16" FLAT (12.9190)	AR			AR		AR	AR	AR	AR			AR
		* USED TO REWORK SHAFT HOLES IN AIR INLET HOUSINGS.												
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT												
3A	5179232	RING, SEAL (8.1110)	4	4	4	4	4	2	2		2	4		4
3A	5135594	RING, SEAL (3.3055)								4	2			
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE												
3A,B	5128046	SPRING (VALVE)			4									
3A,B	5111904	SPRING (VALVE)	2	2	4	2	4	1	1	2	2	4		2
3A	5123743	SPRING (LATCH)	1	1				1	1		2			
3C	5114124	SPRING (LATCH)			1		1					1		1
3A	5124962	SPRING (LATCH)				1								
3A	5119327	SPRING (LATCH)								1				
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
3A	5134458	LEVER		1										
3A,C	5114727	LATCH	1	1					1					
3C	5109673	LATCH			1		1					1		

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 308	309	314	318	319	322	323	324	325	326	327	329
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE(CONT'D)												
3A	5112785	LATCH						1		1	2			2
	5139430	PLATE, SHUTDOWN WARNING LEVER	1	1						1				
	5139429	PLATE, SHUTDOWN WARNING LEVER			1		2					2		
3A	5113633	SPACER	1	1	1	1	1	1	1	1	2	1		
	5143836	BUSHING, ECCENTRIC			1									
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)	1	1	1	1	1	1	1	1	2	1		1
	186629	BOLT, 5/16"-18X1" (12.9001)	1	1										
	120392	WASHER, 1/4" FLAT (12.9190)	1	1	1	1	1	1	1	1	2	1		1
	5159714	WASHER, 11/16" FLAT (2.7290)	1	1	AR		1			AR		AR		
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR
	103320	LOCKWASHER, 5/16" (12.9200)	1	1						1				
		3.3095 - *ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER*												
		A ROD ASSY. INCLUDES SHAFT, COUPLINGS AND SPRING PINS IN 3.3095.												
	5137139	ROD				1								
	5131601	ROD (2.8975)				1								
	5135011	ROD, 5/16"X3.50"L.								1				
	5145724	TUBE (23 5/8"L.)	1	1										
	5114848	BEARING, ROD END (2.9730)	2											
	5120472	BEARING, ROD END (2.9022)				2								
	5127470	BEARING, ROD END (2.8970)				2								
	5136192	COUPLING			1		1					1		
	5138027	BAR												1
	5118951	JOINT, BALL 5/16"-24								2				
	453676	PIN, 1/8"X1" ROLL (12.9275)			2		2					2		
	103387	PIN, 1/8"X1 1/2" COTTER (12.9250)			1		2					1		
	9421638	SCREW, 5/16"-24X7/8" SOC. HD. (12.9027)												2
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)			2		4					2		
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)	2	2										
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)				2								
	186649	BOLT, 5/16"-24X1 5/8" (12.9001)				1								
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR			AR		AR		AR
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	2		4								
	121928	NUT, 5/16"-24 HEX. (12.9120)				2								
	103026	NUT, 3/8"-24 HEX. (12.9120)	2	2										
		3.3097 - LEVER AND SUPPORT ASSY., AIR INLET SHUTDOWN CONNECTOR												
	5137084	LEVER ASSY.				1								
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				2								
	103341	WASHER, 3/8" (12.9190)				2								

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 308	309	314	318	319	322	323	324	325	326	327	329
		3.3097 - LEVER AND SUPPORT ASSY., AIR INLET SHUTDOWN CONNECTOR (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)				2								
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET												
	5147640	LEVER	1	1	1		1	1		1		1		
3A	5182841	LEVER (2.9290)				2								
3A	5114974	HANDLE ASSY. (INCLUDES PIN)				1		1	1		2			
3A	5122982	CAM	1	1	1	1	1	1	1	1	2	1		
	5122623	CAM												1
	455862	PIN, 1/8"X11/16" ROLL (12.9300)	2	2		2				2		2		
	180021	BOLT, 1/4"-20X7/8" (12.9001)			1		1							
	120380	LOCKWASHER, 1/4" (12.9200)			1		1							
		3.3310 - MANIFOLD, AIR INLET												
	5138024	ELBOW (3.3004)												2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)												8
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)												4
	103321	LOCKWASHER, 3/8" (12.9200)												12
		3.3311 - GASKET, AIR INLET MANIFOLD												
	5138785	GASKET (3.3010)												2

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 330	331	333	334	338	339	343	345	346	347	349
		3.3001 - HOUSING ASSY., AIR INLET											
		INCLUDES ITEMS IN 3.3003, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.											
	5139000	HOUSING ASSY. (FRONT) (16V)				1							
3B	5123644	HOUSING ASSY. (REAR) (16V)							1				
	5138028	HOUSING ASSY. (FRONT) (16V)											1
	5138029	HOUSING ASSY. (REAR) (16V)											1
	5137262	HOUSING ASSY. (FRONT OR REAR) (16V)	1										
	5137263	HOUSING ASSY. (FRONT OR REAR) (16V)	1										
	5134749	HOUSING ASSY. (6V)		1									
	5138180	HOUSING ASSY. (FOR SILENCER) (8V)			1								
	5137918	HOUSING ASSY. (REAR) (16V)				1							
	5138211	HOUSING ASSY. (6-8V)					1				1		
	5135059	HOUSING ASSY. (6V)						1					
3B	5135893	HOUSING ASSY. (FRONT) (12V)							1				
	5138809	HOUSING ASSY. (16V)								1			
	5138810	* HOUSING ASSY. (16V)								1			
	5137835	HOUSING ASSY. (12V)										1	
	5137836	HOUSING ASSY. (12V)										1	
		* OBSOLETE.											
		3.3003 - HOUSING, AIR INLET											
3A	5123608	HOUSING							2	2			
3A	5137636	HOUSING											2
3A	5136817	* *HOUSING (5145485)*	2										
3A	5134036	HOUSING (HORIZONTAL INLET)		1									
3C	5138403	HOUSING (FOR SILENCER)			1								
3A	5135470	HOUSING				2							
3A	5134752	HOUSING					1				1		
3A	5134999	HOUSING						1					
3A	5131763	HOUSING										2	
	9421747	PLUG, 5/8" CUP (12.9320)	1	1	1	1	1	1	1	1	1	1	1
3A	5121182	PLUG, 1/4" PIPE (12.9550)		1		1	1					2	
	5142549	PLUG, 3/4" PIPE (12.9550)					1	1			1		
	453019	SCREW, 1/4"-20X1/2" W/LW (12.9010)											2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	8		12								
3B	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		4		8	4	4	8	8	8	8	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)											2
	179851	BOLT, 3/8"-16X3" (12.9001)			2								6
3B	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		2		4	2	2	4	4	4	4	
	455537	BOLT, 3/8"-16X4" (12.9001)											4
	103341	WASHER, 3/8" (12.9190)			AR								AR
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* *NOT SERVICED, USE PART NUMBER SHOWN AND INCLUDE (2) 5145602 BUSHINGS.*											

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 330	331	333	334	338	339	343	345	346	347	349
		3.3004 - ADAPTOR, AIR INLET HOUSING											
3A	5123610	ADAPTOR, 8V-71				2				2			
3A	5144122	ADAPTOR, 6V-71		1				1	2		2		
3A	5109138	* ADAPTOR, 6V-71										2	
3A	5134835	ADAPTOR, 8V-71	2										
	5121182	PLUG, 1/4" PIPE (12.9550)	2										
3A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	12	6		12	6	6	10	12	12	10	
	103341	WASHER, 3/8" FLAT (12.9190)	4	2		4	6	2	4	4	4	4	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR	AR	AR	AR	AR	AR	
		* NOT SERVICED. FOR SERVICE USE 5144122 AND INCLUDE 1-445751 PLUG.											
		3.3010 - GASKET, AIR INLET HOUSING											
3A	5123703	GASKET		1		2	1	1	2	2	2	2	
3A	5134838	GASKET	2										
	5145086	GASKET (STRIKER PLATE) (3.3030)											2
	5117358	GASKET (3.5418)											2
		3.3020 - PLATE, AIR INLET HSG. STRIKER											
	5128839	PLATE			1								2
		3.3035 - VALVE ASSY., AIR SHUTDOWN											
		INCLUDES ITEMS IN 3.3040.											
3C	5128837	VALVE ASSY.			2								
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN											
3C	5123684	VALVE		1		2	1	1	2	2	2	2	
3C	5128840	VALVE			2								
	5128352	VALVE											4
	5134836	VALVE	2										
3C	5128842	HINGE, VALVE			2								
3C	5128046	SPRING, HINGE (3.3070)			2								
	9416147	PIN, HINGE (3.3070)			2								
3C	455862	PIN, 1/8"X11/16" ROLL (12.9275)	4	2	4	4	4	2	4	4	4	4	8
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN											
3A	5122296	SHAFT (7.54"L.)		1		1	1	1	2		1		
3A	5136017	SHAFT (8.54"L.)				1				1			
3A	5114168	SHAFT (9.00"L.)				2							

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 330	331	333	334	338	339	343	345	346	347	349
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN (CONT'D)											
3A	5117249	SHAFT (9.48"L.)								1		1	
	5128862	SHAFT (16.28"L.)			1								
	5135407	SHAFT (16.50"L.)											1
	5128356	SHAFT (17.40"L.)											1
3A	455862	PIN, 1/8"X11/16" ROLL (12.9300)							3		4	3	4
3A	453676	PIN, 1/8"X1" ROLL (12.9300)	3	1		3	1	1		3		3	
	5198564	* BUSHING		2		4	2	2	4	4	4	4	
	5145602	BUSHING	4										
3A	5146261	SPACER (1"O.D.X.44"I.D.X.38")	3	1		3	1	1		3		3	
	5150238	WASHER, 7/16"X13/16" (3.4001)			2								
	103342	WASHER, 7/16" FLAT (12.9190)		AR		AR	AR	AR	AR	AR	AR	AR	AR
		* USED TO REWORK SHAFT HOLES IN AIR INLET HOUSINGS.											
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT											
3A	5179232	RING, SEAL (8.1110)		2	2	4	2	2		4	4	4	4
3A	5135594	RING, SEAL (3.3055)	4						2				
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE											
3A,B	5111904	SPRING (VALVE)	2	1	2	2	1	1	2	2	4	2	2
3A	5123743	SPRING (LATCH)		1		1	1	1	1	1		1	
3C	5114124	SPRING (LATCH)											1
3A	5119328	SPRING (LATCH)	1										
3C	5112787	SPRING (LATCH)			1								
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE											
3A	5134458	LEVER	1							1			
3A,C	5114727	LATCH				1				1		1	1
3C	5109673	LATCH			1								
3A	5112785	LATCH	1	1			1	1	1		1		
	5139430	PLATE, SHUTDOWN WARNING LEVER	1							1		1	
3A	5113633	SPACER		1	1	1	1	1	1		1	1	
	5143836	BUSHING, ECCENTRIC	1							1			
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)	1	1	1	1	1	1	1		1	1	1
	186629	BOLT, 5/16"-18X1" (12.9001)	1							1			
	120392	WASHER, 1/4" FLAT (12.9190)		1	1	1	1	1	1		1	1	1
	5159714	WASHER, 11/16" FLAT (2.7290)	1							AR			
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR
	103320	LOCKWASHER, 5/16" (12.9200)	1		1					1			

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 330	331	333	334	338	339	343	345	346	347	349
		3.3095 - ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER											
		A ROD ASSY. INCLUDES SHAFT, COUPLINGS AND SPRING PINS IN 3.3095.											
	5137832	ROD, 5/16"X15.62"L.										1	
	5137923	ROD ASSY. (10.56"L.)							1				
	5145724	TUBE (23 5/8"L.)				1				1			
	5145607	TUBE (36.75"L.)	1										
	5114848	BEARING, ROD END (2.9730)	2							2			
	5120472	BEARING, ROD END (2.9022)										2	
	5138027	BAR											1
	5114168	SHAFT (9.00"L.)							1				
	455734	* PIN, 1/8"X3/4" SPRING							4				
	9421638	SCREW, 5/16"-24X7/8" SOC. HD. (12.9027)											2
	186654	BOLT, 5/16"-24X11/8" (12.9001)	2			2				2			
	100015	BOLT, 5/16"-24X11/4" (12.9001)										2	
	103320	LOCKWASHER, 5/16" (12.9200)	AR							AR		AR	AR
	114493	NUT, 5/16"-24 HEX. (12.9120)	2			2				2		4	
	103026	NUT, 3/8"-24 HEX. (12.9120)	2			2				2			
		* TWO PINS PART OF ROD ASSY. IN 3.3095.											
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET											
	5147640	LEVER	1			1				1			
3A	5182841	LEVER (2.9290)				1				1		1	
3A	5114974	HANDLE ASSY. (INCLUDES PIN)		1	1		1	1	1		2		
3A	5122982	CAM	1	1	1	1	1	1	1	1	1	1	
	5122623	CAM											1
	455862	PIN, 1/8"X11/16" ROLL (12.9300)	2			3				2		1	
	455533	PIN, 1/8"X7/8" SPRING (12.9275)	1			1				1		1	
	180021	BOLT, 1/4"-20X7/8" (12.9001)	1			1				1			
	120380	LOCKWASHER, 1/4" (12.9200)	1			1				1			
		3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN CONTROL											
		CUSTOMER MUST DETERMINE PROPER WIRE AND ATTACHING PARTS FOR AN INSTALLATION.											
*	5146239	WIRE ASSY. (90"L.) (2.9422)		1				1					
*	110730	LOCKWASHER, 3/8" (12.9200)		1				1					
		* FIG. 10B OF 8.0000.											

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 330	331	333	334	338	339	343	345	346	347	349
		3.3260 - PLATE, AIR INLET HOUSING SHUTDOWN CONTROL											
	5186687	PLATE, NAME (STOP)		1				1					
	132105	SCREW, #10-32X3/8" (12.9025)		1				1					
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE											
	3290569	CLIP (7.8320)		1				1					
	3796374	STOP (2.9426)		1				1					
	140855	SCREW, #8-32X5/16" SET (12.9076)		1				1					
	123298	BOLT, 1/4"-28X3/8" (12.9001)		1				1					
	120393	WASHER, 5/16" FLAT (12.9190)		1				1					
	120380	LOCKWASHER, 1/4" (12.9200)		1				1					
	121902	NUT, 1/4"-28 HEX. (12.9120)		1				1					

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3556	3558	3564	3565	3667	3671	3772	3883	3885	3889	3892	3893
		3.3001 - HOUSING ASSY., AIR INLET												
		INCLUDES ITEMS IN 3.3003, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.												
3D	**5139037**	HOUSING ASSY. (FRONT) (16V)	1											
3D	**5139036**	HOUSING ASSY. (REAR) (16V)	1											
3B	**5139020**	HOUSING ASSY. (FRONT) (12-16V)		1		1								
3B	**5136487**	HOUSING ASSY. (REAR) (16V)		1										
	5137835	HOUSING ASSY. (REAR) (16V)			1									
	5137836	HOUSING ASSY. (FRONT) (16V)			1									
3B	**5139954**	* HOUSING ASSY. (REAR) (12V)				1								
	5138028	HOUSING ASSY. (FRONT) (16V)					2							
	5138029	HOUSING ASSY. (REAR) (16V)					2							
3B	**5140911**	HOUSING ASSY. (FRONT) (16V)						1						
	5139000	HOUSING ASSY. (REAR) (16V)						1						
3B	**5137834**	HOUSING ASSY. (FRONT) (12V)							1					
3B	**5137837**	HOUSING ASSY. (REAR) (12V)							1					
3B	**5140738**	HOUSING ASSY. (8V)								1				
	5142082	HOUSING ASSY. (FRONT) (16V)									1			
	5142081	HOUSING ASSY. (REAR) (16V)									1			
3B	**5123644**	HOUSING ASSY. (8-16V)									2	1		
3B	**5139250**	HOUSING ASSY. (6-12V)											1	1
		* NOT SERVICED. USE COMPONENT PARTS AND SD-266.												
		3.3003 - HOUSING, AIR INLET												
3D	**5131763**	HOUSING	2	2	2	2								
3A	**5135470**	HOUSING						2						
3A	**5123608**	HOUSING							2			1		
3A	**5140739**	HOUSING								1				
3A	**5136817**	* HOUSING (5145485)									1			
3A	**5141746**	* HOUSING (5147140)									1			
3A	**5133833**	HOUSING											1	
3A	**5142651**	HOUSING											1	
3A	**5137636**	HOUSING												1
3A	**5140602**	HOUSING												1
3A	**5137636**	HOUSING					2							
	9421747	PLUG, 5/8" CUP (12.9320)	1	1	1	1	1	1	1	1	1	1	1	1
3A	**5121182**	PLUG, 1/4" PIPE (12.9550)	1		1									1
	453019	SCREW, 1/4"-20X1/2" W/LW (12.9010)					2							
3A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)									8		3	
3A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	8	8	8	8		8	8			4		
3A	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)					4							
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)												5
3A	**190911**	BOLT, 3/8"-16X2 7/8" (12.9001)								3				
3B	**179851**	BOLT, 3/8"-16X3" (12.9001)					12						3	
3A	**186282**	BOLT, 3/8"-16X3 1/4" (12.9001)												1
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	4	4	4	4		4	4			2		
	455537	BOLT, 3/8"-16X4" (12.9001)					8			3				

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 356	358	364	365	367	371	372	383	385	389	392	393
		3.3003 - HOUSING, AIR INLET (CONT'D)												
3B	114926	BOLT, 3/8"-16X4 1/4" (12.9001)											5	
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)											1	
	103341	WASHER, 3/8" (12.9190)	AR				AR							
3A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES AND INCLUDE (2) 5145602 BUSHINGS.												
		3.3004 - ADAPTOR, AIR INLET HOUSING												
3A	5123610	ADAPTOR, 8V-71	2	2	2			2				1		
3A	5144122	ADAPTOR, 6V-71				2			2					
3A	5134835	ADAPTOR, 8V-71									2			
	5121182	PLUG, 1/4" PIPE (SQ. HD.) (12.9550)									2			
3A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	12	12	12	12		12	12		12	6		
3A	103341	WASHER, 3/8" FLAT (12.9190)	4	4	4	4		4	4			2		
3A	103321	LOCKWASHER, 3/8" (12.9200)	12	12	12	12		12	12		12	6		
		3.3010 - GASKET, AIR INLET HOUSING												
3A	5123703	GASKET	2	2	2	2		2	2			1		
	5117358	GASKET (3.5418)					4							
	5145086	GASKET, STRIKER PLATE (3.3030)					2							
	5134838	GASKET									2			
3A	5103515	GASKET (3.4025)												1
		3.3020 - PLATE, AIR INLET HOUSING STRIKER												
	5128839	PLATE					4			1				
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
3A	5123684	VALVE	2	2	2	2		2	2			1		
	5128352	VALVE					8			2				
	5134836	VALVE									2			
3A	5121353	VALVE												1
3C	455862	PIN, 1/8"X1/16" ROLL (12.9300)	4	4	4	4		4	4	2	16	2		2
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN												
3A	5122296	SHAFT (7.54"L.)		1				1	1			1		
3A	5117249	SHAFT (9.48"L.)	1		2				1		1			
	5136017	SHAFT (8.54"L.)	1	1		1		1						

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3560	3584	3605	3607	3711	3723	3833	3855	3899	3923	3933
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN (CONT'D)											
3A	**5114168**	SHAFT (9.00"L.)								1			
	5137677	+ SHAFT (10.40"L.)			1								
	5138528	+ SHAFT (14.58"L.)											1
	5135407	SHAFT (16.50"L.)				2							
3A	**5128356**	SHAFT (17.40"L.)				2			1				
3A	**455862**	PIN, 1/8"X11/16" ROLL (12.9300)	1	1	1	6	1	1					1
3A	**453676**	PIN, 1/8"X1" ROLL (12.9300)	2	2	3	2	3	3		3			
	5198564	* BUSHING	4	4	4	4	4	4					
	5145602	BUSHING								4			
3A	**5146261**	SPACER (1"O.D.X.44"I.D.X.38")	2	2	3	2	3	3		3			
3A	**103341**	WASHER, 3/8" (12.9190)											1
3A	**103342**	WASHER, 7/16" FLAT (12.9190)		AR	AR	2	AR	2	1		1		
	5156612	WASHER, (11/16"O.D.X.44"I.D.X.38")	AR						AR	AR			
		* USED TO REWORK SHAFT HOLES IN AIR INLET HOUSINGS.											
		+ OBSOLETE.											
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE											
3A	**5179232**	RING, SEAL (2.4225)	4	4	4	4	8	4	4	2			
3A	**5135594**	RING, SEAL								2	2		
		3.3070 - SPRING, AIR INLET HOUSING											
3A,B	**5111904**	SPRING (VALVE)	2	2	2	2	4	2	2	1	2	1	1
3A	**5123743**	SPRING (LATCH)	1	1	1	1		1	1			1	
3A,C	**5114124**	SPRING (LATCH)					2			1			
3A	**5112787**	SPRING (LATCH)											1
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE											
3A	**5134458**	LEVER		1	1			1	1		1		
	5182841	LEVER (2.9290)				1							
3A,C	**5114727**	LATCH	1	1	1	1	3						
3A	**5112785**	LATCH						1	1	1	1	1	1
	5139430	PLATE	1	1	1			1	1	1			
	5143836	BUSHING (ECCENTRIC)									1		
3A	**5113633**	SPACER, 17/64"X7/8"	1						1	1		1	1
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)	1				2		1	1		1	1
	186629	BOLT, 5/16"-18X1" (12.9001)		1	1			1	1		1		
	179803	BOLT, 1/2"-20X1 3/4" (12.9001)		1	1	1					1		
	120392	WASHER, 1/4" FLAT (12.9190)	AR	AR			AR		AR	AR		AR	
	5159714	WASHER, 11/16" FLAT (2.7290)		1	1			1	1		1		
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 356	358	364	365	367	371	372	383	385	389	392	393
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE (CONT'D)												
	103320	LOCKWASHER, 5/16" (12.9200)		1	1			1	1		1			
		3.3095 - ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER												
	5127597	+ ROD (17 3/4"L.)							1					
	5125886	ROD (23 3/16"L.) (2.9360)				1								
	5145724	TUBE (23 5/8"L.)	1	1	1			1						
	5145607	TUBE (36 3/4"L.)									1			
	5138027	LINK					2							
	5114848	BEARING, ROD END (2.9730)	2	2	2			2			2			
	5120472	BEARING, ROD END (2.9022)				2			2					
	9421638	SCREW, 5/16"-24X7/8" SOC. HD. (12.9027)					4							
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)	2	2	2			2			2			
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)				2			2					
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR		AR			
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	2	2	4		2	4		2			
	103026	NUT, 3/8"-24 HEX. (12.9120)	2	2	2			2			2			
		+ *NO LONGER AVAILABLE FOR SERVICE.*												
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET												
3A	**5182841**	LEVER (2.9290)	1						1		1			
3A	**5147640**	LEVER	1	1	1	1		1			1			
3A,C	**5114974**	HANDLE ASSY. (INCLUDES PIN)								1	1	1		1
3A,B	**5122982**	CAM	1	1	1	1		1	1	1	1	1		
3A,B	**5122623**	CAM					2							1
	455862	PIN, 1/8"X11/16" ROLL (12.9300)	1	1	1	1	2	1	1					
	455533	PIN, 1/8"X7/8" SPRING (12.9275)	2	2	2	2		2	1		2			
	179796	BOLT, 1/4"-20X7/8"(12.9001)	2	2	2						2			
	120380	LOCKWASHER, 1/4" (12.9200)	2	2	2						2			
		3.3310 - MANIFOLD, AIR INLET												
	5138024	* ELBOW					4							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					16							
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)					8							
	103321	LOCKWASHER, 3/8" (12.9200)					AR							
		* NOT SERVICED, USE 5134752 PLUS 2-5150131 PLUGS AND 1 5142549.PLUG.												

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3.3000A AIR INLET HOUSING

FIG.	PART NUMBER	NAME AND DESCRIPTION	TYPES 394	396	397	400	405	406	408	409	410	412	413
		3.3001 - HOUSING ASSY., AIR INLET											
		INCLUDES ITEMS IN 3.3003, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.											
3B	**5139020**	+ HOUSING ASSY. (FRONT) (12V)											1
3B	**5139954**	+ HOUSING ASSY. (REAR) (12V)											1
3B	**5123644**	HOUSING ASSY. (8V)	1										
3B	**5135657**	HOUSING ASSY. (FRONT) (8-16V)	1	1									
3B	**5135658**	HOUSING ASSY. (REAR) (8-16V)	1	1									
3B	**5134139**	HOUSING ASSY. (8V)			1								
3B	**5138211**	HOUSING ASSY. (6V)				1							
3B	**5142028**	HOUSING ASSY. (8V)					1						
3B	**5118362**	HOUSING ASSY. (6V)						1					
3B	**5143577**	HOUSING ASSY. (6V)							1				
3B	**5100940**	HOUSING ASSY. (8V)								1			
3B	**5144099**	HOUSING ASSY. (8V)									1		
3B	**5134749**	HOUSING ASSY. (8V)										1	
	5100014	HOSE, 4 1/2" I.D.X3" L. (3.5417)					1						
	5118393	CLAMP, HOSE 4 1/2" (12.9660)					2						
		+ NOT SERVICED. USE COMPONENT PARTS PLUS SD-266.											
		3.3003 - HOUSING, AIR INLET											
3D	**5131763**	HOUSING											2
3A	**5123608**	HOUSING	1										
3A	**5134138**	HOUSING			1								
3A	**5137636**	HOUSING	1	2							1		
3A	**5134752**	HOUSING				1							
3A	**5141486**	HOUSING					1						
3A	**5137390**	* HOUSING						1					
3A	**5137916**	HOUSING							1				
3A	**5143107**	@ HOUSING (5100893)								1			
3A	**5134036**	HOUSING										1	
	9421747	PLUG, 5/8" CUP (12.9320)	1	1	1	1	1	1	1	1	1	1	1
3A	**5121182**	PLUG, 1/4" PIPE (12.9550)				1		1	1			1	1
	5150131	PLUG, 7/16" CUP TYPE (1.1001)		2									
3A	**5142549**	PLUG, 3/4" PIPE (12.9550)		2				1					
	453019	SCREW, 1/4"-20X1/2" W/LW (12.9010)	2	2						4			
3A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)											
3A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	4			4						4	8
3A	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)		2									
3A	**179844**	BOLT, 3/8"-16X1 5/8" (12.9001)						4	4		1		
3A	**179847**	BOLT, 3/8"-16X2" (12.9001)						1	1				
3A	**190911**	BOLT, 3/8"-16X2 7/8" (12.9001)			3								
3A	**179851**	BOLT, 3/8"-16X3" (12.9001)		6			3				3		
3A	**186282**	BOLT, 3/8"-16X3 1/4" (12.9001)						1	1				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	2			2						2	4
	272473	BOLT, 3/8"-16X3 7/8" (12.9001)					3						
	455537	BOLT, 3/8"-16X4" (12.9001)		4	3								
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)									2		
	103341	WASHER, 3/8" (12.9190)			AR		AR		AR		AR		
3A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3941	3961	3971	4001	4051	4061	4081	4091	4101	4121	4131
		3.3003 - HOUSING, AIR INLET (CONT'D)											
		* NOT SERVICED; FOR SERVICE USE 5187806 AND INCLUDE (2) 5115214 PLUGS.											
		@ NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES AND INCLUDE (2) 5145602 BUSHINGS.											
		3.3004 - ADAPTOR, AIR INLET HOUSING											
3A	**5123610**	ADAPTOR, 8V-71	1										
3A	**5144122**	ADAPTOR, 6V-71				1							2
3A	**5134835**	ADAPTOR, 8V-71								1			
	5121182	PLUG, 1/4" PIPE (SQ. HD.) (12.9550)								1			
3A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)	6			6				6			12
3A	**103341**	WASHER, 3/8" FLAT (12.9190)	2										4
3A	**103321**	LOCKWASHER, 3/8" (12.9200)	6			6				6			12
		3.3010 - GASKET, AIR INLET HOUSING											
3A	**5123703**	GASKET	1			1						1	2
	5145086	GASKET, STRIKER PLATE (3.3030)		2	1		1						
	5134838	GASKET								1			
3A	**5138785**	GASKET		2							1		
3A	**5147703**	GASKET		2			1						
3A	**3290572**	GASKET (3.3030)						1	1				
	5103602	GASKET & SCREEN ASSY. (3.4025)								1			
		3.3020 - PLATE, AIR INLET HOUSING STRIKER											
	5128839	PLATE		2	1		1						
	3290399	PLATE						1	1				
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN											
3A	**5123684**	VALVE	1			1						1	2
3C	**5128352**	VALVE		4	2		2				2		
	5134836	VALVE								1			
3A	**5172031**	VALVE						1	2				
3C	**455862**	PIN, 1/8"X1/16" ROLL (12.9300)	2	8	4	2	4	4	4	2	4	2	4
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE											
3A	**5122296**	SHAFT (7.54"L.)	1			1				1		1	
	5136017	SHAFT (8.54"L.)											1
	5137677	* SHAFT (10.40"L.)											1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3941	3961	3971	4000	4051	4061	4081	4091	4101	4121	4131
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN (CONT'D)											
3A	5128593	SHAFT (15.76"L.)						1					
	5135407	SHAFT (16.50"L.)									1		
3A	5143440	SHAFT (17.12"L.)							1				
3A	5128356	SHAFT (17.40"L.)		2	1		1						
3A	455734	PIN, 1/8"X3/4" SPR. (12.9300)		2									
3A	455862	PIN, 1/8"X11/16" ROLL (12.9300)	1	1	1		1		1				1
3A	453676	PIN, 1/8"X1" ROLL (12.9300)				1				1		1	
	5145602	BUSHING								2			
3A	5146261	SPACER (1"O.D.X.44"I.D.X.38")				1				1		1	
3A	103341	WASHER, 3/8" (12.9190)						1	1				
3A	103342	WASHER, 7/16" FLAT (12.9190)	1	AR	1	1	1					1	2
	5156612	WASHER (11/16"O.D.X.44"I.D.X.38")								AR			
		* OBSOLETE.											
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE											
3A	5179232	RING, SEAL (2.4225)		4	2	2	2				2	2	4
3A	5135594	RING, SEAL	2							2			
3A	5182977	RING, SEAL						2	2				
		3.3070 - SPRING, AIR INLET HOUSING											
3A,B	5111904	SPRING (VALVE)	1	2	1	1	1	1	1	1	1	1	2
3A	5123743	SPRING (LATCH)	1			1						1	1
3A,C	5114124	SPRING (LATCH)			1		1	1	1		1		
3A	5112787	SPRING (LATCH)		1									
3A	5119328	SPRING (LATCH)		1						1			
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE											
	5182841	LEVER (2.9290)											1
3A,C	5114727	LATCH		2									1
3A	5112785	LATCH	1		1	1	1	1		1	1	1	
	5143576	LATCH							1				
	5143836	BUSHING (ECCENTRIC)				1	1			1			
3A	5113633	SPACER, 17/64"X7/8"	1	1	1	1		1	1		1	1	1
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)	1	1	1	1		1	1			1	1
	179803	BOLT, 1/2"-20X1 3/4" (12.9001)					1			1	1		
	120392	WASHER, 1/4" FLAT (12.9190)	AR	AR	AR	AR		AR	AR		AR	AR	AR
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		3.3095 - ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER											
	5113379	ROD (8 5/8"L.) (2.9360)											1
	5138027	LINK		1									
	5120472	BEARING, ROD END (2.9022)											2

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3944	3966	3977	4000	4056	4066	4088	4099	4110	4122	4133
		3.3095 - ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER(CONT'D)											
	9421638	SCREW, 5/16"-24X7/8" SOC. HD. (12.9027)		2									
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)											2
	103320	LOCKWASHER, 5/16" (12.9200)		AR									AR
	114493	NUT, 5/16"-24 HEX. (12.9120)											4
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET											
3A	5182841	LEVER (2.9290)											1
3A	5147640	LEVER											1
3A,C	5114974	HANDLE ASSY. (INCLUDES PIN)	1		1	1	1	1	1	1	1	1	
3A,B	5122982	CAM	1	1	1	1	1			1	1	1	
3A,B	5122623	CAM						1	1				
	273436	PIN, 1/8"X11/16" ROLL (12.9300)		1				1			1		1
	455533	PIN, 1/8"X7/8" SPRING (12.9275)								1			2
	453019	SCREW, 1/4"-20X1/2" (12.9010)									1		
	103342	WASHER, 7/16" FLAT (12.9190)									1		
		3.3310 - MANIFOLD, AIR INLET											
	5138024 *	ELBOW		2									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		8									
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		4									
	103321	LOCKWASHER, 3/8" (12.9200)		AR									
		* NOT SERVICED, USE 1 5134752 PLUS 2 5150131 PLUGS AND 1 5142549 PLUG.											

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4163	4183	4193	4244	4266	4277	4333	4355	4511	4544	4599	4622
		3.3001 - HOUSING ASSY., AIR INLET												
		A HOUSING ASSY. INCLUDES ITEMS IN 3.3003, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.												
	5137263	HOUSING ASSY. (FRONT) (16V)	1											
	5139222	HOUSING ASSY. (REAR) (16V)	1											
	5138028	HOUSING ASSY. (FRONT) (16V)		1										
	5138029	HOUSING ASSY. (REAR) (16V)		1										
	5100945	+ HOUSING ASSY. (8V)			1									
3B	**5139037**	HOUSING ASSY. (FRONT) (12V)				1								
3B	**5139036**	HOUSING ASSY. (REAR) (12V)				1								
3B	**5123650**	□ HOUSING ASSY. (12V)						1						
	5143432	# HOUSING ASSY. (FRONT) (5100943) (16V)							1					
	5143433	* HOUSING ASSY. (REAR) (5100950) (16V)							1					
3B	**5145148**	HOUSING ASSY. (FRONT) (12V)								1				
3B	**5145147**	HOUSING ASSY. (REAR) (12V)								1				
	5143431	* HOUSING ASSY. (REAR) (5100948) (16V)									1			
	5143430	# HOUSING ASSY. (FRONT) (5100947) (16V)									1			
3B	**5100940**	HOUSING ASSY. (8V)										1		
3A	**5146598**	@ HOUSING ASSY. (12V)											1	
3B	**5123644**	HOUSING ASSY. (8V)												1
		# NOT SERVICED; USE PART NO. SHOWN IN PARENTHESES & INC. (1) 5108016 TUBE & (1) 5148068												
		* NOT SERVICED; USE PART NO. SHOWN IN PARENTHESES & INC. (1) 5108017 TUBE & (1) 5148068 BRACKET.												
		@ NO LONGER AVAILABLE FOR SERVICE.												
		3.3003 - HOUSING, AIR INLET												
3A	**5136817**	# HOUSING	1											
3A	**5141746**	? HOUSING	1											
3A	**5137636**	HOUSING		2										
	5130798	HOUSING		2										
	5100951	HOUSING			1									
	5131763	HOUSING				2								
	5145173	HOUSING					1							
3A	**5122690**	HOUSING						1						
3A	**5143107**	+ HOUSING							2		2	1		
	5145045	HOUSING								2				
3A	**5131922**	* HOUSING											1	
3A	**5123608**	HOUSING												1
	5133846	STUD, 3/8"X10.64" (12.9117)								6				
	5135162	STUD, 3/8"X12" (12.9117)								6				
	9421747	PLUG, 3/8" CUP (12.9320)	1	1	1	1	1	1	1	1	1	1	1	1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4162	4182	4192	4242	4262	4272	4332	4352	4512	4542	4592	4622
		3.3003 - HOUSING, AIR INLET (CONT'D)												
	5121182	PLUG, 3/4" PIPE (12.9550)												1
	453019	SCREW, 1/4"-20X1/2"W/LW (12.9010)		2										
	179839	BOLT, 3/8"-16X1" (12.9001)					3							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	8	8	4	8		4	8					4
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		2										
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)						2						
	179851	BOLT, 3/8"-16X3" (12.9001)		6										
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		4		4								2
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)					3							
	455537	BOLT, 3/8"-16X4" (12.9001)		4										
	103341	WASHER, 3/8" FLAT (12.9190)		AR			AR			AR				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR				AR
	117049	NUT, 3/8"-24 HEX. (12.9120)								12				
		+ NOT SERVICED. USE 5145479 AND INCLUDE (2) 5145602 BUSHINGS.												
		# NOT SERVICED. USE 5145485 AND INCLUDE 2-5145602 BUSHINGS.												
		? NOT SERVICED. USE 5147140 AND INCLUDE 2-5145602 BUSHINGS.												
		* OBSOLETE.												
		3.3004 - ADAPTOR, AIR INLET HOUSING												
3A	5134835	ADAPTOR, 8V-71	2		1				2		2			
3A,B	5144122	ADAPTOR, 6V-71				2								
	5144121	ADAPTOR, 12V-71						1						
	5146023	ADAPTOR, 6V-71										1		
	5121182	PLUG, 1/4" PIPE SQ. HD. (12.9550)	2		1			1	2	1	2	1		
	5115214	PLUG, 1/2" PIPE (12.9550)				2		1						1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	12		6	12		8	12		20	6		6
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						4						
	103341	WASHER, 3/8" FLAT (12.9190)				4		4						2
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR		AR	AR		AR	AR		AR
		3.3010 - GASKET, AIR INLET HOUSING												
3A	5134838	GASKET	2						2		2	1		
3A	5138785	GASKET		2										
	5117358	GASKET (3.5418)		2										
3A	5143115	GASKET			1									
3A	5123703	GASKET				2								1
3A	5122692	GASKET						1						
3A	5117251	* GASKET (INTERCOOLER TO BLOWER) (3.5418)								2				
	5123750	GASKET (3.1261)												1
		* OBSOLETE.												
		3.3020 - PLATE, AIR INLET HOUSING STRIKER												
	5128839	PLATE		2										
	5128838	PLATE								2				

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 416	418	419	424	426	427	433	435	451	454	459	462
		3.3030 - GASKET, AIR INLET HOUSING STRIKER PLATE												
	5145086	GASKET		2										
	5145235	GASKET								2				
		3.3040 - VALVE, AIR INLET HSG. SHUTDOWN												
3A	5134836	VALVE	2		1				2		2	1		
3C	5128352	VALVE		4										
3A	5123684	VALVE				2								1
3A	5117315	VALVE						1					1	
3C	5123581	VALVE								4				
3C	455862	PIN, 1/8"X11/16" ROLL (12.9300)	4	8	2	4		2	4	8	4	4	2	
		3.3050 - SHAFT, AIR INLET HSG. SHUTDOWN												
3A	5122296	SHAFT (7.54"L.)			1							1		1
3A	5136017	SHAFT (8.54"L.)				1								
3A	5114168	SHAFT (9.00" L.)	2						1		2			
3A	5117249	SHAFT (9.48"L.)				1		1	1				1	
3A	5111878	SHAFT (15.90"L.)								2				
	5135407	SHAFT (16.50"L.)		1										
	5128356	SHAFT (17.40" L.)		1										
	5145602	BUSHING	4		2				4		4	2		
3A	5156612	SPACER (11/16"O.D.X.44"I.D.X.38")		2		1			1		2	1	1	1
3A	5146261	SPACER (1"I.D.X.44"I.D.X.38")	2		1	3		1	2	3	1	1	1	
3A	455862	PIN, 1/8"X11/16" ROLL (12.9300)	2	2	2	1			2	1	2	3		2
3A	453676	PIN, 1/8"X1" ROLL (12.9300)	2		1	3		1	2	3	1	1	1	
3A	103341	WASHER, 3/8" FLAT (12.9290)						1						
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE												
3A	5135594	RING, SEAL	4		2				4	4	2	2		2
	5179232	RING, SEAL (2.4225)		4		4		2					2	
		3.3070 - SPRING, AIR INLET HOUSING												
3A	5111904	SPRING (VALVE)	2	2	1	2		1	2	2	1	1	1	1
3A	5119328	SPRING (LATCH)	1		1				1		1	1		
3A	5114124	SPRING (LATCH)		1										
3A	5123743	SPRING (LATCH)				1		1					1	1
	5119327	SPRING (LATCH)								1				
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
	5134458	LEVER	1			1			1	1	1			
	5112785	LATCH	1	1	1			1	1	1	1	1	1	1
3A	5114727	LATCH				1								

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 416	418	419	424	426	427	433	435	451	454	459	462
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE (CONT'D)												
	5139430	PLATE, WARNING				1			1	1	1			
	5143836	BUSHING, ECCENTRIC			1				1		1	1	1	1
	5113633	SPACER (17/64"X7/8")	1	1		1		1		1				
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)	1	1		1		1	1	1				
	179803	BOLT, 1/4"-20X1 3/4" (12.9001)			1						1	1	1	1
	186629	BOLT, 5/16"-18X1" (12.9001)	1			1			1	1	1			
	120392	WASHER, 1/4" FLAT (12.9190)	1	1		1		1		1				
	5159714	WASHER, 11/16"X1/8" (2.7290)				1			1	1	1			
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR
	103320	LOCKWASHER, 5/16" (12.9200)	1			AR			1	AR	1			
		3.3095 - ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER												
	5135011	ROD (5/16"X3.50"L.)								1				
	5137832	ROD (5/16"X15.62"L.)				1								
	5114848	BEARING, ROD END (2.9730)	2						2		2			
	5120472	BEARING, ROD END (2.9022)				2								
	5145607	TUBE (36 3/4"L.)	1						1		1			
	5138027	LINK		1										
	5118951	JOINT, 5/16"-24 BALL (12.9680)								2				
	9421638	SCREW, 5/16"-24X7/8"SOC.HD. (12.9027)		2										
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)	2						2		2			
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)				2								
	103320	LOCKWASHER, 5/16" (12.9200)	2	2		2			2		2			
	114493	NUT, 5/16"-24 HEX. (12.9120)	2			4			2	4	2			
	103026	NUT, 3/8"-24 HEX. (12.9120)	2						2		2			
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET												
3A	5147640	LEVER	1			1			1	1	1			
	5122982	CAM	1	1	1	1		1	1	1	1	1	1	1
3A	5114974	HANDLE ASSY.			1			1	1			1	1	1
	455862	PIN, 1/8"X11/16" ROLL (12.9300)		1		1				1				
3A	455533	PIN, 1/8"X7/8" ROLL (12.9275)	2			1			1	1	2			
	454813	BOLT, 1/4"-20X7/8" (12.9001)									1			
	120380	LOCKWASHER, 1/4" (12.9200)									AR			

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3.3000A AIR INLET HOUSING

3.3001 - HOUSING ASSY, AIR INLET

▪ FOR TYPE 473 USE TYPE 467.▪
▪ FOR TYPE 480 USE TYPE 507.▪
A HOUSING ASSY. INCLUDES ITEMS IN 3.3003, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 466	467	469	470	474	475	476	477	482	483	484	485
3B	5139037	HOUSING ASSY. (FRONT) (16V)				1								
3B	5139036	HOUSING ASSY. (REAR) (16V)				1								
	5143432	# HOUSING ASSY. (FRONT) (5100943) (6-8V)			1					1				
	5100946	HOUSING ASSY. (8V)	1											
	5147247	HOUSING ASSY. (12V)		1			1							
	5147248	HOUSING ASSY. (12V)		1			1							
5C	5147210	HOUSING ASSY. (12V)						1	1					
5C	5147211	HOUSING ASSY. (12V)						1	1					
3D	5139020	HOUSING ASSY. (FRONT) (12V)									1			
3D	5137836	HOUSING ASSY. (REAR) (12V)									1			
3D	5147857	HOUSING ASSY. (8V)										1		
3D	5147856	HOUSING ASSY. (8V)											1	
3D	5147666	HOUSING ASSY. (8V)												1

NOT SERVICED; USE PART NO. SHOWN IN PARENTHESES & INC. (1) 5148004 TUBE & (1) 5148068 BRACKET.

3.3003 - HOUSING, AIR INLET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 466	467	469	470	474	475	476	477	482	483	484	485
3A	5137636	HOUSING										1		
	5100951	HOUSING	1											
	5131763	HOUSING				2					2			1
3A	5143107	+ HOUSING (5100893)			1					1				
	5145045	HOUSING		2		2	2		2					
	5144941	HOUSING											1	
	5133846	STUD, 3/8"X10.64" (12.9117)					6							
	5135162	STUD, 3/8"X12" (12.9117)					6							
	9421749	PLUG, 5/8" CUP (12.9320)	1	1	1	1	1	1	1	1	1	1	1	1
	5121182	PLUG, 3/4" PIPE (12.9550)				2					2			1
	5142549	PLUG, 1/2" PIPE (12.9550)		4			4	4	4			1		
	453019	SCREW, 1/4"-20X1/2"W/LW (12.9010)		2										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4		4					4				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				10								
	186622	BOLT, 3/8"-16X1 3/8" (12.9001)									8			4
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										1		
	179851	BOLT, 3/8"-16X3" (12.9001)		6				6	6			3	3	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				4					4			2
	455537	BOLT, 3/8"-16X4" (12.9001)										2	3	
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)		6				6	6					
	103341	WASHER, 3/8" FLAT (12.9190)		AR		AR	AR			AR		AR	AR	

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 466	467	469	470	474	475	476	477	482	483	484	485
		3.3003 - HOUSING, AIR INLET (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 HEX. (12.9120)					12							
		+ NOT SERVICED; USE PART NO. SHOWN IN PARENTHESES & INC. (2) 5145602 BUSHING.												
		3.3004 - ADAPTOR, AIR INLET HOUSING												
3A	5134835	ADAPTOR, 8V-71	1		1									
3A,B	5144122	ADAPTOR, 6V-71									2			
	5146023	ADAPTOR, 6V-71								1				
3A	5123610	ADAPTOR, 8V-71				2								1
	5138024	* ELBOW										1		
	5121182	PLUG, 1/4" PIPE SQ. HD. (12.9550)	1		1	1				1				
	5115214	PLUG, 1/2" PIPE (12.9550)				2					2			1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	6		6	12				6	12			6
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										4		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)										2		
	103341	WASHER, 3/8" FLAT (12.9190)				4					4			2
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR				AR	AR	AR		AR
		* NOT SERVICED, USE 5134752 PLUS (2) 5150131 PLUGS AND (1) 5145013 PLUG.												
		3.3010 - GASKET, AIR INLET HOUSING												
3A	5134838	GASKET	1		1					1				
3A	5138785	GASKET										1		
3A	5123703	GASKET				2					2			1
	5147423	GASKET (3.5418)					2							
		3.3020 - PLATE, AIR INLET HSG. STRIKER												
	5128838	PLATE		2			2	2	2					
	5128839	PLATE											1	
		3.3030 - GASKET, AIR INLET HOUSING STRIKER PLATE												
	5145235	GASKET		2			2	2	2					
	5145086	GASKET											1	
		3.3040 - VALVE, AIR INLET HSG. SHUTDOWN												
3A	5134836	VALVE	1		1					1				
3C	5128352	VALVE										2	2	
3A	5123684	VALVE				2					2			1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 466	467	469	470	474	475	476	477	482	483	484	485
		3.3040 - VALVE, AIR INLET HSG. SHUTDOWN (CONT'D)												
3C	5123581	VALVE		4			4	4	4					
3C	455862	PIN, 1/8"X11/16" ROLL (12.9300)	2	4	2	4	10	8	8	2	4	4		
		3.3050 - SHAFT, AIR INLET HSG. SHUTDOWN												
3A	5122296	SHAFT (7.54" L.)	1											1
3A	5136017	SHAFT (8.54" L.)				1					1			
3A	5117249	SHAFT (9.48" L.)			1	1				1	1			
3A	5111878	SHAFT (15.90" L.)		2			2	2	2			1		
	5135407	SHAFT (16.50" L.)											1	
	5128356	SHAFT (17.40" L.)												
	5145602	BUSHING	2		2					2				
3A	5156612	SPACER (11/16"O.D.X.44"I.D.X.38")	1		1	3					1			
3A	5146261	SPACER (1"I.D.X.44"I.D.X.38")		3			3	2		1	2			
3A	455862	PIN, 1/8"X11/16" ROLL (12.9300)	1		1	2		1	1		1		4	2
3A	453676	PIN, 1/8"X1" ROLL (12.9300)		1			3	3	3	1	2			
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE												
3A	5135594	RING, SEAL	2	4	2		4	4	4	2			2	
	5179232	RING, SEAL (2.4225)				4					4	2	2	2
		3.3070 - SPRING, AIR INLET HOUSING												
3A	5111904	SPRING (VALVE)	1	2	1	2	2	2	2	1	2	1	1	1
3A	5119328	SPRING (LATCH)	1		1					1				
3A	5114124	SPRING (LATCH)											1	
3A	5123743	SPRING (LATCH)				1					1			1
	5119327	SPRING (LATCH)		1			1	1	1					
3A	5112787	SPRING (LATCH)										1		
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
	5112785	LATCH	1	1	1		1	1	1	1		1	1	
3A	5114727	LATCH				1					1			1
	5139430	PLATE, WARNING		1			1	1	1					
	5143836	BUSHING, ECCENTRIC	1	1	1	1	1	1	1	1	1	1	1	1
	179803	BOLT, 1/4"-20X1 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
	186629	BOLT, 5/16"-18X1" (12.9001)				1								
	5159714	WASHER, 11/16"X1/8" (2.7290)		1		2	1	1	1					
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103320	LOCKWASHER, 5/16" (12.9200)				1								

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4666	4667	4669	4670	4674	4675	4676	4677	4682	4683	4684	4685
		3.3095 - ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER												
	5135011	ROD (5/16"X3.50"L.)		1			1	1	1					
	5137832	ROD (5/16"X15.62"L.)									1			
	5114848	BEARING, ROD END (2.9730)				2								
	5120472	BEARING, ROD END (2.9022)									2			
	5145724	TUBE (23 5/8"L.)				1								
	5118951	JOINT, 5/16"-24 BALL (12.9680)		2			2	2	2					
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)				2								
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)									2			
	103320	LOCKWASHER, 5/16" (12.9200)		2		2	2	2	2		2			
	114493	NUT, 5/16"-24 HEX. (12.9120)		4		2	4	4	4		4			
	103026	NUT, 3/8"-24 HEX. (12.9120)				2								
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET												
3A	5147640	LEVER				1		1	1		1			
	5124371	LEVER (2.9410)		2			2	1	1					
3A	5182841	LEVER (2.9290)				1					1			
	5122982	CAM	1	1	1	1	1	1	1	1		1	1	1
3A	5114974	HANDLE ASSY.	1		1					1		1	1	1
	5146261	SPACER, THICK (3.3050)											1	
	455862	PIN, 1/8"X11/16" ROLL (12.9300)				1					1	1	1	1
3A	455533	PIN, 1/8"X7/8" ROLL (12.9275)		2		3	2	2	2		2			
	453019	SCREW, 1/4"-20X1/2" W/LW (12.9010)										1		
	454813	BOLT, 1/4"-20X7/8" (12.9001)		2		1	2	2	2		2			
	103342	WASHER, 7/16" FLAT (12.9190)										1	1	
	120380	LOCKWASHER, 1/4" (12.9200)		AR		AR	AR	AR	AR		AR			

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3.3000A AIR INLET HOUSING

3.3001 - HOUSING ASSY., AIR INLET

- FOR TYPES 492, 493 USE TYPE 491.▪
- FOR TYPE 502 USE TYPE 823.▪

INCLUDES ITEMS IN 3.3003, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 489	490	491	492	493	495	497	507	510	511	520	521	522	528
	5100946	* HOUSING ASSY. (8V) (8926723)	1													
	5100947	* HOUSING ASSY. (FRONT) (16V) (8926720)		1									1			
	5100948	* HOUSING ASSY. (REAR) (16V) (8926719)		1									1			
	5100949	* HOUSING ASSY. (FRONT) (16V) (8926718)			1	1	1									
	5100950	* HOUSING ASSY. (REAR) (16V) (8926717)			1	1	1									1
	5147980	HOUSING ASSY. (8V)							1							
	5135657	HOUSING ASSY. (FRONT) (16V)								1						
	5135658	HOUSING ASSY. (REAR) (16V)								1						
	5147923	HOUSING ASSY. (FRONT) (16V)									1					
	5147922	HOUSING ASSY. (REAR) (16V)									1					
	5100940	* HOUSING ASSY. (6-8V) (8926726)												1	1	
	5100943	* HOUSING ASSY. (FRONT) (16V) (8926725)														1
		* NOT SERVICED, FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.														

3.3003 - HOUSING, AIR INLET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 489	490	491	492	493	495	497	507	510	511	520	521	522	528
	5144452	* HOUSING (8926710)	1													
3E	8926710	HOUSING (W/3/4" NPTF HOLE)		2	2	2	2						2			1
3A	8926706	HOUSING						2								
	5123608	HOUSING (W/1/4" NPTF HOLE)							1							
	5137636	HOUSING (W/3/4" NPTF HOLE)								2						
	5147109	@ HOUSING (5101722)									2					
	5124087	+ HOUSING (FRONT)										1				
	5124088	+ HOUSING (REAR)										1				
	5100893	HOUSING												1	1	1
	9421747	PLUG, 5/8" CUP (12.9320)	1	1	1			1	1	1	1	1	1	1	1	1
	5121182	PLUG, 1/4" PIPE (12.9550)										2				2
	5142549	PLUG, 3/4" PIPE (12.9550)								2						
	5133846	STUD, 3/8"-16-24X10.64" L. (12.9117)										6				
	5135162	STUD, 3/8"-16-24X12.00" L. (12.9117)										6				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	8	8	8	8	3					8	4	4	8
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							4							
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									8					
	179847	BOLT, 3/8"-16X2" (12.9001)								2						
	179851	BOLT, 3/8"-16X3" (12.9001)						3								
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							2	6						
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)						5								
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)						1		4						
	103341	WASHER, 3/8" (12.9190)				8	8	12		12		12			4	
	103321	LOCKWASHER, 3/8" (12.9200)	4	8	8	8	8	12	6	12	8	12	8	4	4	8
	103026	NUT, 3/8"-24 HEX. (12.9120)										12				
		* NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES.														
		@ NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES AND ALSO INCLUDE 1-5142549 PLUG.														

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 489	490	491	492	493	495	497	507	510	511	520	521	522	528
		3.3003 - HOUSING, AIR INLET (CONT'D)														
		+ OBSOLETE.														
		3.3004 - ADAPTOR, AIR INLET HOUSING														
3A	5134835	ADAPTOR, 8V-71	1	2	2	2	2						2	1		2
3A	5123610	ADAPTOR, 8V-71							1							
3A	5148792	ADAPTOR, 8V-71									2					
	5146023	ADAPTOR, 6V-71													1	
	5121182	PLUG, 1/4" PIPE (12.9550)	1	2	2	2	2						2		1	
	5115214	PLUG, 1/2" PIPE (12.9550)							1					1		
3A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	6	12	12	12	12		6				12	6	6	12
3A	186628	BOLT, 3/8"-16X1 1/2" (12.9001)									12					
	103341	WASHER, 3/8" FLAT (12.9190)				12	12		2							
	103321	LOCKWASHER, 3/8" (12.9200)	6	12	12	12	12		6		12		12	6	6	12
		3.3010 - GASKET, AIR INLET HOUSING														
3A	5134838	GASKET	1	2	2	2	2				2		2	1	1	2
3A	5123703	GASKET							1							
3A	5145086	GASKET, STRIKER PLATE (3.3030)								2						
3A	5117251	GASKET (3.5418)										2				
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN														
3A	5134836	VALVE	1	2	2	2	2				2		2	1	1	2
3A	5123684	VALVE							1							
3C	5128352	VALVE								4						
3C	455862	PIN, 1/8"X11/16" ROLL (12.9275)	2	4	4				2		4		4	2	1	4
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN														
3A	5122296	SHAFT (7.54" L.)	1											1	1	
3A	5114168	SHAFT (9.00" L.)		2	1	1	1		1		2		2			
3A	5117249	SHAFT (9.48" L.)			1	1	1									1
	5128356	SHAFT (17.40" L.)								2						
3A	5156612	SPACER (11/16"O.D.X.44"I.D.X.38")	1													
3A	5146261	SPACER (1"O.D.X.44"I.D.X.38")		3	3	3	3		1		3		3	1	1	3
3A	273436	PIN, 1/8"X11/16" ROLL (12.9300)	1			4	4			8						
3A	453676	PIN, 1/8"X1" ROLL (12.9300)		3	3	3	3		1		3		3	1	1	3
	5145602	BUSHING		4	4	4	4				4		4	2	2	4

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 489	490	491	492	493	495	497	507	510	511	520	521	522	528
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE														
3A	5135594	RING, SEAL	2	4	4	4	4		2	4	4		4	2	2	4
	5179232	RING, SEAL (2.4225)														
		3.3070 - SPRING, AIR INLET HOUSING														
3A	5111904	SPRING (VALVE)	1	2	2	2	2		1	2	2		2	1	1	2
3A	5119328	SPRING (LATCH)		1							1		1	1	1	1
3A	5123743	SPRING (LATCH)							1							
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE														
	5134458	LEVER				1	1				1		1			1
3A	5112785	LATCH	1	1	1	1	1		1		1		1	1	1	1
3A	5114727	LATCH								1						
	5143836	BUSHING, ECCENTRIC	1	1	1	1	1		1	1	1		1	1	1	1
	5139430	PLATE, WARNING				1	1						1			1
	179803	BOLT, 1/4"-20X1 3/4" (12.9001)	1	1	1	1	1		1	1	1		1	1	1	1
	186629	BOLT, 5/16"-18X1" (12.9001)				1	1						1			1
	5159714	WASHER, 11/16"X1/8" (2.7290)				1	1						1			1
	120380	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1		1	1	1		1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)				1	1									1
		3.3095 - ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER														
	5138027	LINK								1						
	5148346	TUBE (33.62" L.)									2					
	5145607	TUBE (36 3/4" L.)				1	1						1			
	5114848	BEARING, ROD END (2.9730)				2	2				2		2			
	9421638	SCREW, 5/16"-24X7/8" SOL.HD. (12.9027)								2						
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)				2	2				2		2			
	103320	LOCKWASHER, 5/16" (12.9200)				2	2			2	2		2			
	114493	NUT, 5/16"-24 HEX. (12.9120)				2	2				2		2			
	103026	NUT, 3/8"-24 HEX. (12.9120)				2	2				2		2			
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET														
	5147640	LEVER		1	1	1	1		1		1		1			1
	5138526	LEVER							1							
3A	5114974	HANDLE ASSY.	1		1	1	1		1					1	1	1
3A	5122982	CAM	1	1	1	1	1		1	1	1		1	1	1	1

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3.3000A AIR INLET HOUSING

3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET (CONT'D)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 489	490	491	492	493	495	497	507	510	511	520	521	522	528
	5108536	SPACER,							1							
	455862	PIN, 1/8"X11/16" ROLL (12.9300)								5						
3A	455533	PIN, 1/8"X7/8" ROLL (12.9275)		2	1	1	1				2		2			1
	453019	SCREW, 1/4"-20X1/2" (W/LW) (12.9010)								3						
	179796	BOLT, 1/4"-20X7/8" (12.9001)		1	1	1	1		1		2		1			1
	217947	BOLT, 5/16"-24X5/8" (12.9001)							1							
	103342	WASHER, 7/16" FLAT (12.9190)								AR						
	103319	LOCKWASHER, 1/4" (12.9200)		1	1	1	1		1		2		1			1
	103320	LOCKWASHER, 5/16" (12.9200)							1							

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 529	530	532	536	537	538	539	540	541	544	549	550	551	552
		3.3001 - HOUSING ASSY., AIR INLET														
		INCLUDES ITEMS IN 3.3003, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.														
	5100949	HOUSING ASSY. (FRONT) (16V)	1													
	5100950	HOUSING ASSY. (REAR) (16V)	1													
	5100943	HOUSING ASSY. (FRONT) (6V)			1											
	5123644	HOUSING ASSY. (12V)		1												
	5135893	HOUSING ASSY. (12V)		1												
	5101465	HOUSING ASSY. (8V)				1										
3E	5101726	HOUSING ASSY. (FRONT) (16V)					1									
3E	5101725	HOUSING ASSY. (REAR) (16V)					1									
3E	5101676	HOUSING ASSY. (6V)						1								
3E	5101675	HOUSING ASSY. (FRONT) (16V)							1							
3E	5101724	HOUSING ASSY. (REAR) (16V)							1							
3E	5101923	HOUSING ASSY. (FRONT) (16V)								1						
	5147173	HOUSING ASSY. (12V)								1				1		
3E	5101924	HOUSING ASSY. (REAR) (16V)									1					
	5147247	HOUSING ASSY. (12V)									1					
	5147248	HOUSING ASSY. (12V)										1				
3B	5102487	HOUSING ASSY. (FRONT) (16V)										1				
3B	5139036	HOUSING ASSY. (REAR) (16V)														
		3.3003 - HOUSING, AIR INLET														
	5100951	HOUSING	2													
	5100893	HOUSING		2		1										
	5123608	HOUSING			1											
	5101281	HOUSING					2									
	5101722	HOUSING														1
	5136789	HOUSING						1								
	5101674	HOUSING							2							
	5101673	HOUSING								2					1	
	5102524	HOUSING									2					
	5147109	HOUSING											2			
	5145045	HOUSING												1	1	
	5137389	HOUSING														
	5131763	HOUSING														
	5103259	HOUSING														
	9421747	PLUG, 5/8" CUP (12.9320)	1	1	1	1	1	1	1	1	1	1	2		1	1
	5121182	PLUG, 1/4" PIPE (12.9550)	2		1		1		1			2			2	1
	5142549	PLUG, 3/4" PIPE (12.9550)										2				
	5115214	PLUG, 1/2" PIPE (12.9550)										6				
	5133846	STUD, 3/8"-16-24X10.64"L. (12.9117)										6				
	5135162	STUD, 3/8"-16-24X12.00"L. (12.9117)												5		
	179839	BOLT, 3/8"-16X1" (12.9001)							4	8						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	8		8	4			4	8			10			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)														

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 529	530	532	536	537	538	539	540	541	544	549	550	551	552
		3.3003 - HOUSING, AIR INLET (CONT'D)														
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					8			8						
	179845	BOLT, 3/8"-16X1 3/4" (12.9001)											1			
	190911	BOLT, 3/8"-16X2 7/8" (12.9001)													3	3
	179851	BOLT, 3/8"-16X3" (12.9001)				6										
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		4								4		6		
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)													3	3
	455537	BOLT, 3/8"-16X4" (12.9001)				3										
	186289	BOLT, 3/8 -16X5" (12.9001)												6		
	103341	WASHER, 3/8" (12.9190)				AR	AR		AR		AR	AR	AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 HEX. (12.9120)									AR					
		3.3004 - ADAPTOR, AIR INLET HOUSING														
3A	5134835	ADAPTOR, 8V-71	2						2							
3A	5148792	ADAPTOR, 8V-71					2			2						
	5146023	ADAPTOR, 6V-71			1			1								
	5144122	ADAPTOR, 6V-71		2												
	5121182	PLUG, 1/4" PIPE (12.9550)			1	2										
	5115214	PLUG, 1/2" PIPE (12.9550)		2												
3A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	12	12	6			6	12							
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					12			12						
	103341	WASHER, 3/8" FLAT (12.9190)		4			12	6	12							
	103321	LOCKWASHER, 3/8" (12.9200)	12	12	6		12	6	12	12						
		3.3010 - GASKET, AIR INLET HOUSING														
3A	5134838	GASKET	2		1		2	1	2	2						
3E	5128033	GASKET (3.4025)				1			2							
3A	5123703	GASKET		2								2				
3E	5103515	GASKET (3.4025)						1			2					
		3.3020 - PLATE, AIR INLET HSG. STRIKER														
	5128838	PLATE									2			2		
	5128839	PLATE				1										
		3.3030 - GASKET, AIR INLET HOUSING STRIKER PLATE														
	5145235	GASKET									2			2		
	5145086	GASKET				1										

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 529	530	532	536	537	538	539	540	541	544	549	550	551	552
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN														
3A	5134836	VALVE	2		1		2	1	2	2		2				
3A	5123684	VALVE		2		2										
3C	5128352	VALVE									2			2		
3C	5123581	VALVE												4		
3C	273431	PIN, 1/8"X11/16" ROLL (2.9300)														
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN														
3A	5122296	SHAFT (7.54" L.)		2				1								
3A	5114168	SHAFT (9.00" L.)	1				2		2	2		1				
3A	5117249	SHAFT (9.48" L.)	1		1									1		
	5128226	SHAFT (13.64 L.)				1										
3A	5128536	SHAFT (17.40"L.)									2					
3A	5111878	SPACER (1"O.D.X.44"I.D.X.38")	3	2	1		3	1	3	3	2	3				
3A	5146261	PIN, 1/8"X11/16" ROLL (12.9300)		3	2	4		2			8	4		1		
3A	455862	PIN, 1/8"X1" ROLL (12.9300)	3	4	1		3	1	3	3	3	3				
3A	453676	BUSHING	4		2		4	2	4	4				AR		
	5145602	WASHER, 7/16" FLAT (12.9190)		AR	AR											
3A	103342															
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE														
3A	5135594	RING, SEAL	4	2	2	2	4	2	4	4	2					
	5179232	RING, SEAL (2.4225)		2		2						4		2		
		3.3070 - SPRING, AIR INLET HOUSING														
3A	5111904	SPRING (VALVE)	2	2	1	1	2	1	2	2	2	2		1		
OA	5119328	SPRING (LATCH)			1		1	1	1							
3A	5123743	SPRING (LATCH)		1							1	1				
	5119327	SPRING (LATCH)				1										
	5114124	SPRING (LATCH)														
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE														
	5134458	LEVER	1				1		1	1	1			1		
3A	5112785	LATCH	1	1	1	1	1	1	1	1	1	1	1			
	5143836	BUSHING, ECCENTRIC	1							1		1				
	5139430	PLATE, WARNING												1		
	5113633	SPACER, (17/64"X7/8")												1		
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)					1				1					
	179796	BOLT, 1/4"-20X7/8" (12.9001)					1				1					
	179803	BOLT, 1/4"-20X1 3/4" (12.9001)	1	1	1	1		1	1	1		1	1			

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 529	530	532	536	537	538	539	540	541	544	549	550	551	552
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE (CONT'D)														
	186629	BOLT, 5/16"-18X1" (12.9001)	1						1							
	120392	WASHER, 1/4" FEAT (12.9190)												1		
	5159714	WASHER, 11/16"X1/8" (2.7290)	1						1		1					
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1		1		
	103320	LOCKWASHER, 5/16" (12.9200)	1						1							
		3.3095 - ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER														
	5137923	ROD ASSY.		1												
	5135011	ROD									1					
	5145607	TUBE (36 3/4" L.)	1						1							
	5148346	TUBE (36 3/4"L.)					2			2						
	5118951	JOINT, 5/16"-24 BALL (12.9680)									2					
	5145724	TUBE (23 5/8"L.)										1				
	5114848	BEARING, ROD END (2.9730)	2				2		2	2		2				
	455734	PIN, SPRING TYPE A 1/8"X3/4" (12.9300)		2												
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)	2				2		2	2		2				
	103320	LOCKWASHER, 5/16" (12.9200)	2				2		2	2	2	22				
	114493	NUT, 5/16"-24 HEX. (12.9120)	2				2		2	2	4	2				
	103026	NUT, 3/8"-24 HEX. (12.9120)	2				2		2	2		2				
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET														
3A	5182841	LEVER (2.9290)					1		1	1		1				
	5124371	LEVER (2.9410)									2					
	5147640	LEVER	1				1		1	1		1				
3A	5114974	HANDLE ASSY.	1	1	1	1		1		1				1		
3A	5122982	CAM	1	1	1	1	1	1	1	1	1	1		1		
	5108536	SPACER										1				
	455862	PIN, 1/8"X11/16" ROLL (12.9650)				1				4						
3A	455533	PIN, 1/8"X7/8" ROLL (12.9275)	1				3		2	3	3	1				
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1				2		2	2	2	2				
	103319	LOCKWASHER, 1/4" (12.9200)	AR				AR		AR	AR	AR	AR				

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 553	556	557	558	559	571	579	585	592	593	610	612	616	619
		3.3001 - HOUSING ASSY., AIR INLET														
		▪ FOR TYPE 562 USE TYPE 683▪														
		▪ FOR TYPE 582 USE TYPE 689▪														
		INCLUDES ITEMS IN 3.3003, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.														
	5147248	HOUSING ASSY. FRT. (12V)							1							
	5100943	HOUSING ASSY. (6V)	1						1							
3B	5147247	HOUSING ASSY. RR. (12V)									1					
	5106447	HOUSING ASSY. (8V)										1				
	5106296	HOUSING ASSY. (8V)														
		3.3003 - HOUSING, AIR INLET														
									2					1	1	
3A	5145045	HOUSING (12V)														
	5130798	HOUSING (8V)		1				1								1
	5103521	HOUSING (8V)										1				
	5103932	HOUSING (16V)			1											
	5106186	HOUSING (8V)					1									
	5103814	HOUSING (6V)											1			
	5103606	HOUSING (6V)											1			
	5133833	HOUSING (12V)														
	5107148	HOUSING (12V)	1										1	1	1	
	5100893	HOUSING (6V)							2							2
	5107159	PLATE, BLR. STEP						1	2							
	5115214	PLUG, 1/2" PIPE (12.9550)							6							
	5142549	PLUG, 3/4" PIPE (12.9550)							6							
	5133846	STUD, 3/8" X 10.64 SPL.										4		6	6	
	5135162	STUD, 3/8" X 12.00 SPL.	6											4	4	
	186619	BOLT, 3/8"-16X1 1/8 (12.9001)											1			10
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)		5	6	5	6									2
	179839	BOLT, 3/8"-16 X 1" (12.9001)											3			
	179845	BOLT, 3/8"-16 X 1 3/4" (12.9001)		1	1	1	1							2	2	
	179846	BOLT, 3/8"-16 X 1 7/8" (12.9001)											3			
	179851	BOLT, 3/8"-16 X 3" (12.9001)											5			
	186283	BOLT, 3/8"-16 X 3 1/2" (12.9001)														
	114926	BOLT, 3/8"-16 X 4 1/4" (12.9001)														
	186290	BOLT, 3/8"-16 X 6" (12.9001)	6	6	6	6	6		12		4		12	6	6	12
	103341	WASHER, 3/8" (12.9190)	6	6	6	6	6	6	12		4		12	6	6	12
	103321	LOCKWASHER, 3/8" (12.9200)							12							
	117049	NUT, 3/8"-24 (12.9120)														
		3.3004 - ADAPTOR, AIR INLET HOUSING														
												1	1			
	5134835	ADAPTOR, 8V-71														1
	5123610	ADAPTOR, 8V-71	1								1					
	5146023	ADAPTOR, 6V-71													1	
	5103931	ADAPTOR, 6V-71										1	1			
	5144122	ADAPTOR, 6V-71	1								2					
	5121182	PLUG, 1/4" PIPE (12.9550)									12					
	5142549	PLUG, 3/4" PIPE (12.9550)										6	10		6	6
	179839	BOLT, 3/8"-16 X 1" (12.9001)	4								12	6	10		6	6
3A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4								12	6	10		6	6
	103341	WASHER, 3/8" FLAT (12.9190)	4													
	103321	LOCKWASHER, 3/8" (12.9200)														
		3.3010 - GASKET, AIR INLET HOUSING														
												1	1			
3A	5134838	GASKET	1											2		
3E	5103515	GASKET (3.4025)	1													

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 553	556	557	558	559	571	579	585	592	593	610	612	616	619
		3.3020 - PLATE, AIR INLET HOUSING STRIKER														
	5128838	PLATE							2							
		3.3030 - GASKET, AIR INLET HOUSING STRIKER PLATE														
	5145235	GASKET							2							
	5147423	GASKET (3.5418)							2							
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN														
3A	**5134836**	VALVE	1									1				
	5123581	VALVE							4							
3C	**455862**	PIN, 1/8"X11/16" ROLL (12.9300)	2													
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN														
	5111878	SHAFT (15.90" L.)						2								
	5117249	SHAFT (9.48" L.)	1													
	5122296	SHAFT (7.54" L.)								2	1					
	5146261	SPACER (1" O.D. X .44" I.D. X .38)	1					2		1	1					
	453676	PIN, 1/8" X 1" ROLL (12.9300)	1					2		1	1					
	5145602	BUSHING	2							2	2					

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 553	556	557	558	559	571	579	585	592	593	610	612	616	619
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE														
	5135594	RING, SEAL	2						4		2	2				
		3.3070 - SPRING, AIR INLET HOUSING														
	5111904	SPRING (VALVE)	1						2		1	1				
	5119328	SPRING (LATCH)	1						1		1	1				
	5119327	SPRING (LATCH)														
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE														
	5112785	LATCH	1						1		1	1				
	5143836	BUSHING, ECCENTRIC	1						1		2	1				
	179803	BOLT, 1/4"-20 X 1 3/4" (12.9001)	1						1		1	1				
	103319	LOCKWASHER, 1/4" (12.9200)	1						1		1	1				
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET														
	5114974	HANDLE ASSY.	1						2		1	1				
	5124371	LEVER (2.9410)		1					1		1	1				
	5122982	CAM							3							
	455533	PIN, 1/8" X 7/8" ROLL (12.9275)							2							
	179796	BOLT, 1/4"-20 X 7/8" (12.9001)							2							
	103319	LOCKWASHER, 1/4" (12.9200)														

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 620	631	632	633	634	635	636	645	662	665	667
		3.3001 - HOUSING ASSY., AIR INLET											
		▪ FOR TYPE 640 USE TYPE 687▪ INCLUDES ITEMS IN 3.3003, 3.3040, 3.3050, 3.3055, 3.3070, 3.3090 AND 3.3110.											
3B	**5123644**	HOUSING ASSY. (6, 8V)		1							1		
		3.3003 - HOUSING, AIR INLET											
3A	**5102526**	HOUSING	1										
3A	**5123608**	HOUSING		1							1		
3C	**8920614**	HOUSING			1			1					
3C	**5108084**	HOUSING				1			1				
3C	**8920670**	HOUSING					1						
3C	**5102496**	HOUSING								2			
3A	**5121182**	PLUG, 1/4" PIPE (12.9550)	1								2		
3A	**5142549**	PLUG, 3/4" PIPE (12.9550)			1			1		2			
3A	**9421747**	PLUG, 5/8" CUP (12.9320)									1		
3A	**186622**	BOLT, 3/8"-16 X 1 1/4" (12.9001)	4	4							4		
3A	**179850**	BOLT, 3/8"-16 X 2 3/4" (12.9001)	2										
3A	**179851**	BOLT, 3/8"-16 X 3" (12.9001)								6			
3A	**186283**	BOLT, 3/8"-16 X 3 1/2" (12.9001)		2							2		
3A	**114926**	BOLT, 3/8"-16 X 4 1/4" (12.9001)								6			
3A	**103341**	WASHER, 3/8" (12.9190)	AR	AR						AR	AR		
3A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR						AR	AR		
		3.3004 - ADAPTOR, AIR INLET HOUSING											
3A	**8921039**	ADAPTOR, 12V-71											1
3A	**5144121**	ADAPTOR, 6V-71	1										
3A	**5144122**	ADAPTOR, 6V-71		1								1	
3A	**5134835**	ADAPTOR, 8V-71			1	1	1						
3A	**5146023**	ADAPTOR, 6V-71						1	1				
3A	**5123610**	ADAPTOR, 8V-71									1		
	5121182	PLUG, 1/4" PIPE (12.9550)			1	1	1	1	1				
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1							1	1	
	5142549	PLUG, 3/4" PIPE (12.9550)											2
	179839	BOLT, 3/8"-16X1" (12.9001)											12
3A	**186619**	BOLT, 3/8"-16 X 1 1/8" (12.9001)	8	6	10	10	10	10	10		6	6	
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)	4										
3A	**103341**	WASHER, 3/8" (12.9190)	12	6	10	10	10	10	10		6	6	12
3A	**103321**	LOCKWASHER, 3/8" (12.9200)	12	6	10	10	10	10	10		6	6	12
		3.3010 - GASKET, AIR INLET HOUSING											
3C	**5134838**	GASKET			1	1	1	1	1				
3A	**5122692**	GASKET	1										
3A	**5123703**	GASKET		1							1		
		3.3040 - VALVE AIR INLET HOUSING SHUTDOWN											
3A	**5123684**	VALVE		1							1		
3C	**455862**	PIN, 1/8" X 11/16" ROLL (12.9300)		2							2		
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN											
3A	**5122296**	SHAFT		1							1		
3A	**455862**	PIN, 1/8" X 11/16" ROLL (12.9300)		1							1		
	5198564	* BUSHING		AR							AR		

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6201	6331	6332	6333	6334	6335	6336	6445	6622	6665	6667
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN (CONT'D)											
	103341	WASHER, 3/8" FLAT (12.9190)									1		
	103342	WASHER, 7/16" FLAT (12.9190)		1							1		
	5156612	WASHER (11/16" O.D.X.44" I.D.X.38") *											
		* USED TO REWORK SHAFT HOLES IN AIR INLET HOUSINGS.											
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE											
3A	5135594	RING, SEAL		2							2		
3A	5179232	RING, SEAL (2.4225)											
		3.3070 - SPRING, AIR INLET HOUSING											
3A,B	5111904	SPRING (VALVE)		1							1		
3A	5123743	SPRING (LATCH)		1							1		
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE											
3A	5112785	LATCH		1							1		
	5143836	BUSHING (ECCENTRIC)		1							1		
	5113633	SPACER									1		
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)									AR		
	120392	WASHER, 1/4" (12.9120)											
	179803	BOLT, 1/2"-20 X 1 3/4" (12.9001)		1							AR		
	120380	LOCKWASHER, 1/2" (12.9200)		AR									
		3.3094 - KIT, UNITIZED AIR SHUTDOWN											
		A KIT CONSISTS OF ITEMS IN 3.3094.											
	5198310	+ KIT, CONVERSION, MARINE									AR		
	5137677	+ SHAFT (3.3050)									1		
	5136192	COUPLING (3.3090)									2		
	5147640	LEVER									1		
	179796	BOLT, 1/4"-20X7/8" (12.9001)									1		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)									4		
	103319	LOCKWASHER, 1/4" (12.9200)									1		
	103320	LOCKWASHER, 5/16" (12.9200)									4		
	5137715	* TUBE ASSY. (4.8001)									1		
	5121894	GASKET (4.8020)									1		
	179839	BOLT, 3/8"-16X1" (12.9001)									2		
	103341	WASHER, 3/8" (12.9190)									1		
	103321	LOCKWASHER, 3/8" (12.9200)									2		
		* REMOVE BREATHER TUBE FROM FRONT OF BLOCK AND REPLACE WITH 5137715.											
		+ OBSOLETE.											
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET											
3A	5114974	HANDLE ASSY. (INCLUDES PIN)			1						1		
3A,B	5122982	CAM			1						1		

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 620	631	632	633	634	635	636	645	662	665	667
		3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN CONTROL											
		CUSTOMER MUST DETERMINE PROPER WIRE AND ATTACHING PARTS REQUIRED FOR AN INSTALLATION.											
	5146239	WIRE ASSY. (90" L.) (2.9422)									1		
	5146946	WIRE ASSY. (7 1/4" L.)									1		
	5146241	WIRE ASSY. (COATED) (90" L.)									1		
	103341	WASHER, 3/8" (12.9190)									1		
	110730	LOCKWASHER, 3/8" (12.9200)									1		
	122236	NUT, 3/8"-24 (12.9120)									1		
		3.3260 - PLATE, AIR INLET HOUSING SHUTDOWN CONTROL											
	5186687	PLATE, NAME (STOP)									1		
	132105	SCREW, #10-32 (12.9025)									1		
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE											
	3290569	CLIP (7.8320)									1		
	5125944	CLIP									2		
	3796374	STOP									1		
	140855	SCREW, #8-32X5/16" SET (12.9076)									1		
	123298	BOLT, 1/4"-28X3/8" (12.9001)									1		
	120393	WASHER, 5/16" (12.9190)									1		
	103319	LOCKWASHER, 1/4" (12.9200)									AR		
	121902	NUT, 1/4"-28 (12.9120)									1		

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 671	672	673	674	675	676	677	678	679	680	681	682
		3.3003 - HOUSING, AIR INLET												
3E	**5102489**	HOUSING	1	1										
3E	**5102490**	HOUSING			1	2								
	5102492	HOUSING					1							
3D	**5102533**	HOUSING						1			1		2	2
3C	**5102525**	HOUSING							2					
3A,B	**5102526**	HOUSING								1				
3E	**5102528**	HOUSING										1		
	5121182	PLUG, 1/4" PIPE (12.9550)						1	2	1	1		2	2
	5142549	PLUG, 3/4" PIPE (12.9550)	1	1			1							
	179839	BOLT, 3/8"-16X1" (12.9001)							8					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	4	4	8						4		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						5		4	5		10	10
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)								2				
	190911	BOLT, 3/8"-16X2 7/8" (12.9001)							4					
	179851	BOLT, 3/8"-16X3" (12.9001)					3							
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)						2			2		4	4
	186625	BOLT, 5/16"-18X7/8" (12.9001)					3							
	103341	WASHER, 3/8" (12.9190)	4	4	4	8	6	7	4	6	7	4	14	14
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	8	6	7	12	6	7	4	14	14
		3.3004 - ADAPTOR, AIR INLET HOUSING												
3E	**5146023**	ADAPTOR, 6V-71		1								1		
3E	**5144122**	ADAPTOR, 6, 12V-71									1			2
3E	**5134835**	ADAPTOR, 8, 16V-71	1		1	2								
3D	**5123610**	ADAPTOR, 16V-71						1					2	
3A,B	**5144121**	ADAPTOR, 12V-71								1				
	5121182	PLUG, 1/4" PIPE (12.9550)	1	1	1	2						1		
	5115214	PLUG, 1/2" PIPE (12.9550)						1		1	1		2	2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	6	6	6	12		6		8	6	6	12	12
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)								4				
	103341	WASHER, 3/8" (12.9190)	6	6	6	12		6		12	6	6	12	12
	103321	LOCKWASHER, 3/8" (12.9200)	6	6	6	12		6		12	6	6	12	12
		3.3010 - GASKET, AIR INLET HOUSING												
3E	**5134838**	GASKET	1	1	1	2						1		
3D	**5123703**	GASKET						1			1		2	2
3A,B	**5122692**	GASKET								1				

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6831	6834	6835	6836	6837	6838	6839	6890	6892	6893
		3.3003 - HOUSING, AIR INLET										
3E	**5102528**	HOUSING	1									
3A,B	**5102534**	HOUSING		2	2							
3A,B	**5102493**	HOUSING			2					1		
3C	**5128914**	HOUSING				2						
3A,B	**5130798**	HOUSING					2	1	2			
3A,B	**5102495**	HOUSING									1	
3A,B	**5102522**	HOUSING										1
	5121182	PLUG, 1/4" PIPE (12.9550)			2	2	2	2	2	1	1	1
	5142549	PLUG, 3/4" PIPE (12.9550)		2	4					1	1	1
	179839	BOLT, 3/8"-16X1" (12.9001)				8						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			8		8	4	8	4	4	4
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		2	2							
	190911	BOLT, 3/8"-16X2 7/8" (12.9001)				4						
	179851	BOLT, 3/8"-16X3" (12.9001)		6	6							
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			4		4	2	4	2	2	2
	186285	BOLT, 3/8"-16X4" (12.9001)		4	4							
	103341	WASHER, 3/8" (12.9190)	4	12	24		12	6	12	6	6	6
	103321	LOCKWASHER, 3/8" (12.9200)	4	12	24	12	12	6	12	6	6	6
		3.3004 - ADAPTOR, AIR INLET HOUSING										
3E	**5134835**	ADAPTOR, 8, 16V71	1									
3A,B	**5144122**	ADAPTOR, 6, 12V71					2	1		1	1	
3A,B	**5123610**	ADAPTOR, 16V-71							2			1
	5121182	PLUG, 1/4" PIPE (12.9550)	1									
	5115214	PLUG, 1/2" PIPE (12.9550)					2	1	2	1	1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	6				12	6	12	6	6	6
	103341	WASHER, 3/8" (12.9190)	6				12	6	12	6	6	6
	103321	LOCKWASHER, 3/8" (12.9200)	6				12	6	12	6	6	6
		3.3010 - GASKET, AIR INLET HOUSING										
3E	**5134838**	GASKET	1									
3A,B	**5138785**	GASKET			2							
3A,B	**5123703**	GASKET					2	1	2	1	1	1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 698	699	700	710	713	715	730	731	742	747	750	752	753	754
		3.3001 - HOUSING ASSY., AIR INLET														
		INCLUDES ITEMS IN 3.3003, 3.3040, 3.3050, 3.3070, 3.3090, 3.3110.														
	5128914	HOUSING ASSY. 8V		1												
	5147248	* HOUSING ASSY., 12V					1									
	5147247	+ HOUSING ASSY., 12V					1									
	5100943	@ HOUSING ASSY. 6 & 8V				1										
	5138028	HOUSING ASSY. (FRONT) 16V						1								
	5138029	HOUSING ASSY. (REAR) 16V						1								
3E	**8926719**	HOUSING ASSY., 16V														1
3E	**8926720**	HOUSING ASSY., 16V														1
	8927151	HOUSING ASSY., 8V												1		
	8926725	HOUSING ASSY., 8V													1	
		* NOT SERVICED, FOR SERVICE USE 8927144.														
		+ NOT SERVICED, FOR SERVICE USE 8927143.														
		@ NOT SERVICED FOR SERVICE USE 8926725.														
		3.3003 - HOUSING, AIR INLET														
3E	**5104351**	HOUSING (W/TWO 1/4" NPTF HOLES AND ONE 3/4" NPTF HOLE)	2													
3C	**5129084**	HOUSING		1												
3A	**5130798**	HOUSING (W/1/4" NPTF HOLE)			1				1	1						
	5100893	HOUSING				1										
	5134752	HOUSING (W/ONE 1/4" NPTF HOLE AND ONE 3/4" NPTF HOLE)						2								
	5137636	HOUSING (W/3/4" NPTF HOLE)						2								
	5102489	HOUSING (W/3/4" NPTF HOLE)									1					
	8926450	HOUSING (W/TWO 1/4" NPTF HOLES AND ONE 3/4" NPTF HOLE)										1				
	8926449	HOUSING (W/TWO 1/4" NPTF HOLES AND ONE 3/4" NPTF HOLE)											1			
	8926710	HOUSING (W/3/4" NPTF HOLE)														2
	8927149	HOUSING												1		
	8926709	* HOUSING (W/3/4" NPTF HOLE)													1	
	5121182	PLUG, 1/4"-18 PIPE (2.4015)		1	1							2	2		1	
	8923847	PLUG, 1/4"-18 PIPE (4.7001)						4								
	5150131	PLUG, 7/16" CUP (1.1001)														
	5142549	PLUG, 3/4"-14 PIPE (12.9550)	2				2	2			1	1	1			2
	8927581	BOLT, 3/8"-16X1" (12.9001)		4											4	
3E	**8927582**	BOLT, 3/8"-16X1 1/4" (12.9001)				4					4					8
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			4				4	4						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						2								
	190911	BOLT, 3/8"-16X2 7/8" (12.9001)		2												
	179851	BOLT, 3/8"-16X3" (12.9001)					6	6								
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	6													
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			2			4	2	2						
	455537	BOLT, 3/8"-16X4" (12.9001)						4								
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)					6									
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	6													
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)										10	8			
	103341	WASHER, 3/8" (12.9190)	12		6	4	12	24	6	6	4					8
	103321	LOCKWASHER, 3/8" (12.9200)	12	6	6	4	12	24	6	6	4					8
	103322	LOCKWASHER, 7/16" (12.9200)										10	8			
		* ALSO INCLUDE (1) 5142549 PLUG.														

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 698	699	700	710	713	715	730	731	742	747	750	752	753	754
		3.3004 - ADAPTOR, AIR INLET HOUSING														
3A,B	**5123610**	ADAPTOR (W/1/2" NPTF HOLE) 8V			1					1						
	8922507	ADAPTOR (W/1/4" NPTF HOLE) 6V				1					1					
	5144122	ADAPTOR (W/1/2" NPTF HOLE)							1							
3E	**5134835**	ADAPTOR (W/1/4" NPTF HOLE) 8 & 16V												1	1	2
	8926638	ADAPTOR										1				
	23500797	ADAPTOR											1			
	5115214	PLUG, 1/2"-14 PIPE (12.9550)			1				1	1						
3E	**8923847**	PLUG, 1/4"-18 PIPE (4.7001)				1					1			1		2
	8927579	BOLT, 3/8"-16X.88" (12.9001)													6	
3E	**8927582**	BOLT, 3/8"-16X1 1/4" (12.9001)			6	6			6	6	6			10		12
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										4	4			
3E	**103341**	WASHER, 3/8" (12.9190)			6	6			6	6	6			10		12
	103321	LOCKWASHER, 3/8" (12.9200)			6	6			6	6	6	4	4	10		12
		3.3010 - GASKET, AIR INLET HOUSING														
3A,B	**5123703**	GASKET (5.68" I.D. W/EIGHT 13/32" DIA. HOLES)			1				1	1						
	5138785	GASKET (6.44" I.D. W/EIGHT 13/32" DIA. HOLES)						2								
3E	**5134838**	GASKET (8.00"L. W/FOUR 13/32" DIA. HOLES)				1					1			1	1	2
	8925778	GASKET (5.68"L. W/FOUR 13/32" DIA. HOLES)										1	1			
	5101408	GASKET (15.48"L. W/TEN 15/32" DIA. HOLES)										1				
	5101412	GASKET (11.60"L. W/EIGHT 15/32" DIA. HOLES)											1			
		3.3020 - PLATE, AIR INLET HOUSING STRIKER														
	5128838	PLATE					2									
	5128839	PLATE						2								
		3.3030 - GASKET, AIR INLET HOUSING STRIKER PLATE														
	5145235	GASKET (6V AND 12V)					2									
	5145086	GASKET (8V AND 16V)						2								
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN														
	5123581	* VALVE ASSY.					4									
	5123580	VALVE					4									
	5134836	VALVE ASSY.				1								1	1	2
	5128352	VALVE ASSY.						4								
	273436	PIN, 1/8"X11/16" (12.9300)				2	8	8						2	2	
		* INCLUDES VALVE IN 3.3040.														
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN														
3A	**5111878**	SHAFT, 15.90" L.					2									
3A	**5117249**	SHAFT, 9.48" L.				1									1	
	5128356	SHAFT, 17.40"L.						1								
	5135407	SHAFT, 16.50"L.						1								
3A	**5114168**	SHAFT, 9.00" L.														2
3A	**5122296**	SHAFT, 7.54"L.												1		
	5146261	SPACER (1" O.D.X.44" I.D.X.38" THK.)				1	3							1	1	3
	5145602	BUSHING, .88" L.				2								2	2	4

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 698	699	700	710	713	715	730	731	742	747	750	752	753	754
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN (CONT'D)														
	453676	PIN, 1/8"X1" (12.9275)				1	3							1	1	3
	273436	PIN, 1/8"X11/16" (12.9300)						3								4
	103342	WASHER, 7/16" (12.9190)						3								
	453019	SCREW, 1/4"-20X1/2" W/LW (12.9010)						3								
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE														
3A,C	**5135594**	RING, SEAL (.424" I.D.X.103"W) (YELLOW)				2	4							2	2	4
	5179232	RING, SEAL (.424" I.D.X.103"W) (2.4225)						4								
		3.3070 - SPRING, AIR INLET HOUSING														
3A	**5111904**	SPRING, VALVE (3.5 COILS PER SIDE, .063" WIRE DIA.)				1	2	2						1	1	2
3A	**5119327**	SPRING, LATCH (6.96 COILS, .072" DIA., R.H. HELIX)					1									
3A	**5119328**	SPRING, LATCH (6.96 COILS, .072" DIA., L.H. HELIX)				1								1	1	1
	5114124	SPRING, LATCH (6.15 COILS, .072" DIA., L.H. HELIX)						1								
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE														
	5134458	LEVER														1
3A	**5112785**	LATCH				1	1	1						1	1	1
3E	**5135011**	ROD					1									
	5118951	JOINT, BALL 5/16"-24 (12.9680)					2									
3A	**5143836**	BUSHING, ECCENTRIC				1	1	1						1	1	1
	5139430	PLATE, WARNING					1									1
	186629	BOLT, 5/16"-18X1" (12.9001)														1
	5159714	WASHER, 11/16" (2.7290)														1
3E	**103320**	LOCKWASHER, 5/16" (12.9200)					2									1
3E	**114493**	NUT, 5/16"-24 (2.7170)					4									
		3.3095 - ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER														
3E	**5114848**	ROD														2
	5138027	LINK, SHUTDOWN VALVE CROSSOVER						1								
3E	**5145607**	TUBE ASSY.														1
	455734	PIN, 1/8"X3/4" (12.9300)						2								
	9421638	SCREW, 5/16"-24X7/8" (12.9027)						2								
3E	**186654**	BOLT, 5/16"-24X1 1/8" (12.9001)														2
3E	**103320**	LOCKWASHER, 5/16" (12.9200)						2								2
3E	**114493**	NUT, 5/16"-24 (2.7170)														2
3E	**103026**	NUT, 3/8"-24 (12.9120)														2
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET														
3E	**5124371**	LEVER (2.9410)					2									
3E	**5147640**	LEVER														1
3A,C	**5114974**	HANDLE ASSY. (INCLUDES PIN)				1								1	1	

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3.3000A AIR INLET HOUSING

3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET (CONT'D)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 698	699	700	710	713	715	730	731	742	747	750	752	753	754
3A,C	**5122982**	CAM				1	1	1						1	1	1
	455533	PIN, 1/8"X7/8" (12.9275)					3								1	1
	273436	PIN, 1/8"X11/16" (12.9300)						1								
	5115214	PLUG, 1/2"-14 PIPE (12.9550)					2									
	179796	BOLT, 1/4"-20X7/8" (12.9001)					2									
	179803	BOLT, 1/4"-20X1 3/4" (12.9001)				1	1	1						1	1	1
	120380	LOCKWASHER, 1/4" (12.9200)				1	1	1						1	1	1
	103319	LOCKWASHER, 1/4" (12.9200)					2									

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 756	757	759	762	764	765	766	767	768	770	772	776
		3.3001 - HOUSING ASSY., AIR INLET												
3E	8926718	HOUSING ASSY. (FRONT) 16V			1				1					
3E	8926717	HOUSING ASSY. (REAR) 16V			1				1					
3E	8926725	HOUSING ASSY., 6V				1								
	8927151	HOUSING ASSY., 8V								1				
3E	8927152	HOUSING ASSY., 8V										1		
	8927144	HOUSING ASSY. (FRONT) 12V											1	
	8927143	HOUSING ASSY. (REAR) 12V											1	
3E	8926726	HOUSING ASSY., 8V												1
	5142549	PLUG, 3/4"-14 (12.9550)											4	
	5133846	STUD, 3/8"X10.64" (12.9117)											6	
	5135162	STUD, 3/8"X12" (12.9117)											6	
	103341	WASHER, 3/8" (12.9190)											12	
	5159714	WASHER, 11/16"X1/8" (2.7290)											1	
	103321	LOCKWASHER, 3/8" (12.9200)											12	
	103026	NUT, 3/8"-24 (12.9120)											12	
		3.3003 - HOUSING, AIR INLET												
	8926714	HOUSING (W/3/4" NPTF HOLE)	2											
	5102489	* HOUSING (W/3/4" NPTF HOLE)		1										
	8926710	* HOUSING (W/3/4" NPTF HOLE)			2				2					
	8926709	* HOUSING (W/3/4" NPTF HOLE)				1								1
	8927148	HOUSING (W/3/4" NPTF HOLE)					1				1			
	8927137	HOUSING (W/3/4" NPTF HOLE)						2						
	8927149	HOUSING								1		1		
	5142549	PLUG, 3/4"-14 PIPE (12.9550)	2		2		1	2			1			
	8927581	BOLT, 3/8"-16X1.135" (12.9001)	8	4					8			4		4
	8927582	BOLT, 3/8"-16X1 1/4" (12.9001)			8		4			4	4			
	179851	BOLT, 3/8"-16X3" (12.9001)						6						
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)						6						
	103321	LOCKWASHER, 3/8" (12.9200)			8		4	12		4	4			
	103341	WASHER, 3/8" (12.9190)			8			12	8	4	4			
		* ALSO INCLUDES (1) 5142549 PLUG.												
		3.3004 - ADAPTOR, AIR INLET HOUSING												
3E	5134835	ADAPTOR (W/1/4" NPTF HOLE) 8 & 16V	2	1	2				2	1	1	1		1
	8922507	ADAPTOR (W/1/4" NPTF HOLE)				1								
	8926705	ADAPTOR (W/1/4" NPTF HOLE) 6V					1							
3E	8923847	PLUG, 1/4"-18 PIPE (4.7001)	2	1	2	1	1		2	1	1	1		1
	8927579	BOLT, 3/8"-16X.88" (12.9001)		6		6						6		6
	8927581	BOLT, 3/8"-16X1.135" (12.9001)	12			4			12					
3E	8927582	BOLT, 3/8"-16X1 1/4" (12.9001)			12		6			6	6			
3E	103341	WASHER, 3/8" (12.9190)			12		10			6	6			
	103321	LOCKWASHER, 3/8" (12.9200)			12		6			6	6			
		3.3010 - GASKET, AIR INLET HOUSING												
3E	5134838	GASKET (8.00"L. W/FOUR 13/32" DIA. HOLES)	2	1	2	1	1		2	1	1	1		1
		3.3020 - PLATE, AIR INLET HOUSING STRIKER												
	5128838	PLATE											2	

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 756	757	759	762	764	765	766	767	768	770	772	776
		3.3030 - GASKET, AIR INLET HOUSING STRIKER PLATE												
	5145235	GASKET (6V AND 12V)											2	
	5147423	GASKET (11.36"L. W/SIX 13/32" DIA. HOLES) (3.5418)											2	
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
	5134836	VALVE ASSY.			2	1			2	1		1		1
	5123581	* VALVE ASSY.											4	
	5123580	VALVE											4	
	273436	PIN, 1/8"X11/16" (12.9300)			4	2			4	2		2	8	2
		* INCLUDES VALVE IN 3.3040.												
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN												
3A	**5117249**	SHAFT, 9.48"L.			1	1			1					
3A	**5114168**	SHAFT, 9"L.			1				1					
3A	**5122296**	SHAFT, 7.54"L.								1	1			1
3A	**5111878**	SHAFT, 15.90"L.											2	
	5146261	SPACER (1" O.D. X .44" I.D. X .38" THK.)			3	1			3	1		1	3	1
	5145602	BUSHING, .88"L.			4	2			4	2	2	2		2
	273436	PIN, 1/8"X11/16" (12.9300)							2					
	453676	PIN, 1/8"X1" (12.9275)			3	1			3	1		1	3	1
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT												
3A,C	**5135594**	RING, SEAL (.424" I.D.X.103"W.) (YELLOW)			4	2			4	2		2	4	2
		3.3070 - SPRING, AIR INLET HOUSING												
3A	**5111904**	SPRING, VALVE (3.5 COILS PER SIDE, .063" WIRE DIA.)			2	1			2	1		1	2	1
3A	**5119328**	SPRING, LATCH (6.96 COILS, .072" DIA., L.H. HELIX)				1				1		1		1
3A	**5119327**	SPRING, LATCH (6.96 COILS, .072" DIA., R.H. HELIX)											1	
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
	5134458	LEVER			1				1					
3A	**5112785**	LATCH			1	1			1	1		1	1	1
3A	**5143836**	BUSHING, ECCENTRIC			1	1			1	1		1	1	1
	5139430	PLATE, WARNING			1				1				1	
	179803	BOLT, 1/4"-20X1 3/4" (12.9001)			1	1			1	1		1	1	1
	186629	BOLT, 5/16"-18X1" (12.9001)			1				1					
	5159714	WASHER, 11/16"X1/8" (2.7290)			1				1					
	120380	LOCKWASHER, 1/4" (12.9200)			1	1			1	1		1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)			1				1					
		3.3095 - ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER												
3E	**5114848**	ROD			2				2					
3E	**5135011**	ROD											1	
	5118951	JOINT, BALL 5/16"-24 (12.9680)											2	

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 756	757	759	762	764	765	766	767	768	770	772	776
		3.3095 - ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER (CONT'D)												
3E	**5145607**	TUBE ASSY.			1				1					
3E	**186654**	BOLT, 5/16"-24X1 1/8" (12.9001)			2				2					
3E	**103320**	LOCKWASHER, 5/16" (12.9200)			2				2				2	
3E	**114493**	NUT, 5/16"-24 (2.7170)			2				2				4	
3E	**103026**	NUT, 3/8"-24 (12.9120)			2				2					
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET												
3E	**5147640**	LEVER			1				1					
3E	**5124371**	LEVER (2.9410)											2	
3A,C	**5114974**	HANDLE ASSY. (INCLUDES PIN)			1	1			1	1		1		1
3A,C	**5122982**	CAM			1	1			1	1		1	1	1
	455533	PIN, 1/8"X7/8" ROLL (12.9275)			1				1				3	
	179796	BOLT, 1/4"-20X7/8" (12.9001)			1				1				2	
	103319	LOCKWASHER, 1/4" (12.9200)			1				1				2	

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7777	7778	7780	7784	7785	7787	7788	7789	7790	7791	7793	7794
		3.3001 - HOUSING ASSY., AIR INLET												
	8927142	HOUSING ASSY. (FRONT) 12V	1	1									1	
	8927141	HOUSING ASSY. (REAR) (12V)	1	1									1	
	8927144	HOUSING ASSY. (FRONT) 12V					1	1				1		
	8927143	HOUSING ASSY. (REAR) 12V					1	1				1		
	5142549	PLUG, 3/4"-14 (12.9550)	4	4			4	4				4		
	5133846	STUD, 3/8"X10.64" (12.9117)										6		
	5135162	STUD, 3/8"X12" (12.9117)										6		
	179851	BOLT, 3/8"-16X3" (12.9001)	6	6			6	6						
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	6	6			6	6						
	103341	WASHER, 3/8" (12.9190)	12	12			12	12				12		
	5159714	WASHER, 11/16"X1/8" (2.7290)										1		
	103321	LOCKWASHER, 3/8" (12.9200)	12	12			12	12				12		
	103026	NUT, 3/8"-24 (12.9120)										12		
		3.3003 - HOUSING, AIR INLET												
3A	5122690	HOUSING (W/1/4" NPTF HOLE)			1									
	5102489	HOUSING (W/3/4" NPTF HOLE)				1								1
	8925714	HOUSING							2					
	8927150	HOUSING								1				
	8926714	HOUSING (W/3/4" NPTF HOLE)									2			
	8927138	HOUSING (W/3/4" NPTF HOLE)										2	2	
	8923847	PLUG, 1/4" SQ. SOC. (4.7001)			1									
	5142549	PLUG, 3/4"-14 SQ. SOC. PIPE (12.9550)				1					2		4	1
	8927581	BOLT, 3/8"-16X1.13" (12.9001)												4
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			4									
	8927582	BOLT, 3/8"-16X1 1/4" (12.9001)				4				4	8			
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)			2									
	179851	BOLT, 3/8"-16X3" (12.9001)											6	
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)							12				6	
	103341	WASHER, 3/8" (12.9190)			6	4			12	4	8		12	
	103321	LOCKWASHER, 3/8" (12.9200)			6	4			12	4	8		12	
		3.3004 - ADAPTOR, AIR INLET HOUSING												
	5144121	ADAPTOR (W/1/2" NPTF HOLE)			1									
	8922507	ADAPTOR (W/1/4" NPTF HOLE) 6V				1								
3E	5134835	ADAPTOR (W/1/4" NPTF HOLE) 8 & 16V								1	2			1
3E	8923847	PLUG, 1/4"-18 SQ. SOC. PIPE (4.7001)				1				1	2			1
	5115214	PLUG, 1/2" PIPE (12.9550)			1									
	8927579	BOLT, 3/8"-16X.88" (12.9001)												6
	8927581	BOLT, 3/8"-16X1.13" (12.9001)			7									
3E	8927582	BOLT, 3/8"-16X1 1/4" (12.9001)				6				6	12			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			1									
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			4									
3E	103341	WASHER, 3/8" (12.9190)			12	6				6	12			
	103321	LOCKWASHER, 3/8" (12.9200)				6				6	12			
		3.3010 - GASKET, AIR INLET HOUSING												
	5103515	GASKET (W/SCREEN; 6V AND 12V) (3.4025)	2						2					
	5122692	GASKET (7.88" I.D. W/EIGHT 13/32" DIA. HOLES)			1									
3E	5134838	GASKET (8.00"L. W/FOUR 13/32" DIA. HOLES)				1				1	2			1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 777	778	780	784	785	787	788	789	790	791	793	794
		3.3020 - PLATE, AIR INLET HOUSING STRIKER												
	5128838	PLATE	2	2			2	2			2		2	
		3.3030 - GASKET, AIR INLET HOUSING STRIKER PLATE												
	5145235	GASKET (6V AND 12V)	2	2			2	2			2		2	
	5147423	GASKET (11.36"L. W/SIX 13/32" DIA. HOLES) (3.5418)									2			
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
	5123581	* VALVE ASSY.	4	4				4				4	4	
	5117315	VALVE ASSY.			1		4							
	5123580	VALVE	4	4			4	4						
	273436	PIN, 1/8"X11/16" (12.9300)	8	8	2		8	8				8	8	
		* INCLUDES VALVE IN 3.3040.												
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN												
	5126339	SHAFT, 9.66"L.			1									
3A	5111878	SHAFT, 15.90"L.	2	2			2	2				2	2	
	5146261	SPACER (1" O.D.X.44" I.D. X .38" THK.)	2	2			3	3				3	2	
	273436	PIN, 1/8"X11/16" (12.9300)	1	1									1	
	453676	PIN, 1/8"X1" (12.9275)	2	2	1		3	3				3	2	
	103342	WASHER, 7/16" (12.9190)	1	1	1								1	
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT												
3A,C	5135594	RING, SEAL (.424" I.D.X.103"W.) (YELLOW)	4	4			4	4				4	4	
	5179232	RING, SEAL (.424" I.D.X.103"W.) (2.4225)			2									
		3.3070 - SPRING, AIR INLET HOUSING												
3A	5111904	SPRING, VALVE (3.5 COILS PER SIDE, .063" WIRE DIA.)	1	1	1		2	2				2	4	
3A	5119327	SPRING, LATCH (6.96 COILS, .072" DIA., R.H. HELIX)	1	1			1	1				1	1	
	5114124	SPRING, LATCH (6.15 COILS, .072" DIA., L.H. HELIX)			1									
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
3A	5112785	LATCH	1	1	1		1	1				1	1	
3A	5143836	BUSHING, ECCENTRIC	1	1	1		1	1				1	1	
	5139430	PLATE, WARNING	1	1			1	1				1	1	
	179803	BOLT, 1/4"-20X1 3/4 (12.9001)	1	1	1		1	1				1	1	
	5115204	BOLT, 1/4"-28X1 1/4" (12.9001)			1									
	5159714	WASHER, 11/16"X1/8" (2.7290)	1	1			1	1					1	
	120380	LOCKWASHER, 1/4" (12.9200)	1	1	2		1	1				1	1	
	103320	LOCKWASHER, 5/16" (12.9200)	2	2			2	2						
	114492	NUT, 1/4"-28			1									

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 77	778	780	784	785	787	788	789	790	791	793	794
		3.3095 - ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER												
3E	**5135011**	ROD	1	1			1	1				1	1	
	5118951	JOINT, BALL 5/16"-24 (12.9680)	2	2			2	2				2	2	
3E	**103320**	LOCKWASHER, 5/16" (12.9200)										2	2	
3E	**114493**	NUT, 5/16"-24 (2.7170)	4	4			4	4				4	4	
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET												
3E	**5124371**	LEVER (2.9410)	2	2			2	2				2	2	
	5127443	LEVER			1									
3A,C	**5122982**	CAM	1	1	1		2	2				1	1	
	455533	PIN, 1/8"X7/8" ROLL (12.9275)	3	3			3	3				3	3	
	179796	BOLT, 1/4"-20X7/8" (12.9001)	2	2			2	2				2	2	
	103319	LOCKWASHER, 1/4" (12.9200)	2	2			2	2				2	2	

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 795	797	798	803	808	815	820	823
		3.3001 - HOUSING ASSY., AIR INLET								
3E	8926726	HOUSING ASSY. 6V	1							
3E	8926723	HOUSING ASSY. 6V		1			1			
	23501229	HOUSING ASSY. 6V						1		
		3.3003 - HOUSING, AIR INLET								
	8926709	* HOUSING (W/3/4" NPTF HOLE)	1							
	8926710	* HOUSING (W/3/4" NPTF HOLE)		1			1			
	8927148	HOUSING (W/3/4" NPTF HOLE)			1					
	8926706	HOUSING				1				
	5107148	HOUSING				1				
	23500792	HOUSING (W/TWO 1/4" NPTF HOLES)						1		
	8925478	HOUSING							1	
3A	5122690	HOUSING (W/1/4" NPTF HOLE)								1
	5107159	PLATE, BLOWER STEP				1				
	8923847	PLUG, 1/4"-18 SQ. SOC. PIPE (4.7001)								1
	5142549	PLUG, 3/4"-14 SQ. SOC. PIPE (12.9550)			1					
	8927579	BOLT, 3/8"-16X.88" (12.9001)				1				
	8927581	BOLT, 3/8"-16X1.13" (12.9001)	4		4		4			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		4						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)								4
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)						8		
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)								2
	179851	BOLT, 3/8"-16X3" (12.9001)				3			3	
	186285	BOLT, 3/8"-16X4" (12.9001)							3	
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)				3				
	186290	BOLT, 3/8"-16X6" (12.9001)				5				
	103341	WASHER, 3/8" (12.9190)		4		7			6	6
	103342	WASHER, 7/16" (12.9190)						8		
	103321	LOCKWASHER, 3/8" (12.9200)		4		12			6	6
	103322	LOCKWASHER, 7/16" (12.9200)						8		
		* ALSO INCLUDE 1-5142549 PLUG.								
		3.3004 - ADAPTOR, AIR INLET HOUSING								
	8926705	ADAPTOR (W/1/4" NPTF HOLE) 6V	1	1	1					
3E	5134835	ADAPTOR (W/1/4" NPTF HOLE)				1				
	5144121	ADAPTOR (W/1/2" NPTF HOLE)								1
3E	8923847	PLUG, 1/4"-18 SQ. SOC. PIPE (4.7001)	1	1	1	1				
	5115214	PLUG, 1/2" PIPE (12.9550)								1
	8927579	BOLT, 3/8"-16X.885" (12.9001)	6		6	6				8
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		6						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)								4
3E	103341	WASHER, 3/8" (12.9190)		6						
	103321	LOCKWASHER, 3/8" (12.9200)		6						
		3.3010 - GASKET, AIR INLET HOUSING								
3E	5134838	GASKET (8.00"L. W/FOUR 13/32" DIA. HOLES)	1	1	1		1			
	5103515	GASKET (W/SCREEN; 6V AND 12V) (3.4025)				2				
	5122692	GASKET (7.88" I.D. W/EIGHT 13/32" DIA. HOLES)								1
		3.3020 - PLATE, AIR INLET HOUSING STRIKER								
	23501230	PLATE						1		

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 795	797	798	803	808	815	820	823
		3.3030 - GASKET, AIR INLET HOUSING STRIKER PLATE								
	5101412	GASKET (11.60"L. W/EIGHT 15/32" DIA. HOLES)						2		
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN								
	5134836	VALVE ASSY.	1	1			1			
	5117315	VALVE ASSY.								1
	23501164	VALVE						1		
	5128046	SPRING						1		
	5128842	HINGE						1		
	273436	PIN, 1/8"X11/16" (12.9300)	2	2			2	2		
	9416147	PIN, 3/16"X2"						1		
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN								
3A	**5122296**	SHAFT, 7.54"L.	1	1			1			
	5136017	SHAFT, 8.54"L.						1		
3A	**5117249**	SHAFT, 9.48"L.								1
	5146261	SPACER (1" O.D.X.44" I.D.X.38" THK.)	1	1			1	1		1
	5145602	BUSHING, .88"L.	2	2				2		
	273436	PIN, 1/8"X11/16" (12.9300)								2
	453676	PIN, 1/8"X1" (12.9275)	1	1			1	1		1
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT								
3A,C	**5135594**	RING, SEAL (.424" I.D.X.103"W.) (YELLOW)	2	2			2	2		
	5179232	RING, SEAL (.424" I.D.X.103"W.) (2.4225)								2
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION								
3A	**5111904**	SPRING, VALVE (3.5 COILS PER SIDE, .063" WIRE DIA.)	1	1			1	1		1
3A	**5119328**	SPRING, LATCH (6.96 COILS, .072" WIRE DIA., L.H. HELIX)	1	1			1			
3A	**5119327**	SPRING, LATCH (6.96 COILS, .072" WIRE DIA., R.H. HELIX)						1		
	5123743	SPRING, LATCH (6.15 COILS, .072" WIRE DIA., L.H. HELIX)								1
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE								
3A	**5112785**	LATCH	1	1			1	1		
	5108331	LATCH								1
3A	**5143836**	BUSHING, ECCENTRIC	1	1			1	1		1
	179803	BOLT, 1/4"-20X1 3/4 (12.9001)	1	1			1	1		1
	120380	LOCKWASHER, 1/4" (12.9200)	1	1			1	1		1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 795	797	798	803	808	815	820	823
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET								
3A,C	**5114974**	HANDLE ASSY. (INCLUDES PIN)	1	1			1	1		1
3A,C	**5122982**	CAM	1	1			1	1		
	5173867	CAM								1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	66	67	74	78	80	82	84	85	88	89	96
		3.4001 - BLOWER ASSY.												
		SEE ASSEMBLY BREAKDOWN PAGE A1 FOR COMPONENTS OF BASIC BLOWER ASSY.												
	5121733	* @ BLOWER ASSY. (5103532 BASIC) (6V)	1									1		
	5121731	* @ BLOWER ASSY. (5103494 BASIC) (8-16V)		1							1			
	5121728	* @ BLOWER ASSY. (REAR) (5103532 BASIC) (12V)			1			1	1					1
	5121729	* # BLOWER ASSY. (FRONT) (5103532 BASIC) (12V)			1			1	1					1
	5198191	+ @ BLOWER ASSY.				1	1			1			2	
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	4	6	8	6	6	8	8	6	6	4	12	8
	9411488	BOLT, 7/16"-14X8 1/4" (12.9001)	2	2	4	2	2	4	4	2	2	2	4	4
	5121905	WASHER, 15/32"I.D.X7/8"O.D.X5/32"L.	2	2	4	2	2	4	4	2	2	2	4	4
	5121814	WASHER, 3/4"O.D.X.40"I.D.	4	6	8	6	6	8	8	6	6	4	12	8
		* COMPLETE BLOWER ASSY. NOT SERVICED; USE BASIC BLOWER ASSY. SHOWN IN PARENTHESES.												
		@ INCLUDE 5103377 TO ASSURE INTERCHANGEABILITY												
		# INCLUDE 5103361 TO ASSURE INTERCHANGEABILITY												
		+ NOT SERVICED. FOR SERVICE USE 5103495 (BASIC). ALSO REQUIRES 1 EACH 5196761 KIT, 5103335, 5117757, 5190566 AND 5146049.												
		3.4003 - BLOWER KIT, INSTALLATION												
		INCLUDES ITEMS IN 2.2007, 3.4010, 3.4025, 3.4220, 3.4227 AND 3.4360 PLUS GASKET IN 2.7030 AND (2) COPPER WASHERS IN 3.4350.												
	5196384	* GASKET KIT (6V)	AR									AR		
	5196385	# GASKET KIT (8V, 16V)		AR		AR	AR			AR	AR			AR
	5149642	GASKET KIT (12V)			AR			AR	AR					
	5199670	# GASKET KIT (8V, 16V)											AR	
		# NOT SERVICED. USE 5149644 FOR 8V NATURALLY ASPIRATED; USE 5149645 FOR 16V TURBO AND NATURALLY ASPIRATED; AND USE 5149643 FOR 8V T, OTM, TA & TAE.												
		* NOT SERVICED. USE 5149646 FOR NATURALLY ASPIRATED ENGINES.												
		3.4005 - BLOWER KIT, REPAIR												
		INCLUDES ITEMS IN 3.4040, 3.4060, 3.4090, LOCKWASHERS IN 3.4110, 3.4158, 3.4159, 3.4160 AND 3.4163. SEAL RING IN 3.4180 AND 3.4190.												
	5108120	BLOWER KIT (NON-TURBO)	AR	AR	AR			AR	AR		AR	AR		AR
	5108121	BLOWER KIT (TURBO.)				AR	AR			AR			AR	

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	66	67	74	78	80	82	84	85	88	89	96
		3.4010 - GASKET, BLOWER												
4A	5147469	GASKET	1		2			2	2			1		2
4A	5141588	GASKET		1		1	1			1	1		2	
	5145235	GASKET (LESS SCREEN)	1		2			2				1		2
	5145086	GASKET (LESS SCREEN)	1	2		1	1			1	1	1		
		3.4025 - SCREEN, BLOWER												
3A	5103515	SCREEN AND GASKET ASSY.	1		2			2	2			1		2
3A	5103602	SCREEN AND GASKET ASSY.		1		1	1			1	1		2	
		3.4103 - SPROCKET, BLOWER ROTOR GEAR DRIVE												
4C	5117090	SPROCKET (REAR BLOWER)			1			1	1					1
4C	5117082	SPACER			1			1	1					1
4C	5117081	BOLT, 1/2"-20X1 1/4" (3.4080)			1			1	1					1
		3.4105 - SPROCKET, BLOWER ROTOR GEAR DRIVEN												
4C	5117092	* SPROCKET (FRONT BLOWER)			1			1	1					1
4C	5125464	BOLT, 3/8"-24X1" HEX. SOC. HD.			3			3	3					3
		* NOT SERVICED, USE 5103361 PLUS 1 5103364.												
		3.4107 - CHAIN, BLOWER ROTOR GEAR SPROCKET COUPLING												
4C	5117091	CHAIN, 1 1/4"W., 10.28"L. ENDLESS			1			1	1					1
		3.4110 - DISC, BLOWER ROTOR FUEL PUMP COUPLING												
4A	5154401	DISC	1	1	1	1	1	1	1	1	1	1	2	1
4A	182776	BOLT, 1/2"-20X1 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	2	1
4A	5154398	LOCKWASHER, 1/2" (3.4080)	1	1	1	1	1	1	1	1	1	1	2	1
		3.4112 - SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC												
4A	5117778	# SPACER	1	1	1	1	1	1	1	1	1	1	2	1
		# USE WITH MECHANICAL GOVERNOR AND HYDRAULIC GOVERNOR WITH CLOSED LINKAGE.												
		3.4130 - HUB, BLOWER ROTOR GEAR												
4B	5122914	@ HUB	1	1	1	1		1	1	1	1	1	2	1
	5123081	& HUB (WITH LUGS FOR ACCESSORY DRIVE)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		@ MARINE APPLICATION THRU 6VA-50621,												

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	66	67	74	78	80	82	84	85	88	89	96
		3.4130 - HUB, BLOWER ROTOR GEAR (CONT'D)												
		8VA-81196. & MARINE APPLICATION EFFECTIVE WITH 6VA-50622, 8VA-81197.												
		3.4135 - PLATE, BLOWER ROTOR GEAR HUB												
4B	**5122915**	+ PLATE (SPRING) (8920764)	2	2	2			2	2	2	2	2	4	2
4B	**8920760**	BOLT, 3/8"-24X1 5/16"	6	6	6			6	6	6	6	6	12	6
4B	**103321**	LOCKWASHER, 3/8" (12.9200)	6	6	6			6	6	6	6	6	12	6
		+ NOT SERVICED. USE NUMBER IN PARENTHESES.												
		3.4180 - COVER, BLOWER HOUSING END PLATE												
		REFER TO ASSEMBLY BREAKDOWN PAGE B1 FOR COMPONENTS OF COVER KITS.												
4A	**5196760**	* COVER KIT (REAR) (3.4182)	1									1		
4A	**5196761**	* COVER KIT (3.4182)		1		1	1			1	1		2	
4A	**5196763**	* COVER KIT (REAR OF REAR BLOWER) (3.4182)			1			1	1					1
4A	**5196762**	* COVER KIT (REAR OF FRONT BLOWER AND FRONT OF REAR BLOWER) (3.4182)			1			1	1					1
	5144410	# CONNECTOR ASSY.	1	1	1	1	1							
	5144424	# SEAL RING, 1/4" TUBE (12.9435)	1	1	1	1	1							
4A	**179827**	& BOLT, 5/16"-18X2 1/4" (12.9001)	10	10	30				30		10	10		
4A	**103320**	LOCKWASHER, 5/16" (12.9200)			30			30	30					30
		* THRU 12VA-131. # EFF. WITH 6VA-54307, 8VA-107424, 12VA-20733, 16VA-5165. & WITH CAST ALUMINUM COVER THRU 6VA-162, 8VA-320, 12VA-131.												
		3.4220 - SEAL, BLOWER DRIVE COVER												
	5146040	SEAL		1		1	1							
	8922140	SEAL (4.32" I.D.X4.88" O.D.X.77" WIDE)			2									
	5117717	HOSE (5/16"I.D.X4.20") (4.1660)			1	1								
4A	**5128633**	HOSE (4 1/2"I.D.X3") (3.4350)								1	1		2	
	5123257	REINFORCEMENT, HOSE (4.12"I.D.X 4.50"O.D.X1.66"L.)		1		1	1			1	1		2	
	5144409	ADAPTOR (4.1660)			1									
	114629	CONNECTOR, BALL SLEEVE (5/16" TUBE) (12.9410)				1	1							
	114631	SLEEVE, BALL (5/16" TUBE) (12.9430)				1	1							

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	66	67	74	78	80	82	84	85	88	89	96
		3.4220 - SEAL, BLOWER DRIVE COVER (CONT'D)												
	114630	NUT, BALL SLEEVE (5/16" TUBE) (12.9440)				1	1							
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING												
4A	5106219	CLAMP (12.9660)	1		1			1	1			1		1
		3.4300 - GEAR, BLOWER DRIVE												
		A GEAR ASSY. INCLUDES BUSHING IN 3.4355.												
4B	5122918	GEAR ASSY. (L.H. HELIX) (38 TEETH)	1	1	1	1	1				1	1		1
4B	5123091	GEAR ASSY. (R.H. HELIX) (38 TEETH) (1.7630)		1										
4B	5109602	GEAR ASSY. (L.H. HELIX) (39 TEETH)						1						
4B	5122920	GEAR ASSY. (L.H. HELIX) (40 TEETH)							1	1			1	
4B	5122919	GEAR ASSY. (R.H. HELIX) (40 TEETH)								1			1	
		3.4302 - WASHER, BLOWER DRIVE GEAR HUB THRUST												
4B	5117700	BEARING, THRUST	2	2	2	2	2	2	2	2	2	2	4	2
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST												
4B	5117704	WASHER	1	1	1	1	1	1	1	1	1	1	2	1
		3.4330 - NUT, BLOWER DRIVE GEAR HUB												
4B	5117727	NUT (1 7/16"-16)	1	1	1	1	1	1	1	1	1	1	2	1
		3.4340 - LOCKWASHER, BLOWER DRIVE GEAR												
4B	5117720	LOCKWASHER (1 15/32")	1	1	1	1	1	1	1	1	1	1	2	1
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB												
		SUPPORT ASSY. INCLUDES SPRING PIN AND DOWEL PINS IN 3.4350.												
4B	5117722	+ SUPPORT ASSY. (8920682)	1	1	1	1	1	1	1	1			1	

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	66	67	74	78	80	82	84	85	88	89	96
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB (CONT'D)												
4B	**5131824**	+ SUPPORT ASSY. (8920681)									1	1		1
4B	**5138836**	+ SUPPORT ASSY. (8920681)											1	
	274889	PIN, 1/8"X1/4" SPRING (12.9270)	1	1	1	1	1	1	1	1	1	1	2	1
	141126	PIN, 5/32"X1/4" DOWEL (12.9290)	2	2	2	2	2	2	2	2	2	2	4	2
4B	**181361**	BOLT, 3/8"-24X7/8" (12.9001)	2	2	2	2	2	2	2	2			3	
4B	**181637**	BOLT, 3/8"-24X1" (12.9001)									1	1		1
4B	**181365**	BOLT, 3/8"-24X1 1/8" (12.9001)									1	1	1	1
4B	**5152148**	WASHER, 3/8" COPPER (2.4050)	2	2	2	2	2	2	2	2	2	2	4	2
		# NOT SERVICED; REPLACE WITH 5138836 SUPPORT AND INCLUDE 1-186317 BOLT, 1-117049 NUT.												
		+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.												
		3.4355 - BEARING, BLOWER DRIVE GEAR HUB SUPPORT												
	5120501	BUSHING	2	2	2	2	2	2	2	2	2	2	4	2
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT												
4B	**5148810**	GASKET	1	1	1	1	1	1	1	1	1	1	2	1
		3.4370 - COUPLING, BLOWER DRIVE												
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.												
	5150344	* COUPLING ASSY.	1	1	1	1	1	1	1	1	1	1	2	1
4A	**186649**	BOLT, 5/16"-24X1 5/8" (12.9001)	6	6	6	6	6	6	6	6	6	6	12	6
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	12	6
		* NOT SERVICED USE 5103377 PLUS 1 5103364												
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING												
4A	**5150345**	SUPPORT	1	1	1	1	1	1	1	1	1	1	2	1
		3.4390 - CAM, BLOWER DRIVE COUPLING												
4A	**5150348**	* CAM	1	1	1	1	1	1	1	1	1	1	2	1
		* NOT SERVICED USE 5103365 PLUS 1 5103364												

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	66	67	74	78	80	82	84	85	88	89	96
		3.4400 - SPRING, BLOWER DRIVE COUPLING												
4A	**5196314**	+ SPRING PACK + NOT SERVICED. USE 5123859 AND 5123860 AS REQUIRED.	1	1	1	1	1	1	1	1	1	1	2	1
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING												
4A	**5150346**	SEAT	4	4	4	4	4	4	4	4	4	4	8	4
		3.4420 - RETAINER, BLOWER DRIVE COUPLING												
4A	**5150349**	RETAINER	1	1	1	1	1	1	1	1	1	1	2	1

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 99	100	105	108	109	119	147	149	150	151	153	154
		3.4001 - BLOWER ASSY.												
		SEE ASSEMBLY BREAKDOWN PAGE A1 FOR COMPONENTS OF BASIC BLOWER ASSY.												
	5121733	* # BLOWER ASSY. (5103532 BASIC) (6V)						1						
	5121731	* # BLOWER ASSY. (5103494 BASIC) (8-16V)	2						1	2				
	5121728	* # BLOWER ASSY. (REAR) (5103532 BASIC) (12V)									1			
	5121729	* & BLOWER ASSY. (FRONT) (5103532 BASIC) (12V)									1			
	5128504	* # BLOWER ASSY. (5103495 BASIC (8-16)		1		1						1	2	
	5124303	* BLOWER ASSY. (FRONT) (5124430 BASIC) BASIC) (12V)			1									1
	5198192	* # BLOWER ASSY. (REAR) (5103533 BASIC) (12V)			1									1
	5141476	@ BLOWER ASSY. (8V)					1							
	5146841	* BLOWER ASSY. (5147152 BASIC) (8V)					1							
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	12	6	8	6	6	4	6	12	8	6	12	8
	9411488	BOLT, 7/16"-14X8 1/4" (12.9001)	4	2	4	2	2	2	2	4	4	2	4	4
	5121905	WASHER, 15/32"I.D.X7/8"O.D.X5/32"L	4	2	4	2	2	2	2	4	4	2	4	4
	5125608	WASHER, 15/32"X3/4"X1/8"			4									
	5121814	WASHER, 3/4"O.D.X.40" I.D.	12	6	8	6	6	4	6	12	8	6	12	8
		* COMPLETE BLOWER ASSY. NOT SERVICED; USE BASIC BLOWER ASSY. SHOWN IN PARENTHESES.												
		@ NOT SERVICED. REFER TO BLOWER ASSY. SHOWN IN SAME TYPE.												
		# INCLUDE 5103377 TO ASSURE INTERCHANGEABILITY												
		& INCLUDE 5103361 TO ASSURE INTERCHANGEABILITY.												
		3.4003 - GASKET KIT, BLOWER INSTALLATION												
		INCLUDES ITEMS IN 2.2007, 3.4010, 3.4025, 3.4220, 3.4227 AND 3.4360 PLUS GASKET IN 2.7030 AND (2) COPPER WASHERS IN 3.4350.												
	5196384	* GASKET KIT (6V)						AR						
	5196385	+ GASKET KIT (8V, 16V)		AR		AR	AR		AR			AR		
	5149643	GASKET KIT (TURBO) (8V)			AR						AR			AR
	5149642	GASKET KIT (12V)								AR			AR	
	5199670	# GASKET KIT (8V, 16V)	AR											
		+ NOT SERVICED, USE 5149644 8V NATURALLY ASPIRATED AND FOR 16V USE 5149645 ALL.												
		# NOT SERVICED, USE 5149644 8V NATURALLY ASPIRATED AND FOR 16V USE 5149645 ALL.												
		* NOT SERVICED, USE 5149641 6V T/OTM/TA AND USE 5149646 NATURALLY ASPIRATED ENGINES.												
		3.4005 - BLOWER KIT, REPAIR INCLUDES ITEMS IN 3.4040, 3.4060, . . 3.4158, 3.4159, 3.4160 AND 3.4163. SEAL RING IN 3.4180 AND 3.4190.												

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 99	100	105	108	109	119	147	149	150	151	153	154
		BLOWER AND DRIVE (CONT'D) -												
	5108120	BLOWER KIT (NON-TURBO)	AR				AR	AR	AR	AR	AR		AR	
	5108121	BLOWER KIT (TURBO.)		AR	AR	AR						AR		AR
	5108123	BLOWER KIT (TURBO)					AR							
		3.4010 - GASKET, BLOWER												
4A	**5147469**	GASKET			2			1			2			2
4A	**5141588**	GASKET	2	1		1	1		1	2		1	2	
		3.4025 - SCREEN, BLOWER												
3A	**5103515**	SCREEN AND GASKET ASSY.			2			1			2			2
3A	**5103602**	SCREEN AND GASKET ASSY.	2	1		1	1		1	2		1	2	
		3.4038 - SHAFT, TACHOMETER DRIVE												
	5117753	+ SHAFT & SLINGER ASSY. (7.4435)					1							
	5117757	ADAPTOR (7.4457)					1							
	5190566	GASKET (2.3050)					1							
		+ NOT SERVICED. USE 5103335 AND 5146049.												
		3.4103 - SPROCKET, BLOWER ROTOR GEAR DRIVE												
4C	**5117090**	SPROCKET (REAR BLOWER)			1						1			1
4C	**5117082**	SPACER			1						1			1
4C	**5117081**	BOLT, 1/2"-20X1 1/4" (3.4080)			1						1			1
		3.4105 - SPROCKET, BLOWER ROTOR GEAR DRIVEN												
4C	**5117092**	* SPROCKET (FRONT BLOWER)			1						1			1
4C	**5125464**	BOLT, 3/8"-24X1" HEX. SOC. HD.			3						3			3
		* NOT SERVICED. USE 5103361 PLUS 1 5103364.												
		3.4107 - CHAIN, BLOWER ROTOR GEAR SPROCKET COUPLING												
4C	**5117091**	CHAIN, 1 1/4"W., 10.28"L. ENDLESS			1						1			1
		3.4110 - DISC, BLOWER ROTOR FUEL PUMP COUPLING												
4A	**5154401**	DISC	2	1	1	1	1	1	1	2	1	1	2	1
4A	**182776**	BOLT, 1/2"-20X1 1/4" (12.9001)	2	1	1	1	1	1	1	2	1	1	2	1
4A	**5154398**	LOCKWASHER, 1/2" (3.4080)	2	1	1	1	1	1	1	2	1	1	2	1

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 99	100	105	108	109	119	147	149	150	151	153	154
		3.4112 - SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC												
4A	5117778	# SPACER	2	1	1	1	1	1	1	2	1	1	2	1
		# USE WITH MECH. AND HYD. GOVERNOR WITH CLOSED LINKAGE.												
		3.4130 - HUB, BLOWER ROTOR GEAR												
4B	5122914	* HUB	2	1	1	1	1		1	2		1	2	1
	5123081	@ HUB (WITH LUGS FOR ACCESSORY DRIVE)	AR	AR	AR	AR		AR		AR	AR		AR	AR
		* MARINE APPLICATION THRU 6VA-50621, 8VA-81196.												
		@ MARINE APPLICATION EFFECTIVE WITH 6VA-50622, 8VA-81197.												
		3.4135 - PLATE, BLOWER ROTOR GEAR HUB												
4B	8920764	PLATE (SPRING)	4	2	2	2	2	2	2	4	2	2	4	2
4B	5141474	+ PLATE (SPRING) (8920765)					2							
	5173364	SPACER (3.4137)					3							
4B	8920760	BOLT, 3/8"-.812"	12	6	6	6	6	6	6	12	6	6	12	6
		+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES												
		3.4137 - SPACER, BLOWER ROTOR GEAR HUB												
	8920763	SPACER, .385" I.D. X 1" O.D. X .013" THK.	12	6	6	6	6	6	6	12	6	6	12	6
		3.4180 - COVER, BLOWER HSG. END PLATE												
		REFER TO ASSEMBLY BREAKDOWN PAGE B1 FOR COMPONENTS OF COVER KITS.												
4A	5196760	* COVER KIT (REAR) (3.4182)						1		1				
4A	5196761	* COVER KIT (3.4182)	2	1		1			1			1	2	
4A	5196763	* COVER KIT (REAR OF REAR BLOWER) (3.4182)			1									1
	5141590	@ COVER (REAR) (LESS TACH. HOLE)					1							
4A	5141608	# COVER (REAR) (W/TACH. HOLE)					1							
	5178595	BRACKET (2.5030)				1		1						
	5144410	CONNECTOR ASSY.							1					
	5144424	SEAL RING, 1/4" TUBE (12.9435)							1					
4A	5141578	SPACER, SEAL					1							
4A	179827	% BOLT, 5/16"-18X2 1/4" (12.9001)	16		6						6		16	6
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)					8							
4A	179829	BOLT, 5/16"-18X2 3/4" (12.9001)					2							
4A	103320	LOCKWASHER, 5/16" (12.9200)			30						30			30
4A	103321	LOCKWASHER, 3/8" (12.9200)					10							
		* THRU 12VA-131.												
		@ NOT SERVICED; USE 5146521.												

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 99	100	105	108	109	119	147	149	150	151	153	154
		3.4180 - COVER, BLOWER HSG. END PLATE (CONT'D)												
		1-5146490 ADAPTOR, 1-5147161 CONNECTOR ASSY., 1-5150014 PLUG & 2-179828 BOLTS.												
		# NOT SERVICED; REPLACE WITH 5146521												
		& INC. 1-5146490 ADAPT., 1-5136678 GASKET, 1-5147161 CONNECTOR ASSY., 1-9409060 BOLT, 1-5147149 BOLT, 1-5106769 TACH. DRIVE, 2-179828 BOLTS & 2-5146049 WASHERS.												
		& EFF. WITH 6VA-54307, 8VA-107424, 12VA-20733, 16VA-5165.												
		% WITH CAST ALUMINUM COVER THRU 6VA-162, 8VA-320, 12VA-131.												
		3.4220 - SEAL, BLOWER DRIVE COVER												
	5117716	HOSE (5/16"I.D.X2") (4.1660)									1			
	5117717	HOSE (5/16"-I.D.X4.20") (4.1660)				1	1		1	2		1		
4A	**5128633**	HOSE (4 1/2"I.D.X3") (3.4350)	2	1	1	1	1		1	2		1	2	1
	5123257	REINFORCEMENT, HOSE (4.12"I.D.X 4.50"O.D.X1.66"L.)	2	1		1	1		1	2		1	2	
	114629	CONNECTOR, BALL SLEEVE (5/16" TUBE) (12.9410)					1		1					
	114631	SLEEVE, BALL (5/16" TUBE) (12.9430)					1		1					
	114630	NUT, BALL SLEEVE (5/16" TUBE) (12.9440)					1		1					
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING												
4A	**5106219**	CLAMP (12.9660)			2		1	1	1	2	2			2
		3.4300 - GEAR, BLOWER DRIVE												
		A GEAR ASSY. INCLUDES BUSHING IN 3.4355.												
4B	**5122918**	GEAR ASSY. (L.H. HELIX) (38 TEETH)	1				1	1		1				
4B	**5123091**	GEAR ASSY. (R.H. HELIX) (38 TEETH) (1.7630)	1							1				
4B	**5109602**	GEAR ASSY. (L.H. HELIX) (39 TEETH)							1					
4B	**5122920**	GEAR ASSY. (L.H. HELIX) (40 TEETH)		1	1	1					1	1	1	1

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 99	100	105	108	109	119	147	149	150	151	153	154
		3.4302 - WASHER, BLOWER DRIVE GEAR THRUST												
4B	5117700	BEARING, THRUST	4	2	2	2	2	2	2	4	2	2	4	2
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST												
4B	5117704	WASHER	2	1	1	1	1	1	1	2	1	1	2	1
		3.4330 - NUT, BLOWER DRIVE GEAR HUB												
4B	5117727	NUT (1 7/16"-16)	2	1	1	1	1	1	1	2	1	1	2	1
		3.4340 - LOCKWASHER, BLOWER DRIVE GEAR												
4B	5117720	LOCKWASHER (1 15/32")	2	1	1	1	1	1	1	2	1	1	2	1
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB												
		SUPPORT ASSY. INCLUDES SPRING PIN AND DOWEL PINS IN 3.4350.												
4B	8920682	SUPPORT ASSY. (REAR)	1	1	1									
	8920681	SUPPORT ASSY. (FRT.)	1		1	1	1	1	2	1	1	2	1	
	141126	PIN, 5/32"X1/4" DOWEL (12.9290)	4	2	2	2	2	2	2	4	2	2	4	2
	274889	PIN, 1/8"X1/4" SPRING (12.9270)	2	1	1	1	1	1	1	2	1	1	2	1
4B	181361	BOLT, 3/8"-24X7/8" (12.9001)	4		2	1			2	4	2			2
4B	181637	BOLT, 3/8"-24X1" (12.9001)		1			1	1				1		
4B	181365	BOLT, 3/8"-24X1 1/8" (12.9001)		1		1	1		1	1	1	1	1	1
4B	186317	BOLT, 3/8"-24X5" (12.9001)										1	1	1
4B	5152148	WASHER, 3/8" COPPER (2.4050)	4	2	2	2	2	2	2	4	2	2	4	2
	117049	NUT, 3/8"-24 HEX. (12.9120)										1	1	1
		3.4355 - BEARING, BLOWER DRIVE GEAR HUB SUPPORT												
	5120501	BUSHING	4	2	2	2	2	2	2	4	2	2	4	2
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT												
4B	5148810	GASKET	2	1	1	1	1	1	1	2		1	2	1
		3.4370 - COUPLING, BLOWER DRIVE												
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.												
	5150344	* COUPLING ASSY.	2	1	1	1		1	1	2	1	1	2	1

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 99	100	105	108	109	119	147	149	150	151	153	154
		3.4370 - COUPLING, BLOWER DRIVE (CONT'D)												
	5141473	COUPLING					1							
4A	**186649**	BOLT, 5/16"-24X1 5/8" (12.9001)	12	6	6	6	3	6	6	12	6	6	12	6
4A	**8920762**	BOLT, 5/16"-24 X 1" (3.4135)					3							
4A	**8920761**	BOLT, 5/16"-24 X .750" (3.4135)					6							
4A	**120393**	WASHER, 5/16" (12.9190)												
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	12	6	6	6	6	6	6	12	6	6	12	6
		* NOT SERVICED, USE 5103377 PLUS 1 5103364.												
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING												
4A	**5150345**	SUPPORT	2	1	1	1		1	1	2	1	1	2	1
		3.4390 - CAM, BLOWER DRIVE COUPLING												
4A	**5150348**	* CAM	2	1	1	1		1	1	2	1	1	2	1
		* NOT SERVICED, USE 5103365 PLUS 1 5103364												
		3.4400 - SPRING, BLOWER DRIVE COUPLING												
4A	**5196314**	* SPRING PACK	2	1	1	1		1	1	2	1	1	2	1
		* NOT SERVICED, USE (42) 5123859 AND (2) 5123860.												
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING												
4A	**5150346**	SEAT	8	4	4	4		4	4	8	4	4	8	4
		3.4420 - RETAINER, BLOWER DRIVE COUPLING												
4A	**5150349**	RETAINER	2	1	1	1		1	1	2	1	1	2	1

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 158	159	167	171	172	174	175	176	180	181	185	186
		3.4001 - BLOWER ASSY.												
		SEE ASSEMBLY BREAKDOWN PAGE A1 FOR COMPONENTS OF BASIC BLOWER ASSEMBLIES.												
	5121733	* @ BLOWER ASSY. (5103532 BASIC) (6V)	1											
	5121731	* @ BLOWER ASSY. (5103494 BASIC) (8-16V)		1			1			2				
	5121728	* @ BLOWER ASSY. (REAR) (5103532 BASIC) (12V)			1									
	5121729	* # BLOWER ASSY. (FRONT) (5103532 BASIC) (12V)			1									
	5145946	* @ BLOWER ASSY. (5103533 BASIC) (6V)				1								
	5198192	* @ BLOWER ASSY. (REAR) (5103533 BASIC) (12V)						1	1					
	5124303	* #BLOWER ASSY. (FRONT) (5103533 BASIC) (12V)						1	1					
	5128504	* @ BLOWER ASSY. (5103495 BASIC) (8-16V)									1	2		
	5144789	* BLOWER ASSY. (5144787 BASIC) (8-16V)											1	2
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	4	6	8	4	6	8	8	12	6	12	6	12
	9411488	BOLT, 7/16"-14X8 1/4" (12.9001)	2	2	4	2	2	4	4	4	2	4	2	4
	5121905	WASHER, 15/32"I.D.X7/8"O.D.X5/32"L.	2	2	4	2	2	4	4	4	2	4	2	4
	5121814	WASHER, 3/4"O.D.X40"I.D.	4	6	8	4	6	8	8	12	6	12	6	12
		* COMPLETE BLOWER ASSEMBLY NOT SERVICED; USE BASIC BLOWER ASSEMBLY SHOWN IN PARENTHESES.												
		@ INCLUDE 5103377 TO ASSURE INTERCHANGEABILITY												
		# INCLUDE 5103361 TO ASSURE INTERCHANGEABILITY												
		3.4003 - GASKET KIT, BLOWER INSTALLATION												
		INCLUDES ITEMS IN 2.2007, 3.4010, 3.4025, 3.4220, 3.4227 AND 3.4360 PLUS GASKET IN 2.7030 AND (2) COPPER WASHERS IN 3.4350.												
	5196384	* GASKET KIT (6V)	AR			AR								
	5196385	+ GASKET KIT (8V, 16V)		AR			AR							
	5149642	GASKET KIT (12V)			AR			AR	AR					
	5149643	GASKET KIT TURBO (8V)								AR	AR		AR	
	5199670	+ GASKET KIT (8V, 16V)										AR		AR
		+ NOT SERVICED, USE 5149644 8V NATURALLY ASPIRATED AND FOR 16V USE 5149645 ALL.												
		* NOT SERVICED, USE 5149641 6V T/OTM/TA AND USE 5149646 NATURALLY ASPIRATED ENGINES.												
		3.4005 - BLOWER KIT, REPAIR												
		INCLUDES ITEMS IN 3.4040, 3.4060, 3.4090, LOCKWASHERS IN 3.4110, 3.4158, 3.4159, 3.4160 AND 3.4163.												

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 158	159	167	171	172	174	175	176	180	181	185	186
		3.4005 - BLOWER KIT, REPAIR (CONT'D)												
		SEAL RING IN 3.4180 AND 3.4190.												
	5108120	BLOWER KIT (NON-TURBO)	AR	AR	AR		AR			AR				
	5108121	BLOWER KIT (TURBO)				AR		AR	AR		AR	AR		
	5108123	BLOWER KIT (TURBO)											AR	AR
		3.4010 - GASKET, BLOWER												
4A	**5147469**	GASKET	1			1		2	2					
4A	**5141588**	GASKET		1			1			2	1	2	1	2
		3.4025 - SCREEN, BLOWER												
3A	**5103515**	SCREEN AND GASKET ASSY.	1		2	1		2	2					
3A	**5103602**	SCREEN		1			1			2	1	2	1	2
		3.4103 - SPROCKET, BLOWER ROTOR GEAR DRIVE												
4C	**5117090**	SPROCKET (REAR BLOWER)			1			1	1					
4C	**5117082**	SPACER						1	1					
4C	**5117081**	BOLT, 1/2"-20X1 1/4" (3.4080)						1	1					
		3.4105 - SPROCKET, BLOWER ROTOR GEAR DRIVEN												
4C	**5117090**	SPROCKET (FRONT BLOWER)			1			1	1					
4C	**5125464**	BOLT, 3/8"-24X1" HEX. SOC. HD.			3			3	3					
		3.4107 - CHAIN, BLOWER ROTOR GEAR SPROCKET COUPLING												
4C	**5117091**	CHAIN, 1 1/4" W., 10.28"L. ENDLESS			1			1	1					
		3.4110 - DISC, BLOWER ROTOR FUEL PUMP COUPLING												
4A	**5154401**	DISC	1	1	1	1	1	1	1	2	1	2	1	2
4A	**182776**	BOLT, 1/2"-20X1 1/4" (12.9001)	1	1	1	1	1	1	1	2	1	2	1	2
4A	**5154398**	LOCKWASHER, 1/2" (3.4080)	1	1	1	1	1	1	1	2	1	2	1	2
		3.4112 - SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC												
4A	**5117778**	* SPACER	1	1	1	1	1	1	1	1	1	1	1	1
		* USE WITH MECHANICAL GOVERNOR AND HYDRAULIC GOVERNOR WITH CLOSED												

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 158	159	167	171	172	174	175	176	180	181	185	186
		3.4112 - SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC (CONT'D)												
		LINKAGE.												
		3.4130 - HUB, BLOWER ROTOR GEAR												
4B	5122914	* HUB	1	1			1	1	1	2	1	2		2
	5123081	@ HUB (WITH LUGS FOR ACCESSORY DRIVE)	AR	AR	AR	AR							AR	
		* MARINE APPLICATION THRU 6VA-50621, 8VA-81196.												
		@ MARINE APPLICATION EFFECTIVE WITH 6VA-50622, 8VA-81197.												
		3.4135 - PLATE, BLOWER ROTOR GEAR HUB												
4B	8920764	PLATE (SPRING)	2	2	2	2	2	2	2	4	2	4	2	4
4B	8920760	BOLT, 3/8"-24 X .812"			6	6	6	6	6	12	6	12	6	12
		3.4137 - SPACER, BLOWER ROTOR GEAR HUB												
	8920763	SPACER, .385" I.D. X 1" O.D. X .013 THK.			6	6	6	6	6	12	6	12	6	12
		3.4180 - COVER, BLOWER HOUSING END PLATE												
		REFER TO ASSEMBLY BREAKDOWN PAGE B1 FOR COMPONENTS OF COVER KITS.												
	5146521	COVER, W/TACH HOLE											1	
	5148179	COVER, LESS TACH HOLE												2
4A	5196760	# COVER KIT (3.4182)	1			1								
4A	5196761	# COVER KIT (3.4182)		1			1			2	1	2		
4A	5196762	# COVER KIT (REAR OF FRONT BLOWER, FRONT OF REAR BLOWER) (3.4182)			1			1	1					
4A	5196763	# COVER KIT (REAR OF REAR BLOWER) (3.4182)			1			1	1					
	5146490	FLANGE (TACHOMETER)											1	
	5178595	BRACKET (2.5030)					1							
	5144410	@ CONNECTOR ASSY.	1	1	1	1	1	1	1	2	1	2		
	5144424	@ SEAL RING, 1/4" TUBE (12.9435)	1	1	1	1	1	1	1	2	1	2		
	5150014	PLUG, 1 1/4" CUP (1.1001)											1	
4A	179827	* BOLT, 5/16"-18X2 1/4" (12.9001)			4				4					
4A	186643	BOLT, 5/16"-18X2 1/16" (12.9001)						2						
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)											10	20
	103320	LOCKWASHER, 5/16" (12.9200)						2					10	20
		# THRU 12VA-131.												
		@ EFFECTIVE WITH 6VA-54307, 8VA-107424, 12VA-20733, 12VA-5165.												
		* WITH CAST ALUMINUM COVER THRU												

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 158	159	167	171	172	174	175	176	180	181	185	186
		3.4180 - COVER, BLOWER HOUSING END PLATE (CONT'D)												
		6VA-162, 8VA-320, 12VA-131.												
		3.4190 - GASKET, BLOWER END PLATE HOUSING COVER												
	5126499	GASKET											1	2
		3.4220 - SEAL, BLOWER DRIVE COVER												
4A	5146040	SEAL		1			1	1		2	1	2		
	5100901	SEAL											1	2
	5117716	TUBE (5/16"I.D.X2") (4.1660)			1			1		2				
	5117718	TUBE (5/16"X2.40") (4.1660)	1			1								
	5117717	TUBE (5/16"I.D.X4.20") (4.1660)		1			1			2	1	2	1	2
4A	5128633	HOSE (4 1/2"I.D.X3") (3.4350)		1			1	1		2	1	2		
	5144409	ADAPTOR (4.1660)						1	1					
	5123257	REINFORCEMENT, HOSE (4.12"I.D.X 4.50"O.D.X1.66"L.)		1			1			2	1	2		
	114629	CONNECTOR, BALL SLEEVE (5/16" TUBE) (12.9410)		1	1	1	1			2	1	2	1	2
	5147161	CONNECTOR, 1/4" PIPE (12.9415)											1	2
	5144424	SEAL RING, 1/4" TUBE (12.9435)											1	2
	114631	SLEEVE, BALL (5/16" TUBE) (12.9430)		1	1	1	1			2	1	2	1	2
	114630	NUT, BALL SLEEVE (5/16" TUBE) (12.9440)		1	1	1	1			2	1	2	1	2
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING												
4A	5106219	CLAMP (12.9660)	1		2	1		2	2				1	2
		3.4300 - GEAR, BLOWER DRIVE												
		INCLUDES BUSHING IN 3.4355.												
4B	5122918	GEAR ASSY. (L.H. HELIX) (38 TEETH)	1	1	1		1							
4B	5122920	GEAR ASSY. (L.H. HELIX) (40 TEETH)				1		1					1	1
4B	5109602	GEAR ASSY. (L.H. HELIX) (39 TEETH)							1	1	1			
4B	5109601	GEAR ASSY. (R.H. HELIX) (39 TEETH)								1		1		
4B	5122919	GEAR ASSY. (R.H. HELIX) (40 TEETH)												1
		3.4302 - WASHER, BLOWER DRIVE GEAR THRUST												
4B	5117700	BEARING, THRUST	2	2	2	2	2	2	2	4	2	4	2	4

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 158	159	167	171	172	174	175	176	180	181	185	186
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST												
4B	**5117704**	WASHER	1	1	1	1	1	1	1	2	1	2	1	2
		3.4330 - NUT, BLOWER DRIVE GEAR HUB												
4B	**5117727**	NUT (1 7/16"-16)	1	1	1	1	1	1	1	2	1	2	1	2
		3.4340 - LOCKWASHER, BLOWER DRIVE GEAR												
4B	**5117720**	LOCKWASHER (1 15/32")	1	1	1	1	1	1	1	2	1	2	1	2
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB												
		SUPPORT ASSY. INCLUDES SPRING PIN AND DOWEL PINS IN 3.4350.												
4B	**8920682**	SUPPORT ASSY.	1	1										2
4B	**8920681**	SUPPORT ASSY.			1	1	1	1	1	2			1	
	274889	PIN, 1/8"X1/4" SPRING (12.9270)	1	1	1	1	1	1	1	2			1	2
	141126	PIN, 5/32"X1/4" DOWEL (12.9290)	1	1	2	1	1	2	2	4			1	4
4B	**181361**	BOLT, 3/8"-24X7/8" (12.9001)	2	2	1	1	1	1	2	4			1	4
4B	**181365**	BOLT, 3/8"-24X1 1/8" (12.9001)			1	1	1	1	1				1	
4B	**5152148**	WASHER, 3/8" COPPER (2.4050)	2	2	2	2	2	2	2	4			2	4
		3.4355 - BEARING, BLOWER DRIVE GEAR HUB SUPPORT												
	5120501	BUSHING	2	2	2	2	2	2	2	4		4	2	4
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT												
4B	**5148810**	GASKET			1	1	1	1	1	2				2
		3.4370 - COUPLING, BLOWER DRIVE												
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.												
	5150344	* COUPLING ASSY.	1	1	1	1	1	1	1	2	1	2		
	5141473	COUPLING											1	2
4B	**8920765**	PLATE											2	4
	5173364	SPACER											3	6

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 158	159	167	171	172	174	175	176	180	181	185	186
		3.4370 - COUPLING, BLOWER DRIVE (CONT'D)												
4A	8920761	BOLT, 5/16"-24X.75" (3.4135)											3	6
4A	8920762	BOLT, 5/16"-24X1" (3.4135)											3	6
4A	186649	BOLT, 5/16"-24X1 5/8" (12.9001)	6	6	6	6	6	6	6	12	6	12		
4A	120393	WASHER, 5/16" (12.9120)											6	12
4A	103320	LOCKWASHER, 5/16" (12.9200)	6	6	3	6	6	3	3	12	6	12	6	12
		* NOT SERVICED, USE 5103377 PLUS 1 5103364												
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING												
4A	5150345	SUPPORT	1	1	1	1	1	1	1	2	1	2		
		3.4390 - CAM, BLOWER DRIVE COUPLING												
4A	5150348	* CAM	1	1	1	1	1	1	1	2	1	2		
		* NOT SERVICED, USE 5103365 PLUS 1 5103364												
		3.4400 - SPRING, BLOWER DRIVE COUPLING												
4A	5196314	* SPRING PACK	1	1	1	1	1	1	1	2	1	2		
		* NOT SERVICED, USE (42) 5123859 AND (2) 5123860.												
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING												
4A	5150346	SEAT	4	4	4	4	4	4	4	8	4	8		
		3.4420 - RETAINER, BLOWER DRIVE COUPLING												
4A	5150349	RETAINER	1	1	1	1	1	1	1	2	1	2		

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	194	195	196	197	211	213	246	247	248	249	250	251	252
	3.4001	**- BLOWER ASSY.**														
		SEE ASSEMBLY BREAKDOWN PAGE A1 FOR COMPONENTS OF BASIC BLOWER ASSEMBLIES.														
		• FOR TYPE 239 USE TYPE 571 •														
		• FOR TYPE 240 USE TYPE 368•														
		• FOR TYPE 241 USE TYPE 369•														
		• FOR TYPE 242 USE TYPE 572 •														
	5121733	* @ BLOWER ASSY. (5103532 BASIC) (6V)						1								
	5148180	* BLOWER ASSY. (5144787 BASIC) (8-16V)	2	1	1	1	1		2							
	5103708	* @ BLOWER ASSY. (5103533 BASIC) (6V)								1	1					
	5103714	* @BLOWER ASSY. (5103532 BASIC) (12V)										2	2		2	2
	5103709	* @ BLOWER ASSY. (5103495 BASIC) (8V)												1		
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	12	6	6	6	6	4	12	4	4	8	8	6	8	8
	9411488	BOLT, 7/16"-14X8 1/4" (12.9001)	4	2	2	2	2	2	4	2	2	4	4	2	4	4
	5121905	WASHER, 15/32"I.D.X7/8"O.D.X5/32"L.	4	2	2	2	2	2	4	2	2	4	4	2	4	4
	5121814	WASHER, 3/4" O.D.X.40" I.D.	12	6	6	6	6	4	12	4	4	8	8	6	8	8
		* COMPLETE BLOWER ASSEMBLY NOT SERVICED; USE BASIC BLOWER ASSEMBLY SHOWN IN PARENTHESES.														
		@ INCLUDE 5103377 TO ASSURE INTERCHANGEABILITY.														
	3.4003	**- BLOWER KIT, INSTALLATION**														
		INCLUDES ITEMS IN 2.2007, 3.4010, 3.4025, 3.4220, 3.4227 AND 3.4360 PLUS GASKET IN 2.7030 AND (2) COPPER WA SHERS IN 3.4350.														
	5149642	GASKET KIT (12V)										AR	AR		AR	AR
	5196384	* GASKET KIT (6V)						AR								
	5196385	+ GASKET KIT (8V, 16V)								AR	AR					
	5149643	GASKET KIT TURBO (8V)		AR		AR	AR							AR		
	5199670	@ GASKET KIT (8V, 16V)	AR						AR							
		+ NOT SERVICED, USE 5149644 FOR 8V & 16V NATURALLY ASPIRATED; 5149644 FOR 16V TURBO; 5149643 FOR 8V T, OTM, TA, TAE ENGINES.														
		@ NOT SERVICED, USE 5149644 FOR 8V NATURALLY ASPIRATED; 5149645 FOR *16V NATURALLY ASPIRATED & TURBO;* 514964 3 FOR 8VT, OTM, TA, TAE ENGINES, NATURALLY ASPIRATED.														
		* NOT SERVICED, USE 5149646 FOR NATURALLY ASPIRATED ENGINES.														
	3.4005	**- BLOWER KIT, REPAIR**														
		INCLUDES ITEMS IN 3.4040, 3.4060, 3.4090, LOCKWASHERS IN 3.4110, 3.4158, 3.4159, 3.4160 AND 3.4163. SEAL RI NG IN 3.4180 AND 3.4190.														
	5108120	BLOWER KIT (NON-TURBO)						AR				AR	AR		AR	AR
	5108121	BLOWER KIT (TURBO)							AR	AR	AR			AR		

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	194	195	196	197	211	213	246	247	248	249	250	251	252
		3.4005 - BLOWER KIT, REPAIR (CONT'D)														
	5108123	BLOWER KIT (LARGE BEARING) (TURBO AND PUMPER)	AR	AR	AR	AR	AR									
		3.4010 - GASKET, BLOWER														
4A	**5147469**	GASKET						1		1	1	2	2		2	2
4A	**5141588**	GASKET	2	1	1	1	1		2					1		

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	194	195	196	197	211	213	246	247	248	249	250	251	252
		3.4025 - SCREEN, BLOWER														
3A	5103515	SCREEN						1		1	1	2	2		2	2
3A	5103602	SCREEN												1		
3A	5128033	SCREEN	2	1	1				1							
3A	5102062	SCREEN				1	1									
3A	5145235	GASKET (LESS SCREEN) (3.3030)								1	1	2	2		2	2
		3.4103 - SPROCKET, BLOWER ROTOR GEAR DRIVE														
	5117090	SPROCKET										1	1		1	1
	5103361	SPROCKET (3.4105)										1	1		1	1
	5121182	PLUG, 1/4" PIPE HEX. SOC. (2.4015)										1	1		1	1
	5125464	BOLT, 3/8"-24X1" (3.4105)										3	3		3	3
-	5103364	BOLT, 1/2"-20X1.10" (12 PT. HD.)										1	1		1	1
		3.4107 - CHAIN, BLOWER ROTOR GEAR SPROCKET COUPLING														
-	5117091	CHAIN, 1/4"W., 10.28"L. ENDLESS										1	1		1	1
		3.4110 - DISC, BLOWER ROTOR FUEL PUMP														
4A	5154401	DISC	2	1	1	1	1	1	2	1	1	1	1	1	1	1
4A	120677	BOLT, 1/2"-20X1 1/4" (12.9001)	2	1	1	1	1	1	2	1	1	1	1	1	1	1
4A	5154398	LOCKWASHER, 1/2" (3.4080)	2	1	1	1	1	1	2	1	1	1	1	1	1	1
		3.4112 - SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC														
4A	5117778 *	SPACER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		* USE WITH MECHANICAL GOVERNOR AND HYDRAULIC GOVERNOR WITH CLOSED LINKAGE.														
		3.4130 - HUB, BLOWER ROTOR GEAR														
4B	5122914 *	HUB	2	1		1	1		2		1	1	1		1	
	5123081 @	HUB (WITH LUGS FOR ACCESSORY DRIVE)			AR			AR		1	1			1		1
		* MARINE APPLICATION THRU 6VA-50621, 8VA-81196.														
		@ MARINE APPLICATION EFFECTIVE WITH 6VA-50622, 8VA-81197.														

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	194	195	196	197	211	213	246	247	248	249	250	251	252
		3.4135 - PLATE, BLOWER ROTOR GEAR HUB														
4B	8920764	PLATE (SPRING)	4	2	2	2	2	2	4	2	2	2	2	2	2	2
4B	8920760	BOLT, 3/8"-24 X .812"	12	6	6	6	6	6	12	6	6	6	6	6	6	6
		3.4137 - SPACER, BLOWER ROTOR GEAR HUB														
	8920763	SPACER, .385" I.D. X 1" O.D. X .013 THK.	12	6	6	6	6	6	12	6	6	6	6	6	6	6
		3.4180 - COVER, BLOWER HOUSING END PLATE														
		REFER TO ASSEMBLY BREAKDOWN PAGE B1 FOR COMPONENTS OF COVER KITS.														
	5146521	COVER					1									
	5148179	COVER	2	1	1	1			2							
	5196763	COVER KIT (3.4182)										2	2		2	2
	5123449	+ COVER												1		
	5123445	COVER										1	1		1	1
4A	5196760	# COVER KIT (3.4182)						1		1	1					
	5146490	FLANGE					1									
	5144410	@ CONNECTOR ASSY.						1		1	1	1	1	1	1	1
	5144424	@ SEAL RING, 1/4" TUBE (12.9435)						1		1	1	1	1	1	1	1
4A	186643	BOLT, 5/16"-18X2 1/16" (12.9001)						8		12	12	32	32	12	32	32
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)	20	10	10	10	10		20							
	5159714	WASHER						8		10	10	30	30	10	30	30
	103320	LOCKWASHER, 5/16" (12.9200)	20	10	10	10	10	10	20	12	12	32	32	12	32	32
		# THRU 12VA-131.														
		@ EFFECTIVE WITH 6VA-54307, 8VA-107424, 12VA-20733, 12VA-5165.														
		+ NOT SERVICED. USE 5196760 KIT (6V-71) OR 5196761 KIT (8V-71).														
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER														
	5126499	GASKET	2	1	1	1	1	2		1	1	3	3	1	3	3
		3.4220 - SEAL, BLOWER DRIVE COVER														
	8922140	SEAL (4.32" I.D.X4.88" O.D.X.77" WIDE)	2	1	1	1	1	1	2	1	1	2	2		2	2
	5146040	SEAL												1		
	5117717	TUBE (5/16"I.D.X4.20") (4.1660)	2	1	1	1	1	1	2					1		
	5144409	ADAPTOR (4.1660)						1		1	1	1	1		1	1
	5123257	REINFORCEMENT, BLOWER DRIVE COVER												1		
	114629	CONNECTOR, BALL SLEEVE (5/16" TUBE) (12.9410)	2	1	1	1	1	2	2					1		
	5147161	CONNECTOR, 1/4" PIPE (12.9415)	2	1	1	1	1		2							
	5144424	SEAL RING, 1/4" TUBE (12.9435)	2	1	1	1	1		2							
	114631	SLEEVE, BALL (5/16" TUBE) (12.9430)	2	1	1	1	1	1	2					1		
	114630	NUT, BALL SLEEVE (5/16" TUBE)	2	1	1	1	1	1	2					1		

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	194	195	196	197	211	213	246	247	248	249	250	251	252
		3.4220 - SEAL, BLOWER DRIVE COVER (CONT'D)														
		(12.9440)														
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING														
4A	**5106219**	CLAMP (12.9660)	2	1	1	1	1	1	2	1	1	2	2	2	2	2
		3.4300 - GEAR, BLOWER DRIVE														
		INCLUDES BUSHING IN 3.4355.														
4B	**5122918**	GEAR ASSY. (L.H. HELIX) (38 TEETH)						1				1			1	1
4B	**5122920**	GEAR ASSY. (L.H. HELIX) (40 TEETH)			1	1	1		1	1	1			1		
4B	**5109602**	GEAR ASSY. (L.H. HELIX) (39 TEETH)	1	1									1			
4B	**5109601**	GEAR ASSY. (R.H. HELIX) (39 TEETH)	1													
4B	**5122919**	GEAR ASSY. (R.H. HELIX) (40 TEETH)							1							
		3.4302 - WASHER, BLOWER DRIVE GEAR THRUST														
4B	**5117700**	BEARING, THRUST	4	2	2	2	2	2	4	2	2	2	2	2	2	2
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST														
3	**5117704**	WASHER	2	1	1	1	1	1	2	1	1	1	1	1	1	1
		3.4330 - NUT, BLOWER DRIVE GEAR HUB														
4B	**5117727**	NUT (1 7/16"-16)	2	1	1	1	1	1	2	1	1	1	1	1	1	1
		3.4340 - LOCKWASHER, BLOWER DRIVE GEAR														
4B	**5117720**	LOCKWASHER (1 15/32")	2	1	1	1	1	1	2	1	1	1	1	1	1	1
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB														
		SUPPORT ASSY. INCLUDES SPRING PIN AND DOWEL PINS IN 3.4350.														
4B	**8920681**	SUPPORT ASSY.	2	1	1	1	1	1		1	1	1	1	1	1	1
4B	**8920682**	SUPPORT ASSY. (REAR)							1							
4B	**5138836**	– SUPPORT ASSY. (8920681)							1							

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	194	195	196	197	211	213	246	247	248	249	250	251	252
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB (CONT'D)														
	274889	PIN, 1/8"X1/4" SPRING (12.9270)	2	1	1	1	1			1	1	1	1	1	1	1
	5106909	PIN, 3/16" X 1/4" DOWEL							4						2	
	141126	PIN, 5/32"X1/4" DOWEL (12.9290)	4	1	1	1	1		4							
4B	181361	BOLT, 3/8"-24X7/8" (12.9001)	4	2	1	1	1	1	3	1	1	1	1	1	1	1
4B	181365	BOLT, 3/8"-24X1 1/8" (12.9001)			1	1	1	1	1	1	1	1	1	1	1	1
	186317	BOLT, 3/8"-24X5" (12.9001)							1							
4B	5152148	WASHER, 3/8" COPPER (2.4050)	4	2	2	2	2	2	4	2	2	2	2	2	2	2
		+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.														
		3.4355 - BEARING, BLOWER DRIVE GEAR HUB SUPPORT														
	5120501	BUSHING	4	2	2	2	2	2	4	1	1	1	1	1	1	1
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT														
4B	5148810	GASKET	2	1	1	1	1	1	2	1	1	1	1	1	1	1
		3.4370 - COUPLING, BLOWER DRIVE														
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.														
	5150344	COUPLING ASSY.						1								
	5103377	COUPLING ASSY.								1	1	1	1	1	1	1
	5141473	COUPLING	2	1	1	1	1		2							
4B	5141474	+ PLATE (8920765)	4	2	2	2	2		4							
	5173364	SPACER	6	3	3	3	3		6							
4A	8920761	BOLT, 5/16"-24X.75" (3.4135)	6	3	3	3	3		6							
4A	8920762	BOLT, 5/16"-24X1" (3.4135)	6	3	3	3	3		6							
4A	186649	BOLT, 5/16"-24X1 5/8" (12.9001)						6		6	6	6	6	6	6	6
4A	120393	WASHER, 5/16" (12.9120)	12	6	6	6	6		12							
4A	103320	LOCKWASHER, 5/16" (12.9200)	12	6	6	6	6	6	12	6	6	6	6	6	6	6
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.														
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING														
4A	5150345	SUPPORT						1		1	1	1	1	1	1	1
		3.4390 - CAM, BLOWER DRIVE COUPLING														
4A	5150348	CAM						1								
4A	5103365	CAM								1	1	1	1	1	1	1

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	194	195	196	197	211	213	246	247	248	249	250	251	252
		3.4400 - SPRING, BLOWER DRIVE COUPLING														
4A	5196314	* SPRING PACK * NOT SERVICED, USE (42) 5123859 AND (2) 5123860.						1		1	1	1	1	1	1	1
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING														
4A	5150346	SEAT						4		4	4	4	4	4	4	4
		3.4420 - RETAINER, BLOWER DRIVE COUPLING														
4A	5150349	RETAINER						1		1	1	1	1	1	1	1

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 253	254	255	256	257	258	259	260	261	262	263	264	265	266
	3.4001	**- BLOWER ASSY.**														
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED FOR COMPONENTS OF BASIC BLOWER ASSY.														
	5103714	* @ BLOWER ASSY. (5103532 BASIC) (12V) (A1)	1	1	1	1										
	5103713	* @ BLOWER ASSY. (5103532 BASIC) (12V) (A1)	1	1	1	1										
	5103710	* @ BLOWER ASSY. (5103533 BASIC) (12V) (A1)					1	1	1	1	1	1	1	1		
	5103711	* @ BLOWER ASSY. (5103533 BASIC) (12V) (A1)					1	1	1	1	1	1	1	1		
	5103671	* @ BLOWER ASSY. (5103494 BASIC) (16V) (A1)													2	2
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8	12	12
	5121905	BOLT, 7/16"-14X8 1/4" (12.9001)	4	4	4	4									4	4
	5125608	WASHER, 15/32"X3/4"X1/8" (1.3112)					4	4	4	4	4	4	4	4		
	5121814	WASHER, 3/4" O.D.X.40"I.D.	8	8	8	8	8	8	8	8	8	8	8	8	12	12
		* COMPLETE BLOWER ASSEMBLIES NOT SERVICED, USE BASIC BLOWER ASSEMBLY SHOWN IN PARENTHESES.														
		@ INCLUDE 5103377 TO ASSURE INTERCHANGEABILITY														
	3.4003	**- GASKET KIT, BLOWER INSTALLATION**														
		INCLUDES ITEMS IN 2.2007, 3.4010, 3.4025, 3.4220, 3.4227 AND 3.4360 PLUS GASKET IN 2.7030 AND (2) COPPER WASHERS IN 3.4350.														
	5149642	GASKET KIT (12V)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		
	5196385	+ GASKET KIT (8V, 16V)													AR	AR
		+ NOT SERVICED, USE 5149644 8V NATURALLY ASPIRATED AND FOR 16V USE 5149645 ALL.														
	3.4005	**- BLOWER KIT, REPAIR**														
		INCLUDES ITEMS IN 3.4040, 3.4060, 3.4090, LOCKWASHERS IN 3.4110, 3.4158, 3.4159, 3.4160 AND 3.4163, SEAL RING IN 3.4180 AND 3.4190.														
	5108120	BLOWER KIT, NON-TURBO	AR	AR	AR	AR									AR	AR
	5198164	BLOWER KIT, TURBO					AR	AR	AR	AR	AR	AR	AR	AR		
	3.4010	**- GASKET, BLOWER**														
4A	**5147469**	GASKET	2	2	2	2	2	2	2	2	2	2	2	2		
4A	**5141588**	GASKET													2	2

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 253	254	255	256	257	258	259	260	261	262	263	264	265	266
		3.4025 - SCREEN, BLOWER														
3A	5103515	SCREEN	2	2	2	2	2	2	2	2	2	2	2	2		
3A	5103602	SCREEN													2	2
		3.4103 - SPROCKET, BLOWER ROTOR GEAR DRIVE														
-	5117090	SPROCKET	1	1	1	1	1	1	1	1	1	1	1	1		
-	5103361	SPROCKET (3.4105)	1	1	1	1	1	1	1	1	1	1	1	1		
-	5121182	PLUG, 1/4" PIPE HEX. SOC.(2.4015)	1	1	1	1	1	1	1	1	1	1	1	1		
-	5125464	BOLT, 3/8"-24X1" (3.4105)	3	3	3	3	3	3	3	3	3	3	3	3		
-	5103364	BOLT, 1/2"-20X1.10" (12 PT. HD.)	1	1	1	1	1	1	1	1	1	1	1	1		
		3.4107 - CHAIN, BLOWER ROTOR GEAR SPROCKET COUPLING														
-	5117091	CHAIN, 1/4"W., 10.28"L. ENDLESS	1	1	1	1	1	1	1	1	1	1	1	1		
		3.4110 - DISC, BLOWER ROTOR FUEL PUMP														
4A	5154401	DISC	1	1	1	1	1	1	1	1	1	1	1	1	2	2
4A	120677	BOLT, 1/2"-20X1 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	2	2
4A	5154398	LOCKWASHER, 1/2" (3.4080)	1	1	1	1	1	1	1	1	1	1	1	1	2	2
		3.4112 - SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC														
4A	5117778	* SPACER * USE WITH MECHANICAL GOVERNOR AND HYDRAULIC GOVERNOR WITH CLOSED LINKAGE.	1	1	1	1	1	1	1	1	1	1	1	1	2	2
		3.4130 - HUB, BLOWER ROTOR GEAR														
4B	5122914	HUB		1	1		1	1	1			1		1	2	1
-	5123081	HUB (WITH LUGS FOR ACCESSORY DRIVE)	1			1				1			1			1
		3.4135 - PLATE, BLOWER ROTOR GEAR HUB														
4B	8920764	PLATE (SPRING)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4B	8920760	BOLT, 3/8"-24 X .812"	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		3.4137 - SPACER, BLOWER ROTOR GEAR HUB														
	8920763	SPACER, .385" I.D. X 1" O.D. X .013" THK.	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		3.4180 - COVER, BLOWER HOUSING END PLATE														
4A	5123448	COVER	2	2	2	2	2	2	2	2	2	2	2	2		
4A	5123445	COVER	1	1	1	1	1	1	1	1	1	1	1	1		
4A	5123449	COVER													2	2

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 253	254	255	256	257	258	259	260	261	262	263	264	265	266
		3.4180 - COVER, BLOWER HOUSING END PLATE (CONT'D)														
	5144410	CONNECTOR ASSY.	1	1	1	1	1	1	1	1	1	1	1	1	2	2
	5144424	SEAL RING, 1/4" TUBE (12.9435)	1	1	1	1	1	1	1	1	1	1	1	1	2	2
4A	**186643**	BOLT, 5/16"-18X2 1/16" (12.9001)	32	32	32	32	32	32	32	32	32	32	32	32	24	24
	5159714	WASHER	30	30	30	30	30	30	30	30	30	30	30	30	20	20
	103320	LOCKWASHER, 5/16" (12.9200)	32	32	32	32	32	32	32	32	32	32	32	32	24	24
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER														
	5126499	GASKET	3	3	3	3	3	3	3	3	3	3	3	3	2	2
		3.4220 - SEAL, BLOWER DRIVE COVER														
	8922140	SEAL (4.32" I.D. X 4.88" O.D. X .77" WIDE)	2	2	2	2	2	2	2	2	2	2	2	2		
	5146040	SEAL													2	2
	5117717	TUBE (5/16" I.D.X4.20")(4.1660)													2	2
	5144409	ADAPTOR (4.1660)	1	1	1	1	1	1	1	1	1	1	1	1		
	114629	CONNECTOR, BALL SLEEVE(5/16"TUBE) (12.9410)													2	2
	5123257	REINFORCEMENT, BLOWER DRIVE COVER													2	2
	114631	SLEEVE, BALL (5/16" TUBE)(12.9430)													2	2
	114630	NUT, BALL SLEEVE (5/16" TUBE) (12.9440)													2	2
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING														
4A	**5106219**	CLAMP (12.9660)	2	2	2	2	2	2	2	2	2	2	2	2	4	4
		3.4300 - GEAR, BLOWER DRIVE														
		INCLUDES BUSHING IN 3.4355														
4B	**5115898**	GEAR (R.H. HELIX) (39 TEETH)									1					
4B	**5122918**	GEAR ASSY.(L.H. HELIX)(38 TEETH)	1		1	1									1	1
4B	**5109602**	GEAR ASSY.(L.H. HELIX)(39 TEETH)						1								
4B	**5122920**	GEAR ASSY.(L.H. HELIX)(40 TEETH)		1			1		1	1		1	1	1		
4B	**5123091**	GEAR ASSY.(R.H. HELIX)(38 TEETH)													1	1
		3.4302 - WASHER, BLOWER DRIVE GEAR THRUST														
4B	**5117700**	BEARING, THRUST	2	2	2	2	2	2	2	2		2	2	2	4	4

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 253	254	255	256	257	258	259	260	261	262	263	264	265	266
		3.4310 - HUB, BLOWER DRIVE GEAR														
-	5150279	HUB									1					
-	169067	BALL, 7/32" (12.9670)									1					
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST														
4B	5117704	WASHER	1	1	1	1	1	1	1	1		1	1	1	2	2
4B	5122529	WASHER									1					
4B	5158901	WASHER									1					
		3.4330 - NUT, BLOWER DRIVE GEAR HUB														
4B	5152804	NUT, 1 1/2"-16									1					
4B	5117727	NUT, 1 7/16"-16	1	1	1	1	1	1	1	1		1	1	1	2	2
		3.4340 - LOCKWASHER, BLOWER DRIVE GEAR														
4B	5150281	LOCKWASHER, 17/32" EXTERNAL TEETH									1					
4B	5117720	LOCKWASHER, 1 15/32" EXTERNAL TEETH	1	1	1	1	1	1	1	1		1	1	1	2	2
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB														
		INCLUDES SPRING PIN AND DOWEL PINS IN 3.4350.														
4B	5122528	+ SUPPORT ASSY									1					
4B	5138836	@ SUPPORT ASSY	1	1	1	1	1	1		1		1	1	1	1	
4B	5117722	@ SUPPORT ASSY							1						1	2
	5145009	PLUG, 1/8" PIPE (12.9550)									1					
	274889	PIN, 1/8"X1/4" SPRING (12.9270	1	1	1	1	1	1	1	1		1	1	1	2	2
	5106909	PIN, 3/16" X 1/4" DOWEL	2	2	2	2	2	2	2	2		2	2	2	4	4
4B	181361	BOLT, 3/8"-24X7/8" (12.9001)	1			1	1	1	2	1	2	1	1	1	4	4
4B	186317	BOLT, 3/8"-24X5" (12.9001)													1	
4B	181365	BOLT, 3/8"-24X1 1/8" (12.9001)	1	1	1	1	1	1		1		1	1	1		
4B	5152148	WASHER, 3/8" COPPER (2.4050	2	2	2	2	2	2	2	2		2	2	2	4	4
4B	103321	LOCKWASHER, 3/8" (12.9200)									2					
4B	117049	NUT, 3/8"-24 HEX. (12.9120)													1	
		@ INCLUDES SPRING PIN IN 3.4350.														
		+ INCLUDES BUSHING 3.4355														
		3.4355 - BEARING, BLOWER DRIVE GEAR HUB SUPPORT														
	5120501	BUSHING	2	2	2	2	2	2	2	2		2	2	2	2	2
	5122530	BUSHING									2					
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT														
4B	5148810	GASKET (1.7646)	1	1	1	1	1	1	1	1	1	1		1	2	2

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 253	254	255	256	257	258	259	260	261	262	263	264	265	266
		3.4370 - COUPLING, BLOWER DRIVE														
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.														
4A	**5103377**	COUPLING ASSY.	1	1	1	1	1	1	1	1	1	1	1	1	2	2
4A	**186649**	BOLT, 5/16"-24X1 5/8" (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6	12	12
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6	12	12
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING														
4A	**5150345**	SUPPORT	1	1	1	1	1	1	1	1	1	1	1	1	2	2
		3.4390 - CAM, BLOWER DRIVE COUPLING														
4A	**5103365**	CAM	1	1	1	1	1	1	1	1	1	1	1	1	2	2
		3.4400 - SPRING, BLOWER DRIVE COUPLING														
4A	**5196314**	* SPRING PACK * NOT SERVICED, USE (42) 5123859 AND (2) 5123860.	1	1	1	1	1	1	1	1	1	1	1	1	2	2
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING														
4A	**5150346**	SEAT	4	4	4	4	4	4	4	4	4	4	4	4	8	8
		3.4420 - RETAINER, BLOWER DRIVE COUPLING														
4A	**5150349**	RETAINER	1	1	1	1	1	1	1	1	1	1	1	1	2	2

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 267	268	269	270	271	275	276	277	292	333	334	341
		3.4001 - BLOWER ASSY.												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.												
	5104786	+ BLOWER ASSY. (5103494 BASIC) (8-16V) (A1)						1	2					
	5103671	+ @ BLOWER ASSY. (5103494 BASIC) (16V-71) (A1)	2	2	2									
	5104787	+ BLOWER ASSY. (FRONT) (5103532 BASIC) (12V) (A1)								1				
	5194788	+ BLOWER ASSY. (REAR) (5103532 BASIC) (12V) (A1)								1				
	5103709	+ @ BLOWER ASSY. (5103495 BASIC) (8V-71) (A1)				1	1							
	5104793	+ BLOWER ASSY. (FRONT) (5103533 BASIC) (12V) (A1)									1			
	5104792	+ BLOWER ASSY. (REAR) (5103533 BASIC) (12V) (A1)									1			
	187491	BOLT, 3/8"-16 X 5 1/2" (12.9001)	12	12	12	6	6	6	12	8	8			
	9411488	BOLT, 7/16"-14 X 8 1/4" (12.9001)	4	4	4	2	2	2	4	4	4			
	5125608	WASHER, 15/32" X 3/4" X 1/8" (1.3112)									4			
	5121814	WASHER, 3/8" W. X .40" DIA.	12	12	12	6	6	6	12	8	8			
	5121905	WASHER, 15/32"I.D.X7/8"O.D.X15/32"L.	4	4	4	2	2	2	4	4				
		+ COMPLETE BLOWER ASSY. NOT SERVICED USE BASIC BLOWER ASSY. SHOWN IN PARENTHESES.												
		@ INCLUDE 5103377 TO ASSURE INTERCHANGEABILITY.												
		3.4003 - GASKET KIT, BLOWER INSTALLATION												
		INCLUDES ITEMS IN 2.2007, 3.4010, 3.4025, 3.4220, 3.4227 AND 3.4360 PLUS GASKET IN 2.7030 AND TWO COPPER WASHERS IN 3.4350.												
	5196385	+ GASKET KIT (8V, 16V)	AR	AR	AR			AR						
	5149643	GASKET KIT (8V) TURBO				AR	AR							
	5199670	+ GASKET KIT (8V, 16V)							AR					
	5149642	GASKET KIT (12V)								AR	AR			
		+ NOT SERVICED, USE 5149644 8V NATURALLY ASPIRATED AND FOR 16V USE 5149645 ALL.												
		3.4005 - BLOWER KIT, REPAIR												
		INCLUDES ITEMS IN 3.4040, 3.4060, 3.4090, LOCKWASHER IN 3.4110, 3.4158 3.4159, 3.4160, 3.4163, SEAL RING IN 3.4180 AND 3.4190.												
	5108120	BLOWER KIT (NON-TURBO) (6,8,12V-71)	AR	AR	AR			AR	AR	AR				
	5198164	BLOWER KIT (TURBO) (8V-71)				AR	AR				AR			
		3.4010 - GASKET, BLOWER												
4A	**5141588**	GASKET	2	2	2	1	1	1	2					
	5147469	GASKET								2	2			

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 267	268	269	270	271	275	276	277	292	333	334	341
		3.4025 - SCREEN, BLOWER												
3A	5103602	SCREEN	2	2	2	1	1	1	2					
3A	5103515	SCREEN								2	2			
		3.4103 - SPROCKET, BLOWER ROTOR GEAR DRIVE												
	5117090	SPROCKET								1	1			
	5103361	SPROCKET								1	1			
	5121182	PLUG, 1/4" PIPE (2.4015)								1	1			
	5103364	BOLT, 1/2"-20 X 1.10 (12 PT. HD.)								1	1			
	5125464	BOLT, 3/8"-24 X 1" (3.4105)								3	3			
		3.4107 - CHAIN, BLOWER ROTOR GEAR SPROCKET COUPLING												
	5117091	CHAIN, 1/4" W., 10.28" L. ENDLESS								1	1			

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 267	268	269	270	271	275	276	277	292	333	334	341
		3.4110 - DISC, BLOWER ROTOR FUEL PUMP COUPLING												
4C	**5154401**	DISC	2	2	2	1	1	1	2	1	1			
4A	**182776**	BOLT, 1/2"-20X1 1/4" (12.9001)	2	2	2	1	1	1	2	1	1			
4A	**5154398**	LOCKWASHER, 1/2" (3.4080)	2	2	2	1	1	1	2	1	1			
		3.4112 - SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC												
4A	**5117778**	* SPACER * USE WITH MECHANICAL GOVERNOR AND HYDRAULIC GOVERNOR WITH CLOSED LINKAGE.	2	2	2	1	1	1	2	1	1			
		3.4130 - HUB, BLOWER ROTOR GEAR												
4B	**5122914**	HUB	1	1	2	1	1	1	2	1	1	1	1	1
4B	**5123081**	HUB(WITH LUGS FOR ACCESSORY DRIVE)	1	1						1				
		3.4135 - PLATE, BLOWER ROTOR GEAR HUB												
4B	**8920764**	PLATE (SPRING)	4	4	4	2	2	2	4	4	2	2	2	2
4B	**8920760**	BOLT, 3/8"-24 X .812"	12	12	12	6	6	6	12	12	6	6	6	6
		3.4137 - SPACER, BLOWER ROTOR GEAR HUB												
	8920763	SPACER, .385" I.D. X 1" O.D. X .013 THK.	12	12	12	6	6	6	12	12	6			6
		3.4180 - COVER, BLOWER HOUSING END PLATE												
		REFER TO ASSEMBLY BREAKDOWN PAGE B1 FOR COMPONENTS OF COVER KITS.												
	5196763	COVER KIT									2	1		
	5123445	COVER								1				
	5104376	COVER									1			
	5104377	COVER									1			
4A	**5123449**	+ COVER	2	2	2	1	1	1	2					
	5144410	CONNECTOR ASSY. (12.9415)	2	2	2	1	1	1	2	1	1			
	5144409	ADAPTOR (4.1660)								1	1			
	5144424	SEAL RING, 1/4" TUBE (12.9435)	2	2	2	1	1	1	4	1	1			
4A	**186643**	BOLT, 5/16"-18X2 1/16" (12.9001)	24	24	24	12	12	12	24	32	32			
	5159714	WASHER	20	20	20	10	10	10	20	30	30			
	103320	LOCKWASHER, 5/16" (12.9200)	6	6	6	14	14	12	14	32	32			
		+ NOT SERVICED. USE 5196760 KIT (6V-71) OR 5196761 KIT (8V-71).												
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER												
4A	**5126499**	GASKET	2	2	2	1	1	1	2	3	3			

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 267	268	269	270	271	275	276	277	292	333	334	341
		3.4220 - SEAL, BLOWER DRIVE COVER												
	8922140	SEAL (4.32" I.D. X 4.88" O.D. X .77" WIDE)								2	2			
	5146040	SEAL	2	2	2	1	1	1	2					
	5117717	TUBE, 5/16"I.D.X4.20"L. (4.1660)	2	2	2	1	1	1	2					
	114629	CONNECTOR, BALL SLEEVE (5/16"TUBE)	2	2	2	1	1	1	2					

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 267	268	269	270	271	275	276	277	292	333	334	341
		3.4220 - SEAL, BLOWER DRIVE COVER (CONT'D)												
		(12.9410)												
	5123257	REINFORCEMENT, BLOWER DRIVE COVER	2	2	2	1	1	1	2					
	114631	SLEEVE, BALL (5/16" TUBE) (12.9430)	2	2	2	1	1	1	2					
	114630	NUT, BALL SLEEVE (5/16" TUBE) (12.9440)	2	2	2	1	1	1	2					
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING												
4A	**5106219**	CLAMP (12.9660)	4	4	4	2	2	2	2	2	2			
		3.4300 - GEAR, BLOWER DRIVE												
		A GEAR ASSY. INCLUDES BUSHING IN 3.4355.												
4B	**5122920**	GEAR ASSY. (L.H. HELIX) (40 TEETH)					1				1		1	1
4B	**5122918**	GEAR ASSY. (L.H. HELIX) (38 TEETH)	1			1		1	1	1		1		
4B	**5109601**	GEAR ASSY. (R.H. HELIX) (39 TEETH)			1									
4B	**5109602**	GEAR ASSY. (L.H. HELIX) (39 TEETH)			1									
4B	**5123091**	GEAR ASSY. (R.H. HELIX) (38 TEETH)	1	1						1				
		3.4302 - WASHER, BLOWER DRIVE GEAR THRUST												
4B	**5117700**	BEARING, THRUST	4	4	4	2	2	2	4	4	2	2	2	2
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST												
4B	**5117704**	WASHER	2	2	2	1	1	1	2	2	1	1	1	1
		3.4330 - NUT, BLOWER DRIVE GEAR HUB												
4B	**5117727**	NUT, 1 7/16"-16	2	2	2	1	1	1	2	2	1	1	1	1
		3.4340 - LOCKWASHER, BLOWER DRIVE GEAR												
4B	**5117720**	LOCKWASHER, 1 15/32"	2	2	2	1	1	1	2	2	1	1	1	1
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB												
		INCLUDES SPRING PIN AND DOWEL PINS IN 3.4350.												
4B	**8920681**	SUPPORT ASSY.	2	2	2		1	1	2			1	1	1
4B	**8920682**	SUPPORT ASSY				1				2	1			1
	274889	PIN, 1/8"X1/4" SPRING (12.9270)	2	2	2	1	1	1	2	2	1	1	1	1
	5106909	PIN, 3/16" X 1/4" DOWEL	4	4	4		2	2	4	4	2	2	2	

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 267	268	269	270	271	275	276	277	292	333	334	341
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB (CONT'D)												
4B	181361	BOLT, 3/8"-24X7/8" (12.9001)	2	2	4	2	1	1	2	4	2	1	1	1
4B	181365	BOLT, 3/8"-24X1 1/8" (12.9001)	2	2			1	1	2	4	2	1	1	1
4B	5152148	WASHER, 3/8" COPPER (2.4050)	4	4	4	2	2	2	4	4	2	2	2	2
		3.4355 - BEARING, BLOWER DRIVE GEAR HUB SUPPORT												
	5120501	BUSHING	4	4	4	2	2	2	4	4	2	2	2	2
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT												
4B	5148810	GASKET (1.7646)	2	2	2	1	1	1	2	3	1	1	1	1
		3.4370 - COUPLING, BLOWER DRIVE												
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.												
4A	5103377	COUPLING ASSY.	2	2	2	1	1	1	2	1	1			
4A	186649	BOLT, 5/16"-24X1 5/8" (12.9001)	12	12	12	6	6	6	12	6	6			
4A	103320	LOCKWASHER, 5/16" (12.9200)	12	12	12	6	6	6	12	6	6			
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING												
4A	5150345	SUPPORT	2	2	2	1	1	1	2	1	1			
		3.4390 - CAM, BLOWER DRIVE COUPLING												
4A	5103365	CAM	2	2	2	1	1	1	2	1	1			
		3.4400 - SPRING, BLOWER DRIVE COUPLING												
4A	5196314	* SPRING PACK * NOT SERVICED, USE (42) 5123859 AND (2) 5123860.	2	2	2	1	1	1	2	1	1			
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING												
4A	5150346	SEAT	8	8	8	4	4	4	8	4	4			

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 267	268	269	270	271	275	276	277	292	333	334	341
		3.4420 - RETAINER, BLOWER DRIVE COUPLING												
4A	**5150349**	RETAINER	2	2	2	1	1	1	2	1	1			

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 368	369	389	399	400	401	402	403	404	405	406
		3.4001 - BLOWER ASSY.											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.											
	5103712	+ BLOWER ASSY. (5103532 BASIC) (8V-71) (A1)	1										
	5103671	+ BLOWER ASSY. (5103494 BASIC) (8+16V-71) (A1)		1									
	5103714	+ BLOWER ASSY. (5103532 BASIC) (12V) (PAGE A1)			1								
	5103713	+ BLOWER ASSY. (5103532 BASIC) (12V) (PAGE A1)			1								
	8923799	+ BLOWER ASSY. (8923803 BASIC) (12V)				1	1						
	8923798	+ BLOWER ASSY. (8923803 BASIC) (12V)				1	1						
	8923801	+ BLOWER ASSY. (8923803 BASIC) (12V)						1	1				
	8923802	+ BLOWER ASSY. (8923803 BASIC) (12V)						1	1				
	8922639	+ BLOWER ASSY. (5101483 BASIC) (8V) (PAGE A1)								1			
	8922641	+ BLOWER ASSY. (5144787 BASIC) (8V) (PAGE A1)									1	1	
	8922642	+ BLOWER ASSY. (5144787 BASIC) (8V) (PAGE A1)											1
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	4	6	8	8	8	8	8	6	6	6	6
	9411488	BOLT, 7/16"-14X8 1/4" (12.9001)	2	2	4	4	4	4	4	4	4	4	4
	5147149	BOLT, 1/2"-20X1 1/2" (7.4435)								1	1	1	
	9409060	BOLT, 1/2"-20X1 1/2" (LOCK) (12.9001)								1	1	1	
	5101419	SEAL RING, .734"X.139"								2	2	2	2
	5121814	WASHER, 3/8" W.X.40" DIA. HOLE	4	6	8	8	8	8	8	6	6	6	6
	5125608	WASHER, 15/32"X3/4"X1/8" (1.3112)				4	4	4	4				
	5121905	WASHER, 15/32" I.D.X7/8" O.D.X15/32" L.	2	2	4					4	4	4	4
		+ COMPLETE BLOWER ASSY. IS NOT SERVICED. USE BASIC BLOWER ASSY. SHOWN IN PARENTHESES.											
		3.4003 - BLOWER KIT, INSTALLATION											
		INCLUDES ITEMS IN 2.2007, 3.4010, 3.4025, 3.4220, 3.4227 AND 3.4360 PLUS GASKET IN 2.7030 AND (2) COPPER WA SHERS IN 3.4350.											
	5196385	@ GASKET KIT (8V, 16V)		AR									
	5199670	* GASKET KIT (8V)	AR										
	5149642	GASKET KIT (12V)			AR	AR	AR	AR	AR				
	5149643	GASKET KIT (8V) (TURBO)								AR	AR	AR	AR
		@ NOT SERVICED. USE 5149644 FOR 8V NATURALLY ASPIRATED, 5149645 FOR ALL 16V'S, AND 5149643 FOR 8V T, OTM, T A AND TAE ENGINES.											
		* NOT SERVICED. USE 5149644 FOR 8V NATURALLY ASPIRATED, 5149645 FOR ALL 16V'S, AND 5149643 FOR 8V T, OTM, T A, TAE ENGINES.											

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 368	369	389	399	400	401	402	403	404	405	406
		3.4005 - BLOWER KIT, REPAIR											
	5108123	BLOWER KIT (LARGE BEARING) (TURBO) (8V-71)	AR							AR	AR	AR	AR
	5108120	BLOWER KIT (NON-TURBO) (6, 8 AND 12V-71)		AR	AR								
	5108121	BLOWER KIT (SMALL BEARING) (TURBO) (12V)				AR	AR	AR	AR				
		3.4010 - GASKET, BLOWER											
	5141588	GASKET		1						1	1	1	1
	5147469	GASKET	1		2	2	2	2	2				
		3.4025 - SCREEN, BLOWER											
	5103515	SCREEN AND GASKET ASSY.	1		2	2	2	2	2				
	5103602	SCREEN AND GASKET ASSY.		1									
	5102062	GASKET (LESS SCREEN)									1	1	1
		3.4103 - SPROCKET, BLOWER ROTOR GEAR DRIVE											
	5117090	SPROCKET			1	1	1	1	1				
	5103364	BOLT, 1/2"-20X1.10" L. (3.4080)			1	1	1	1	1				
		3.4105 - SPROCKET, BLOWER ROTOR GEAR DRIVEN											
	5103361	SPROCKET			1	1	1	1	1				
	5125464	BOLT, 3/8"-24X1"			3	3	3	3	3				
		3.4107 - CHAIN, BLOWER ROTOR GEAR SPROCKET COUPLING											
	5117091	CHAIN, 1/4" W., 10.28" L. ENDLESS			1	1	1	1	1				
		3.4110 - DISC, BLOWER ROTOR FUEL PUMP											
	5154401	DISC	1	1		1	1	1	1				
	NPN	DISC			1					1	1	1	1
	182776	BOLT, 1/2"-20X1 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1
	5154398	LOCKWASHER, 1/2" (3.4080)	1	1	1	1	1	1	1	1	1	1	1
		3.4112 - SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC											
	5117778	SPACER	1	1	1	1	1	1	1	1	1	1	1
		3.4130 - HUB, BLOWER ROTOR GEAR											
	5122914	HUB	1		1	1	1	1	1				
	5123081	HUB		1									
	8922518	HUB								1			
	8922519	HUB									1	1	1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 368	369	389	399	400	401	402	403	404	405	406
		3.4135 - PLATE, BLOWER ROTOR GEAR HUB											
	8920764	PLATE, SPRING	2	2	2	2	2	2	2	2	2	2	2
	8920760	BOLT, 3/8"-24X15/16"	6	6									
	8923571	BOLT, 3/8"-24X.925"			6	6	6	6	6	6	6	6	6
	103321	LOCKWASHER, 3/8" (12.9200)	6	6									
		3.4137 - SPACER, BLOWER ROTOR GEAR HUB											
	8920763	SPACER, .385"I.D.X1" O.D.X.013" THK.	6	6									
	5173364	SPACER								3	3	3	3
		3.4180 - COVER, BLOWER HOUSING END PLATE											
		REFER TO ASSEMBLY BREAKDOWN PAGE B1 FOR COMPONENTS OF COVER KITS.											
	5123449	# COVER	1										
	5196761	COVER		1									
	5196763	COVER KIT (REAR OF REAR BLOWER) (3.4182)			2	1	1	2	2				
	5104377	COVER				1	1						
	5104376	COVER				1	1						
	5123445	COVER			1			1	1				
	5146521	COVER (FOR TACH DRIVE)								1	1	1	1
	5148179	COVER (LESS TACH DRIVE)								1	1	1	
	5146490	FLANGE											
	5144410	@ CONNECTOR ASSY., 5/16" TUBE (12.9415)	1		1	1	1	1	1				
	5144409	ADAPTOR			1	1	1	1	1				
	5144424	SEAL RING, 1/4" TUBE (12.9435)	1	1	1	1	1	1	1				
	8923847	PLUG, 1/4" NPTF (4.7001)			1	1	1	1	1				
	186643	BOLT, 5/16"-18X2 1/16" (12.9001)	12	12	32	30	30	32	32				
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)							10	10	10	10	10
	5159714	WASHER, .328" I.D.X1/8" (2.7296)	10	10	30	30	30	30	30				
	103320	LOCKWASHER, 5/16" (12.9200)	12	12	32	30	30	32	32	10	10	10	10

NOT SERVICED. USE 5196760 FOR 6V OR 5196761 FOR 8V.

@ INCLUDES SEAL RING IN 3.4180. PLUG NUT NOT SOLD SEPARATELY.

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 368	369	389	399	400	401	402	403	404	405	406
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER											
	5126499	GASKET	1	1	3	2	2	2	2	2	2	2	2
		3.4192 - TUBE, BLOWER OIL SUPPLY											
	5117717	TUBE, 5/16"X4.20"L. (4.1660)								1	1	1	1
	5147161	= CONNECTOR ASSY., 5/16" SEALASTIC (12.9415)								1	1	1	1
	114629	CONNECTOR, 5/16" TUBE (12.9410)								1	1	1	1
	5144424	SEAL RING, 1/4" TUBE (12.9435)								1	1	1	1
	114631	SLEEVE, 5/16" TUBE (12.9430)								1	1	1	1
	114630	NUT, 5/16" TUBE (12.9440)								1	1	1	1
		= INCLUDES SEAL RING IN 3.4192 PLUS NUT, NOT SERVICED SEPARATELY.											
		3.4220 - SEAL, BLOWER DRIVE COVER											
	8922140	SEAL, 4.32"X4.88"X.77"	1		2	2	2	2	2	1	1	1	1
	5146040	SEAL, 4.32" I.D.X2.86" W.		1						1	1	1	1
	5144409	ADAPTOR (4.1660)	1										
	5123257	REINFORCEMENT, BLOWER DRIVE COVER		1									
	114629	CONNECTOR, 5/16" TUBE (12.9410)		1									
	114631	SLEEVE, 5/16" TUBE (12.9430)		1									
	114630	NUT, 5/16" TUBE (12.9440)		1									
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING											
	5106219	CLAMP	1	2	2	2	2	2	2	1	1	1	1
		3.4300 - GEAR, BLOWER DRIVE											
		A GEAR ASSY. INCLUDES BUSHING IN 3.4355.											
	5122918	GEAR ASSY. (L.H. HELIX) (38 TEETH)	1	1									
	5122920	GEAR ASSY. (L.H. HELIX) (40 TEETH)			1	1	1	1	1	1	1	1	1
		3.4302 - WASHER, BLOWER DRIVE GEAR THRUST											
	5117700	BEARING, THRUST	2	2	2	2	2	2	2	2	2	2	2
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST											
	5117704	WASHER	1	1	1	1	1	1	1	1	1	1	1
		3.4330 - NUT, BLOWER DRIVE GEAR HUB											
	5117727	NUT, 1 7/16"-16	1	1	1	1	1	1	1	1	1	1	1
		3.4340 - LOCKWASHER, BLOWER DRIVE GEAR											
	5117720	LOCKWASHER, 1 15/32"	1	1	1	1	1	1	1	1	1	1	1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 368	369	389	399	400	401	402	403	404	405	406
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB											
	8920681	@ SUPPORT ASSY.	1	1	1								
	8922771	SUPPORT ASSY.				1			1				
	8920682	SUPPORT ASSY.					1	1					
	8922770	SUPPORT ASSY.								1	1	1	1
	274889	PIN, 1/8"X1/4" SPRING (12.9270)	1	1	1	1	1	1	1	1	1	1	1
	5106909	PIN, .186"X.173"X.25" DOWEL (12.9290)	2	2	2	2	2	2	2	2	2	2	2
	181361	BOLT, 3/8"-24X7/8" (12.9001)	1	1	1	2	2	2	2	1	1	1	1
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)	1	1	1					1	1	1	1
	5152148	WASHER, 3/8" COPPER (2.4050)	2	2	2	2	2	2	2	2	2	2	2
		@ INCLUDES SPRING PIN AND DOWEL PINS IN 3.4350.											
		3.4355 - BEARING, BLOWER DRIVE GEAR HUB SUPPORT											
	5120501	BUSHING	1	1									
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT											
	5148810	GASKET (1.7646)	1	1	1	1	1	1	1	1	1	1	1
		3.4370 - COUPLING, BLOWER DRIVE											
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.											
	5103377	COUPLING ASSY.	1	1	1	1	1	1	1				
	8922517	COUPLING								1	1	1	1
	8920765	PLATE, FLEX								2	2	2	2
	186649	BOLT, 5/16"-24X1 5/8" (12.9001)	6	6	6	6	6	6	6				
	NPN	BOLT, 5/16"-24X3/4"								3	3	3	3
	NPN	BOLT, 5/16"-24X1"								3	3	3	3
	103320	LOCKWASHER, 5/16" (12.9200)	6	6	6	6	6	6	6				
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING											
	5150345	SUPPORT	1	1	1	1	1	1	1				
		3.4390 - CAM, BLOWER DRIVE COUPLING											
	5103365	CAM	1	1	1	1	1	1	1				
		3.4400 - SPRING, BLOWER DRIVE COUPLING											
	5123859	SPRING	42	42	42	42	42	42	42				
	5123860	SEAT	2	2	2	2	2	2	2				
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING											
	5150346	SEAT	4	4	4	4	4	4	4				

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 368	369	389	399	400	401	402	403	404	405	406
		3.4420 - RETAINER, BLOWER DRIVE COUPLING											
	5150349	RETAINER	1	1	1	1	1	1	1				

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 407	408	409	410	411	412	413	414	415	416	417	418	419	420
		3.4001 - BLOWER ASSY.														
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.														
	8922642	+ BLOWER ASSY. (5144787 BASIC) (8V AND 16V) (PAGE A1)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4A	**187491**	BOLT, 3/8"-16X5 1/2" (12.9001)	6	12	12	12	6	6	6	6	6	12	12	12	12	12
4A	**9411488**	BOLT, 7/16"-14X8 1/4" (12.9001)	4	8	8	8	4	4	4	4	4	8	8	8	8	8
4A	**9409060**	BOLT, 1/2"-20X1 1/2" (12.9001)					1				1					
	5147149	BOLT, 1/2"-20X1 1/2" TACH. DRIVE (7.4435)					1				1					
	5101419	RING, SEAL ROUND .734"X.139"	2				2	2	2	2	2					
4A	**5121905**	WASHER, 7/8"X5/32"	4	8	8	8	4	4	4	4	4	8	8	8	8	8
4A	**5121814**	WASHER, .40" I.D.X.25"W. (SPECIAL)	6	12	12	12	6	6	6	6	6	12	12	12	12	12
		+ COMPLETE BLOWER ASSEMBLY IS NOT SERVICED, USE BASIC BLOWER ASSEMBLY SHOWN IN PARENTHESES.														
		3.4003 - BLOWER KIT, INSTALLATION														
		INCLUDES ITEMS IN 2.2007, 3.4010, 3.4025, 3.4220, 3.4227 AND 3.4360 PLUS GASKET IN 2.7030 AND (2) COPPER WA SHERS IN 3.4350.														
	5149643	GASKET KIT (8V) (T, OTM, TA & TAE)	AR				AR	AR	AR	AR	AR					
	5149645	GASKET KIT (16V) (TURBO & NON-TURBO)		AR	AR	AR						AR	AR	AR	AR	AR
		3.4005 - BLOWER KIT, REPAIR														
		INCLUDES ITEMS IN 3.4040, 3.4060, 3.4090 LOCKWASHER IN 3.4110, 3.4158, 3.4159, 3.4160, 3.4163 SEAL RING IN 3.4180 AND 3.4190.														
	5108123	BLOWER KIT (LARGE BEARING) (TURBO)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		3.4010 - GASKET, BLOWER														
4A	**5141588**	GASKET	1	2	2	2	1	1	1	1	1	2	2	2	2	2
		3.4025 - SCREEN, BLOWER														
	5102062	GASKET (LESS SCREEN)	1	2	2	2	1	1	1	1	1	2	2	2	2	2
3A	**5103602**	GASKET (WITH SCREEN)		2	2	2		1				2	2	2	2	2
		3.4110 - DISC, BLOWER ROTOR FUEL PUMP														
4A	**8924426**	DISC	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4A	**182776**	BOLT, 1/2"-20X1 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4A	**5154398**	LOCKWASHER, 1/2" (3.4080)	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 407	408	409	410	411	412	413	414	415	416	417	418	419	420
		3.4112 - SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC														
4A	**8925674**	SPACER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		3.4130 - HUB, BLOWER ROTOR GEAR														
4B	**8922518**	HUB	1	1	1	2	1	1		1	1		1		2	1
4B	**8922519**	HUB (WITH LUGS FOR ACCESSORY DRIVE)		1	1				1			1				1
4B	**5122914**	HUB										2		2		
		3.4135 - PLATE, BLOWER ROTOR GEAR HUB														
4B	**8920764**	PLATE (SPRING)	2	4	4	4	2	2	2	2	2	4	4	4	4	4
4B	**8923571**	BOLT, 3/8"-24X.925"	6	12	12	12	6	6	6	6	6	12	12	12	12	12
		3.4137 - SPACER, BLOWER ROTOR GEAR HUB														
	5173364	SPACER	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		3.4180 - COVER, BLOWER HOUSING END PLATE														
4A	**5146521**	COVER (W/TACH. DRIVE HOLE)					1				1					
4A	**5148179**	COVER (LESS TACH. DRIVE HOLE)	1	1	1	1		1	1	1		1	1	1	1	1
	5146490	FLANGE					1				1					
4A	**179828**	BOLT, 5/16"-18X2 1/2" (12.9001)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER														
4A	**5126499**	GASKET	2	4	4	4	2	2	2	2	2	4	4	4	4	4
		3.4192 - TUBE, BLOWER OIL SUPPLY														
	5117717	TUBE, 5/16"X4.20"L. (4.1660)	1	2	2	2	1	1	1	1	1	2	2	2	2	2
	8924203	= CONNECTOR ASSY., 5/16" O.D. TUBE (12.9415)	1	2	2	2	1	1	1	1	1	2	2	2	2	2
	8924143	CONNECTOR, 5/16"X1/8"-27 NPTF (12.9410)	1	2	2	2	1	1	1	1	1	2	2	2	2	2
	114631	SLEEVE, BALL TUBE 5/16" (12.9430)	1	2	2	2	1	1	1	1	1	2	2	2	2	2
	5144424	RING, SEAL, 1/4" TUBE (12.9435)	1	2	2	2	1	1	1	1	1	2	2	2	2	2
	114630	NUT, BALL SLEEVE TUBE 5/16" (12.9440)	1	2	2	2	1	1	1	1	1	2	2	2	2	2
		= INCLUDES SEAL RING IN 3.4192.														
		3.4220 - SEAL, BLOWER DRIVE COVER														
4A	**8922140**	RING, SEAL 4.32" I.D.X4.88" O.D.X.74"W	1	2	2	2	1	1	1	1	1	2	2	2	2	2
4A	**5146040**	RING, SEAL 4.32" I.D.X5.091"O.D.X2.86"W.	1	2	2	2	1	1	1	1	1	2	2	2		

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 407	408	409	410	411	412	413	414	415	416	417	418	419	420
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING														
4A	**5106219**	CLAMP, 4.87"I.D. (T-BOLT) (12.9660)	1	2	2	2	1	1	1	1	1	2	2	2	2	2
		3.4300 - GEAR, BLOWER DRIVE														
		A GEAR ASSEMBLY INCLUDES BUSHING IN 3.4355.														
4B	**5122920**	GEAR ASSY. (L.H. HELIX) (40 TEETH)	1	1	1	1	1	1	1		1				1	1
4B	**5122919**	GEAR ASSY. (R.H. HELIX) (40 TEETH)		1	1	1									1	1
4B	**5109602**	GEAR ASSY. (L.H. HELIX) (39 TEETH)								1		1	1	2		
4B	**5109601**	GEAR ASSY. (R.H. HELIX) (39 TEETH)										1	1			
		3.4302 - WASHER, BLOWER DRIVE GEAR THRUST														
4B	**5117700**	BEARING, THRUST	2	4	4	4	2	2	2	2	2	4	4	4	4	4
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST														
4B	**8926293**	WASHER	1	2	2	2	1	1	1	1	1	2	2	2	2	2
		3.4330 - NUT, BLOWER DRIVE GEAR HUB														
4B	**5117727**	NUT, 1 7/16"-16	1	2	2	2	1	1	1	1	1	2	2	2	2	2
		3.4340 - LOCKWASHER, BLOWER DRIVE GEAR														
4B	**8926285**	LOCKWASHER, 1 15/32" I.D.	1	2	2	2	1	1	1	1	1	2	2	2	2	2
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB														
4B	**8922770**	SUPPORT ASSY.	1		1	1	1	1	1	1	1	1	2	1	1	2
4B	**8922771**	SUPPORT ASSY.		2	1	1									1	
	274889	PIN, 1/8"X1/4" SPRING (12.9270)	1	2	2	2	1	1	1	1	1	2	2	2	2	2
	5106909	PIN, 3/16"X1/4" DOWEL	2	4	4	4	2	2	2	2	2	4	4	4	4	4
4B	**8925438**	BOLT, 3/8"-24X7/8" (12.9001)	1	4	3	3	1	1	1	1	1	4	4	4	4	2
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)	1		1	1	1	1	1	1	1					2
	186317	BOLT, 3/8"-24X5" (12.9001)			1	1									1	
4B	**5152148**	WASHER, 3/8"X9/16" COPPER (2.4050)	2	4	4	4	2	2	2	2	2	4	4	4	4	4
	103026	NUT, 3/8"-24 (12.9120)			1	1									1	

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 407	408	409	410	411	412	413	414	415	416	417	418	419	420
		3.4355 - BEARING, BLOWER DRIVE GEAR HUB SUPPORT														
	5120501	BUSHING	2	4	4	4	2	2	2	2	2	4	4	4	4	4
		3.4360 - GASKET, BLOWER DRIVE GEAR														
4B	**5148810**	GASKET (1.7646)	1	2	2	2	1	1	1	1	1	2	2	2	2	2
		3.4370 - COUPLING, BLOWER DRIVE														
4A	**8922517**	COUPLING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4A	**8920765**	PLATE	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4A	**8923569**	BOLT, 5/16"-.24X3/4" (3.4135)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4A	**8923570**	BOLT, 5/16"-24X1" (3.4135)	3	3	3	3	3	3	3	3	3	3	3	3	3	3

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4266	4439	4422	4444	4446	4447	4450	4451	4452	4453	4455	4459
		3.4001 - BLOWER ASSEMBLY												
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED IN PARENTHESES.												
	8923375	+ BLOWER ASSY., COMPLETE (8923371 BASIC) 8V (PAGE A1)	1											
	8922640	+ BLOWER ASSY., COMPLETE (5104937 BASIC) 8V (PAGE A1)		1										
	5103714	+ BLOWER ASSY., COMPLETE (5103532 BASIC) REAR 12V (PAGE A1)			1									
	5103713	+ BLOWER ASSY., COMPLETE (5103532 BASIC) FRONT 12V (PAGE A1)			1									
	5103711	+ BLOWER ASSY., COMPLETE (5103533 BASIC) REAR 12V (PAGE A1)				1				1	1			1
	5103710	+ BLOWER ASSY., COMPLETE (5103533 BASIC) FRONT 12V (PAGE A1)				1				1	1			1
	8922642	+ BLOWER ASSY., COMPLETE (5144787 BASIC) 16V (PAGE A1)					2							
	5103671	+ BLOWER ASSY., COMPLETE (5103494 BASIC) 16V (PAGE A1)						2					2	
	5103709	+ BLOWER ASSY., COMPLETE (5103495 BASIC) 8V (PAGE A1)							1					
	5103708	+ BLOWER ASSY., COMPLETE (5103533 BASIC) 6V (PAGE A1)										1		
	5101419	RING, SEAL ROUND .734"X.139"		1										
	272391	BOLT, 5/16"-18X2 1/8" (12.9001)			2	2		4	2	2	2	2	4	2
4A	**187491**	BOLT, 3/8"-16X5 1/2" (12.9001)	6	6	8	8	12	12	6	8	8	4	12	8
4A	**9441614**	BOLT, 7/16"-14X8 1/2" (12.9001)	4	4	4	4	8	4	2	4	4	2	4	4
	5147149	BOLT, 1/2"-20X1.50" TACH. DRIVE (7.4435)		1										
	103320	LOCKWASHER, 5/16" (12.9200)			2	2		4	2	2	2	2	4	2
4A	**5121814**	WASHER, .40"I.D.X.25"W. (SPECIAL)	6	6	8	8	12	12	6	8	8	4	12	8
4A	**5125608**	WASHER, 15/32"X3/4"X1/8" (1.3112)				4				4	4			4
4A	**5121905**	WASHER, 7/8"X5/32"	4	4	4		8	4	2			2	4	
		+ COMPLETE BLOWER ASSEMBLY IS NOT SERVICED, USE BASIC BLOWER ASSEMBLY SHOWN IN PARENTHESES.												
		3.4003 - BLOWER KIT, INSTALLATION												
		INCLUDES ITEMS IN 2.2007, 3.4010, 3.4025, 3.4220, 3.4227 AND 3.4360 PLUS GASKET IN 2.7030 AND (2) COPPER WA SHERS IN 3.4350.												
	5149641	GASKET KIT 6V (T OTM & TA)										AR		
	5149643	GASKET KIT 8V (T, OTM, TA & TAE)	AR	AR					AR					
	5149642	GASKET KIT 12V (TURBO & NON-TURBO)			AR	AR				AR	AR			AR
	5149645	GASKET KIT 16V (TURBO & NON-TURBO)					AR	AR					AR	
		3.4005 - BLOWER KIT, REPAIR												
		INCLUDES ITEMS IN 3.4040, 3.4060, 3.4090 LOCKWASHER IN 3.4110, 3.4158, 3.4159, 3.4160, 3.4163 SEAL RING IN 3.4180 AND 3.4190.												
	5108120	BLOWER KIT (SMALL BEARING) (NON-TURBO)			AR			AR					AR	
	5108121	BLOWER KIT (SMALL BEARING) (TURBO)				AR			AR	AR	AR	AR		AR
	5108123	BLOWER KIT (LARGE BEARING) (TURBO)	AR	AR			AR							

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 426	439	442	444	446	447	450	451	452	453	455	459
		3.4010 - GASKET, BLOWER												
4A	**5141588**	GASKET	1	1			2	2	1				2	
4A	**5147469**	GASKET			2	2				2	2	1		2
		3.4025 - SCREEN, BLOWER												
	5102062	GASKET (LESS SCREEN)	1				2							
3A	**5103515**	GASKET (WITH SCREEN)			2	2				2	2	1		2
3A	**5103602**	GASKET (WITH SCREEN)						2	1				2	
		3.4103 - SPROCKET, BLOWER ROTOR GEAR DRIVE												
4C	**5117090**	SPROCKET			1	1				1	1			1
4C	**5103364**	BOLT, 1/2"-20X1.10" (3.4080)			1	1				1	1			1
		3.4105 - SPRICKET, BLOWER ROTOR GEAR DRIVEN												
4C	**5103361**	SPRICKET			1	1				1	1			1
4C	**5125464**	BOLT, 3/8"-24X1"			3	3				3	3			3
		3.4107 - CHAIN, BLOWER ROTOR GEAR SPROCKET COUPLING												
4C	**5117091**	CHAIN, 1 1/4" W. ENDLESS			1	1				1	1			1
		3.4110 - DISC, BLOWER ROTOR FUEL PUMP												
4A	**8924426**	DISC	1	1	1	1	2	2	1	1	1	1	2	1
4A	**182776**	BOLT, 1/2"-20X1 1/4" (12.9001)	1	1	1	1	2	2	1	1	1	1	2	1
4A	**5154398**	LOCKWASHER, 1/2" (3.4080)	1	1	1	1	2	2	1	1	1	1	2	1
		3.4112 - SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC												
4A	**8925674**	SPACER	1	1	1	1	2	2	1	1	1	1	2	1
		3.4130 - HUB, BLOWER ROTOR GEAR												
4B	**8922519**	HUB (WITH LUGS FOR ACCESSORY DRIVE)	1	1										
4B	**5122914**	HUB			1	1		1		1			2	
4B	**8922518**	HUB					2							
4B	**5123081**	HUB (WITH LUGS FOR ACCESSORY DRIVE)						1	1		1	1		1
		3.4135 - PLATE, BLOWER ROTOR GEAR HUB												
4B	**8920764**	PLATE (SPRING)	2	2	2	2	4	4	2	2	2	2	4	2
4B	**8923571**	BOLT, 3/8"-24X.925"	6	6	6	6	12	12	6	6	6	6	12	6
		3.4137 - SPACER, BLOWER ROTOR GEAR HUB												
	5173364	SPACER					6							

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 426	439	442	444	446	447	450	451	452	453	455	459
		3.4180 - COVER, BLOWER HOUSING END PLATE												
		REFER TO ASSEMBLY BREAKDOWN PAGE B1 FOR COMPONENT PARTS OF COVER KITS.												
4A	**5148179**	COVER (LESS TACH. DRIVE HOLE)	1				2							
4A	**5146521**	COVER (W/TACH. DRIVE HOLE)		1										
	5196763	COVER KIT, 12V (3.4182)			2	2				2	2			2
4A	**5123445**	COVER			1	1				1	1			1
	5196761	COVER KIT, 8 & 16V (3.4182)						2	1				2	
	5196760	COVER KIT, 6V (3.4182)										1		
	5146490	FLANGE		1										
	8923847	PLUG, 1/4" NPTF (4.7001)			1	1				1	1			1
4A	**272391**	BOLT, 5/16"-18X2 1/8" (12.9001)			30	30		20	10	30	30	10	20	30
4A	**179828**	BOLT, 5/16"-18X2 1/2" (12.9001)	10	10			20							
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	10	10	30	30	20	20	10	30	30	10	10	30
	5159714	WASHER, 11/16"X1/8" (2.7290)			30	30		30		30	30	10	20	30
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER												
4A	**5126499**	GASKET	1	1	3	3	2	2	1	3	3	1	2	3
		3.4192 - TUBE, BLOWER OIL SUPPLY												
	5117717	TUBE, 5/16"X4.20"L. (4.1660)	1	1			2	2	1				2	
	8924203	= CONNECTOR ASSY., 5/16" O.D. TUBE (12.9415)	1	1			2							
	8924202	= CONNECTOR ASSY., 5/16" O.D. TUBE (12.9415)			1	1		2	1	1	1	1	2	1
	8924143	CONNECTOR, 5/16"X1/8"-27 NPTF (12.9410)	1	1			2	2	1				2	
	8925045	ADAPTOR (OIL SUPPLY TUBE) (4.1660)			1	1				1	1	1		1
	114631	SLEEVE, BALL TUBE 5/16" (12.9430)	1	1			2	2	1				2	
	5144424	RING, SEAL 1/4" TUBE (12.9435)	1	1	1	1	2	2	1	1	1	1	2	1
	114630	NUT, BALL SLEEVE TUBE 5/16" (12.9440)	1	1			2	2	1				2	
		= INCLUDES SEAL RING IN 3.4192.												
		3.4220 - SEAL, BLOWER DRIVE COVER												
4A	**8922140**	RING, SEAL 4.32" I.D.X4.88"O.D.X.74"W.	1	1	2	2	2			2	2	1		2
4A	**5146040**	RING, SEAL 4.32"I.D.X5.091"O.D.X2.86"W.						2	1				2	
	5123257	REINFORCEMENT, BLOWER DRIVE COVER HOSE						2	1				2	
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING												
4A	**5106219**	CLAMP, 4.87"I.D. (T-BOLT) (12.9660)	1	1	2	2	2	4	2	2	2	1	4	2
		3.4300 - GEAR, BLOWER DRIVE												
		A GEAR ASSEMBLY INCLUDES BUSHING IN 3.4355.												
4B	**5122920**	GEAR ASSY. (L.H. HELIX) (40 TEETH)	1	1		1			1		1	1		1
4B	**5122918**	GEAR ASSY. (L.H. HELIX) (38 TEETH)			1			1					1	
4B	**5109601**	GEAR ASSY. (R.H. HELIX) (39 TEETH)					1							

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4266	4399	4422	4444	4466	4477	4500	4511	4522	4533	4555	4599
		3.4300 - GEAR, BLOWER DRIVE (CONT'D)												
4B	**5109602**	GEAR ASSY. (L.H. HELIX) (39 TEETH)					1			1				
4B	**5123091**	GEAR ASSY. (R.H. HELIX) (38 TEETH) (1.7630)						1					1	
		3.4302 - WASHER, BLOWER DRIVE GEAR THRUST												
4B	**5117700**	BEARING, THRUST	2	2	2	2	4	4	2	2	2	2	4	2
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST												
4B	**8926293**	WASHER	1	1	1	1	2	2	1	1	1	1	2	1
		3.4330 - NUT, BLOWER DRIVE GEAR HUB												
4B	**5117727**	NUT, 1 7/16"-16	1	1	1	1	2	2	1	1	1	1	2	1
		3.4340 - LOCKWASHER, BLOWER DRIVE GEAR												
4B	**8926285**	LOCKWASHER, 1 15/32" I.D.	1	1	1	1	2	2	1	1	1	1	2	1
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB												
		SUPPORT ASSY. INCLUDES SPRING PIN AND DOWEL PINS IN 3.4350.												
4B	**8922770**	SUPPORT ASSY.	1	1		1	2		1	1	1	1	1	1
4B	**8922771**	SUPPORT ASSY.			1			2					1	
4B	**8925438**	BOLT, 3/8"-24X7/8" (12.9001)	2	2	2	2	4	4	2	2	2	2	4	2
4B	**186317**	BOLT, 3/8"-24X5" (12.9001)											1	
	274889	PIN, 1/8"X1/4" SPRING (12.9270)	1	1	1	1	2	2	1	1	1	1	2	1
	5106909	PIN, 3/16"X1/4" DOWEL	2	2	2	2	4	4	2	2	2	2	4	2
4B	**5152148**	WASHER, 3/8"X9/16" COPPER (2.4050)	2	2	2	2	4	4	2	2	2	2	4	2
	103026	NUT, 3/8"-24 (12.9120)											1	
		3.4355 - BEARING, BLOWER DRIVE GEAR HUB SUPPORT												
	5120501	BUSHING	4	4	2	4	4	4	2	2	2	2	4	2
		3.4360 - GASKET, BLOWER DRIVE GEAR												
4B	**5148810**	GASKET (1.7646)	1	1	1	1	2	2	1	1	1	1	2	
		3.4370 - COUPLING, BLOWER DRIVE												
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.												
4A	**8922517**	COUPLING	1	1			2							
	5103377	COUPLING ASSY.			1	1		2	1	1	1	1	2	1
4A	**8920765**	PLATE	2	2			4							
4A	**5173364**	SPACER, .317" I.D.X.625" O.D.X.421"W. (3.4137)	3	3										
4A	**8923569**	BOLT, 5/16"-24X.75" (3.4135)	3	3			6							

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4266	4396	4442	4444	4466	4467	4500	4511	4522	4533	4555	4559
		3.4370 - COUPLING, BLOWER DRIVE (CONT'D)												
4A	**8923570**	BOLT, 5/16"-24X1" (3.4135)	3	3			6							
4A	**186649**	BOLT, 5/16"-24X1 5/8" (12.9001)			6	6		12	6	6	6	6	6	6
4A	**103320**	LOCKWASHER, 5/16" (12.9200)			6	6		12	6	6	6	6	6	6
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING												
4A	**5150345**	SUPPORT			1	1		2	1	1	1	1	2	1
		3.4390 - CAM, BLOWER DRIVE COUPLING												
4A	**5103365**	CAM			1	1		2	1	1	1	1	2	1
		3.4400 - SPRING, BLOWER DRIVE COUPLING												
4A	**5123859**	SPRING, 1"W.X.015"THK.X2.31"L.			42	42		84	42	42	42	42	84	42
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING												
4A	**5150346**	SEAT			4	4		8	4	4	4	4	8	4
4A	**5123860**	SEAT				2		4	2	2	2	2	4	2
		3.4420 - RETAINER, BLOWER DRIVE COUPLING												
4A	**5150349**	RETAINER			1	1		2	1	1	1	1	2	1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4608	4611	4622	4633	4669	4885	4888	5007	5113	5114	5115	5118	5223
		3.4001 - BLOWER ASSEMBLY													
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED IN PARENTHESES.													
	8922640	+ BLOWER ASSY., COMPLETE (5104937 BASIC) 8V (PAGE A1)							1						
	5103714	+ BLOWER ASSY., COMPLETE (5103532 BASIC) REAR 12V (PAGE A1)	1												
	5103713	+ BLOWER ASSY., COMPLETE (5103532 BASIC) FRONT 12V (PAGE A1)	1												
	5103671	+ BLOWER ASSY., COMPLETE (5103494 BASIC) 16V (PAGE A1)			2										
	5103709	+ BLOWER ASSY., COMPLETE (5103495 BASIC) 8V (PAGE A1)				1									
	5103708	BLOWER ASSY., COMPLETE (5103533 BASIC) 6V (PAGE A1)		1			1								
	8926616	BLOWER ASSY., BASIC (BYPASS) (8 & 16V) (PAGE C1)						2							
	8926615	BLOWER ASSY., BASIC (BYPASS) (6 & 12V) (PAGE C1)								2			2		2
	8926408	BLOWER ASSY., BASIC (BYPASS) (8V) (PAGE C1)									1				
	8926407	BLOWER ASSY., BASIC (BYPASS) (6V) (PAGE C1)												1	
	8925154	+ BLOWER ASSY., COMPLETE (6V) (8925153 BASIC) (PAGE A1)										1			
	5101419	RING, SEAL ROUND .734"X.139"							2		2			2	
	272391	BOLT, 5/16"-18X2 1/8" (12.9001)	2	2	4	2	2								
4A	**187491**	BOLT, 3/8"-16X5 1/2" (12.9001)	8	4	12	6	4	12	6	8	6	4	8	4	8
4A	**9411488**	BOLT, 7/16"-14X8 1/4" (12.9001)						8		8	4		8	4	8
4A	**9441614**	BOLT, 7/16"-14X8 1/2" (12.9001)	4	2	4	2	2		4			4			
	5147149	BOLT, 1/2"-20X1.50" TACH. DRIVE (7.4435)							1						
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	4	2	2								
4A	**5121814**	WASHER, .40" I.D.X.25"W. (SPECIAL)	8	4	12	6	4	12	6	8	6	4	8	4	8
4A	**5121905**	WASHER, 7/8"X5/32"	4	2	4	2	2	8	4	8	4	4	8	4	8
		+ COMPLETE BLOWER ASSEMBLY IS NOT SERVICED. USE BASIC BLOWER ASSEMBLY SHOWN IN PARENTHESES.													
		3.4003 - BLOWER KIT, INSTALLATION													
		INCLUDES ITEMS IN 2.2007, 3.4010, 3.4025, 3.4220, 3.4227 AND 3.4360 PLUS GASKET IN 2.7030 AND (2) COPPER WA SHERS IN 3.4350.													
	5149641	GASKET KIT 6V (T, OTM & TA)		AR			AR					AR		AR	
	5149643	GASKET KIT 8V (T, OTM, TA & TAE)				AR			AR		AR				
	5149642	GASKET KIT 12V (TURBO & NON-TURBO)	AR							AR			AR		AR
	5149645	GASKET KIT 16V (TURBO & NON-TURBO)			AR			AR							
		3.4005 - BLOWER KIT, REPAIR													
		INCLUDES ITEMS IN 3.4040, 3.4060, 3.4090 LOCKWASHER IN 3.4110, 3.4158, 3.4159, 3.4160, 3.4163 SEAL RING IN 3.4180 AND 3.4190.													
	5108120	BLOWER KIT (SMALL BEARING) (NON-TURBO)	AR		AR										

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 460	461	462	463	469	485	488	507	513	514	515	518	523
		3.4005 - BLOWER KIT, REPAIR (CONT'D)													
	5108123	BLOWER KIT (LARGE BEARING) (TURBO)						AR	AR	AR	AR	AR	AR	AR	AR
	5108121	BLOWER KIT (SMALL BEARING) (TURBO)		AR		AR	AR								
		3.4010 - GASKET, BLOWER													
4A	**5141588**	GASKET			2	1		2	1		1				
4A	**5147469**	GASKET	2	1			1			2		1	2	1	2
		3.4025 - SCREEN, BLOWER													
3A	**5103515**	GASKET (WITH SCREEN)	2	1			1			2			2		2
3A	**5103602**	GASKET (WITH SCREEN)			2	1									
		3.4103 - SPROCKET, BLOWER ROTOR GEAR DRIVE													
4C	**5117090**	SPROCKET	1												
4C	**8927095**	SPROCKET								1			1		1
4C	**5103364**	BOLT, 1/2"-20X1.10" (3.4080)	1							1			1		1
		3.4105 - SPROCKET, BLOWER ROTOR GEAR DRIVEN													
4C	**5103361**	SPROCKET	1												
4C	**8927099**	SPROCKET								1			1		1
4C	**5125464**	BOLT, 3/8"-24X1"	3							3			3		3
		3.4107 - CHAIN, BLOWER ROTOR GEAR SPROCKET COUPLING													
4C	**5117091**	CHAIN, 1 1/4" W. ENDLESS	1							1			1		1
		3.4110 - DISC, BLOWER ROTOR FUEL PUMP													
4A	**8924426**	DISC	1	1	2	1	1	2	1	1	1	1	1	1	1
4A	**182776**	BOLT, 1/2"-20X1 1/4" (12.9001)	1	1	2	1	1	2	1	1	1	1	1	1	1
4A	**5154398**	LOCKWASHER, 1/2" (3.4080)	1	1	2	1	1	2	1	1	1	1	1	1	1
		3.4112 - SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC													
4A	**8925674**	SPACER	1	1	2	1	1	2	1	1	1	1	1	1	2
		3.4130 - HUB, BLOWER ROTOR GEAR													
4B	**8922519**	HUB (WITH LUGS FOR ACCESSORY DRIVE)						1		1	1	1		1	
4B	**5122914**	HUB	1	1	2	1	1								
4B	**8922518**	HUB						1	1				1		1
4B	**8927096**	HUB								1			1		1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 460	461	462	463	469	485	488	507	513	514	515	518	523
		3.4135 - PLATE, BLOWER ROTOR GEAR HUB													
4B	**8920764**	PLATE (SPRING)	2	2	4	2	2	4	2	2	2	2	2	2	6
4B	**8923571**	BOLT, 3/8"-24X.925"	6	6	12	6	6	12	6	6	6	6	6	6	6
		3.4137 - SPACER, BLOWER ROTOR GEAR HUB													
	5173364	SPACER						6			3			3	
	8927097	SPACER								3			3		3
		3.4144 - VALVE ASSY., BLOWER BYPASS													
4D	**8927187**	VALVE ASSY., RELIEF						2		2	1		2	1	2
4D	**8924436**	HOSE, 1/4"X5.38"L.						2		1	1		1	1	2
4D	**8927116**	HOSE, 1/4"X12"L.								1			1		
4D	**8924802**	ELBOW, 1/4"-18 90 DEG.						2		2	1		2	1	2
	5100364	CLIP, 5/8" (2.5070)								1			1		
		3.4145 - SEAL, BLOWER VALVE BYPASS													
4D	**8923959**	RING, SEAL 1.114"X.070"W.						2		2	1		2	1	2
		3.4146 - CLAMP, BLOWER VALVE BYPASS													
4D	**8927183**	CLAMP						2		2	1		2	1	2
4D	**8924968**	CLAMP, 1/2" HOSE (12.9660)						4		4	2		4	2	4
4D	**5101377**	BOLT, 3/8"-16X1" (5.2020)						4		4	2		4	2	4
4D	**103321**	LOCKWASHER, 3/8" (12.9200)						4		4	2	4		2	4
		3.4180 - COVER, BLOWER HOUSING END PLATE													
		REFER TO ASSEMBLY BREAKDOWN PAGE B1 FOR COMPONENT PARTS OF COVER KITS.													
4A	**5148179**	COVER (LESS TACH. DRIVE HOLE)						2			1				
4A	**5146521**	COVER (W/TACH. DRIVE HOLE)							1						
	5196763	COVER KIT, 12V (3.4182)	2												
4A	**5123445**	COVER	1												
	5196761	COVER KIT, 8 & 16V (3.4182)			2	1									
	5196760	COVER KIT, 6V (3.4182)		1			1								
4C	**8927093**	COVER, FRONT								1			1		1
4C	**8927094**	COVER, REAR								2			2		2
4A	**5146328**	COVER										1		1	
	5146490	FLANGE							1						
	8923847	PLUG, 1/4" NPTF (4.7001)	1												
4A	**272391**	BOLT, 5/16"-18X2 1/8" (12.9001)	30	10	20	10	10								
4C	**186643**	BOLT, 5/16"-18X2 1/16 (12.9001)								28			28		28
4A	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)										10		9	
4A	**179828**	BOLT, 5/16"-18X2 1/2" (12.9001)						18	10		9				
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	30	10	20	10	10	18	10	28	9	10	28	9	28
	5159714	WASHER, 11/16"X1/8" (2.7290)	30	10	20	10	10			28		10	28	9	28
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER													
4A	**5126499**	GASKET	3	1	2	1	1		1	1		1	1		1
4A	**8924266**	GASKET (BYPASS BLOWER)						2		2	1		2	1	2

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4600	4601	4602	4603	4609	4885	4888	5007	5133	5144	5155	5188	5233
		3.4192 - TUBE, BLOWER OIL SUPPLY													
	5117717	TUBE, 5/16"X4.20"L. (4.1660)			2	2			1		1				
	8924728	* TUBE, .25"O.D.X2.40"L.						2							
	8924203	= CONNECTOR ASSY., 5/16" O.D. TUBE (12.9415)							1		1				
	8924202	= CONNECTOR ASSY., 5/16" O.D. TUBE (12.9415)	1	1	2	1	1					1			
	8924442	* CONNECTOR, 1/8"-27X1/2"-24 (BRASS)						2							
	8924143	CONNECTOR, 5/16"X1/8"-27 NPTF (12.9410)			2	1			1		1				
	114626	+ CONNECTOR, 1/4" TUBE 1/8"-27 (12.9410)						2							
	8927102	? CONNECTOR, 1/8"-27X1/2"-24X.92"L.								1			1		1
	8924726	? CONNECTOR, 1/8"-27X1/2"-24X1.26"L.												1	
	8925045	ADAPTOR (OIL SUPPLY TUBE) (4.1660)	1	1			1					1			
	8923949	ADAPTOR, 1/8"-27X1.07" (BRASS)								1			1	1	1
	114631	SLEEVE, BALL TUBE 5/16" (12.9430)			2	1			1		1				
	114628	+ SLEEVE, BALL 1/4" TUBE (12.9430)						2							
	8923958	# RING, SEAL .22"X.42"X.213"THK.						2							
	5144424	RING, SEAL 1/4" TUBE (12.9435)	1	1	2	1	1		1		1	1			
	114630	NUT, BALL SLEEVE TUBE 5/16" (12.9440)			2	1			1		1				
	114627	+ NUT, 1/4" TUBE (12.9440)						2							
	8923955	# NUT, 1/2"-24 (BRASS)						2							
		* NOT SERVICED, USE 23500514 CONNECTOR ASSY.													
		+ OBSOLETE.													
		# NOT SERVICED. FOR 6V AND 12V ENGINES USE 8927415 CONNECTOR, 8927414 SEAL AND 8927416 NUT. FOR 8V AND 16V ENGINES USE 23500514 CONNECTOR ASSY.													
		? NOT SERVICED. USE 8927415 CONNECTOR, 8927414 SEAL AND 8927416 NUT.													
		= INCLUDES SEAL RING IN 3.4192.													
		3.4220 - SEAL, BLOWER DRIVE COVER													
4A	8922140	RING, SEAL 4.32" I.D. X 4.88" O.D. X .74" W.	2	1			1	2			1	1		1	
4A	5146040	RING, SEAL 4.32"I.D.X5.091"O.D.X2.86"W.			2	2									
4A	8927100	RING, SEAL 4.32"I.D.X.69"W.								2			2		2
	5123257	REINFORCEMENT, BLOWER DRIVE COVER HOSE			2	1									
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING													
4A	5106219	CLAMP, 4.87"I.D. (T-BOLT) (12.9660)	2	1	4	2	1	2	1	2	1	1	2	1	2
		3.4300 - GEAR, BLOWER DRIVE													
		A GEAR ASSEMBLY INCLUDES BUSHING IN 3.4355.													
4B	5122920	GEAR ASSY. (L.H. HELIX) (40 TEETH)	1	1		1		1	1	1	1	1	1	1	1
4B	5109602	GEAR ASSY. (L.H. HELIX) (39 TEETH)			1		1								
4B	5122919	GEAR ASSY. (R.H. HELIX) (40 TEETH)						1							
4B	5109601	GEAR ASSY. (R.H. HELIX) (39 TEETH)			1										

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 460	461	462	463	469	485	488	507	513	514	515	518	523
		3.4302 - WASHER, BLOWER DRIVE GEAR THRUST													
4B	**5117700**	BEARING, THRUST	2	2	4	2	2	4	2	2	2	2	2	2	2
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST													
4B	**8926293**	WASHER	1	1	2	1	1	2	1	1	1	1	1	1	1
		3.4330 - NUT, BLOWER DRIVE GEAR HUB													
4B	**5117727**	NUT, 1 7/16"-16	1	1	2	1	1	2	1	1	1	1	1	1	1
		3.4340 - LOCKWASHER, BLOWER DRIVE GEAR													
4B	**8926285**	LOCKWASHER, 1 15/32" I.D.	1	1	2	1	1	2	1	1	1	1	1	1	1
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB													
		SUPPORT ASSY. INCLUDES SPRING PIN AND DOWEL PINS IN 3.4350.													
4B	**8922770**	SUPPORT ASSY.	1	1	2	1	1		1		1	1		1	
4B	**8922771**	SUPPORT ASSY.						2							
4B	**8927090**	SUPPORT ASSY.								1			1		1
4B	**8925438**	BOLT, 3/8"-24X7/8" (12.9001)	2	2	4	2	2	4	2	2	2	2	2	2	2
	274889	PIN, 1/8"X1/4" SPRING (12.9270)	1	1	2	1	1	2	1	1	1	1	1	1	1
	5106909	PIN, 3/16"X1/4" DOWEL	2	2	4	2	2	4	2	2	2	2	2	2	2
4B	**5152148**	WASHER, 3/8"X9/16" COPPER (2.4050)	2	2	4	2	2	4	2	2	2	2	2	2	2
		3.4355 - BEARING, BLOWER DRIVE GEAR HUB SUPPORT													
	5120501	BUSHING	2	2	4	2	2	4	2	2	2	2	2	2	2
		3.4360 - GASKET, BLOWER DRIVE GEAR													
4B	**5148810**	GASKET (1.7646)	1	1	2	1	1	2	1	1	1	1	1	1	1
		3.4370 - COUPLING, BLOWER DRIVE													
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.													
4A	**8922517**	COUPLING						2	1		1	1		1	
	5103377	COUPLING ASSY.	1	1	2	1	1								
4A	**8920765**	PLATE						4	2	2	2	2	2	2	2
4A	**5173364**	SPACER, .317"I.D.X.625"O.D.X.421"W. (3.4137)							3			3			
4A	**8923569**	BOLT, 5/16"-24X.75" (3.4135)						6	3	6	3	3	6	3	6
4A	**8923570**	BOLT, 5/16"-24X1" (3.4135)						6	3		3	3		3	
4A	**186649**	BOLT, 5/16"-24X1 5/8" (12.9001)	6	6	12	6	6								
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	6	6	12	6	6								

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 460	461	462	463	469	485	488	507	513	514	515	518	523
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING													
4A	**5150345**	SUPPORT	1	1	2	1	1								
		3.4390 - CAM, BLOWER DRIVE COUPLING													
4A	**5103365**	CAM	1	1	2	1	1								
		3.4400 - SPRING, BLOWER DRIVE COUPLING													
4A	**5123859**	SPRING, 1"W.X.015"THK.X2.31"L.	42	42	84	42	42								
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING													
4A	**5150346**	SEAT	4	4	8	4	4								
4A	**5123860**	SEAT	2	2	4	2	2								
		3.4420 - RETAINER, BLOWER DRIVE COUPLING													
4A	**5150349**	RETAINER	1	1	2	1	1								

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 524	525	526	534	559	560	561	563	566
		3.4001 - BLOWER ASSEMBLY									
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED IN PARENTHESES.									
	5103671	+ BLOWER ASSY., COMPLETE (5103494 BASIC) 16V (PAGE A1)				2					
	8926616	BLOWER ASSY., BASIC BYPASS (8 & 16V) (PAGE C1)	2		1						
	8926615	BLOWER ASSY., BASIC BYPASS (6 & 12V) (PAGE C1)		1							
	23500593	+ BLOWER ASSY., COMPLETE (MIDI-BYPASS) (8928984 BASIC) REAR 12V (PAGE C1)					1				
	23500594	+ BLOWER ASSY., COMPLETE (MIDI-BYPASS) (8928984 BASIC) 12V (PAGE C1)					1	1	1		
	8927098	+ BLOWER ASSY., COMPLETE (MIDI-BYPASS) (8926615 BASIC) FRONT 12V (PAGE C1)						1	1		
	8927157	+ BLOWER ASSY., COMPLETE (MIDI-BYPASS) (8927156 BASIC) 6V (PAGE C1)								1	
	8927469	+ BLOWER ASSY., COMPLETE (8927468 BASIC) (PAGE C1)									2
	272391	BOLT, 5/16"-18X2 1/8" (12.9001)				4					
4A	**187491**	BOLT, 3/8"-16X5 1/2" (12.9001)	12	4	6	12	8	8	8	4	12
4A	**9411488**	BOLT, 7/16"-14X8 1/2" (12.9001)	8	4	4						
4A	**9441614**	BOLT, 7/16"-14X8 1/2" (12.9001)				4	8	8	8	4	8
	103320	LOCKWASHER, 5/16" (12.9200)				4					
4A	**5121814**	WASHER, .40"I.D.X.25"W. (SPECIAL)	12	4	6	12	8	8	8	4	12
4A	**5121905**	WASHER, 7/8"X5/32"	8	4	4	4	8	8	8	4	8
		+ COMPLETE BLOWER ASSEMBLY IS NOT SERVICED. USE BASIC BLOWER ASSEMBLY SHOWN IN PARENTHESES.									
		3.4003 - BLOWER KIT, INSTALLATION									
		INCLUDES ITEMS IN 2.2007, 3.4010, 3.4025, 3.4220, 3.4227 AND 3.4360 PLUS GASKET IN 2.7030 AND (2) COPPER WA SHERS IN 3.4350.									
	5149641	GASKET KIT 6V (T, OTM & TA)		AR						AR	
	5149643	GASKET KIT 8V (T, OTM, TA & TAE)			AR						
	5149642	GASKET KIT 12V (TURBO & NON-TURBO)					AR	AR	AR		
	5149645	GASKET KIT 16V (TURBO & NON-TURBO)	AR			AR					AR
		3.4005 - BLOWER KIT, REPAIR									
		INCLUDES ITEMS IN 3.4040, 3.4060, 3.4090 LOCKWASHER IN 3.4110, 3.4158, 3.4159, 3.4160, 3.4163 SEAL RING IN 3.4180 AND 3.4190.									
	5108120	BLOWER KIT (SMALL BEARING) (NON-TURBO)				AR					
	5108123	BLOWER KIT (LARGE BEARING) (TURBO)	AR	AR	AR		AR	AR	AR	AR	AR

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 524	525	526	534	559	560	561	563	566
		3.4010 - GASKET, BLOWER									
4A	**5141588**	GASKET	2		1	2					2
4A	**5147469**	GASKET		1			2	2	2	1	
		3.4025 - SCREEN, BLOWER									
	5102062	GASKET (LESS SCREEN)			1						2
3A	**5103515**	GASKET (WITH SCREEN)					2	2	2		
3A	**5103602**	GASKET (WITH SCREEN)				2					
		3.4103 - SPROCKET, BLOWER ROTOR GEAR DRIVE									
4C	**8927095**	SPROCKET					1	1	1		
4C	**5103364**	BOLT, 1/2"-20X1.10" (3.4080)					1	1	1		
		3.4105 - SPROCKET, BLOWER ROTOR GEAR DRIVEN									
4C	**8927099**	SPROCKET					1	1	1		
4C	**5125464**	BOLT, 3/8"-24X1"					3	3	3		
		3.4107 - CHAIN, BLOWER ROTOR GEAR SPROCKET COUPLING									
4C	**5117091**	CHAIN, 1 1/4"W. ENDLESS					1	1	1		
		3.4110 - DISC, BLOWER ROTOR FUEL PUMP									
4A	**8924426**	DISC	2	1	1	2	1	1	1	1	2
4A	**182776**	BOLT, 1/2"-20X1 1/4" (12.9001)	2	1	1	2	1	1	1	1	2
4A	**5154398**	LOCKWASHER, 1/2" (3.4080)	2	1	1	2	1	1	1	1	2
		3.4112 - SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC									
4A	**8925674**	SPACER	1	1	1	2	1	1	1	1	2
		3.4130 - HUB, BLOWER ROTOR GEAR									
4B	**8922519**	HUB (WITH LUGS FOR ACCESSORY DRIVE)	1	1	1			1		1	
4B	**5122914**	HUB				2					
4B	**8922518**	HUB	1				1		1		1
4B	**8927096**	HUB					1	1	1		
		3.4135 - PLATE, BLOWER ROTOR GEAR HUB									
4B	**8920764**	PLATE (SPRING)	4	2	2	4	2	2	2	2	2
4B	**8923571**	BOLT, 3/8"-24X.925"	12	6	6	12	6	6	6	6	6
		3.4137 - SPACER, BLOWER ROTOR GEAR HUB									
	5173364	SPACER	6	3	3						6
	8927097	SPACER					3	3	3		

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 524	525	526	534	559	560	561	563	566
		3.4144 - VALVE ASSY., BLOWER BYPASS									
	8927187	VALVE ASSY., RELIEF	2	1	1		2	2	2	1	
	8924436	HOSE, 1/4"X5.38"L.	2	1	1		2	1	1	1	
	8927116	HOSE, 1/4"-12"L.						1	1		
	8924802	ELBOW, 1/4"-18 90 DEG.	2	1	1		2	2	2	1	
	5100364	CLIP, 5/8" (2.5070)						1	1		
	5101377	BOLT, 3/8"-16X1" (5.2020)	4	2	2		4	4	4	2	
	103321	LOCKWASHER, 3/8" (12.9200)	4	2	2		4	4	4	2	
		3.4145 - SEAL, BLOWER VALVE BYPASS									
	8923959	RING, SEAL 1.114"X.070"	2	1	1		2	2	2	1	
		3.4146 - CLAMP, BLOWER VALVE BYPASS									
	8927183	CLAMP	2	1	1		2	2	2	1	
	8924968	CLAMP, 1/2" HOSE (12.9660)	4	2	2		4	4	4	2	
		3.4180 - COVER, BLOWER HOUSING END PLATE									
		REFER TO ASSEMBLY BREAKDOWN PAGE B1 FOR COMPONENT PARTS OF COVER KITS.									
4A	**5148179**	COVER (LESS TACH. DRIVE HOLE)	2		1						2
	5196761	COVER KIT, 8 & 16V (3.4182)				2					
4A	**5146328**	COVER		1						1	
4A	**8927094**	COVER (REAR)					2	2	2		
4A	**8927093**	COVER (FRONT)					1	1	1		
	8924333	PLATE								1	
4A	**186643**	BOLT, 5/16"-18X2 1/16" (12.9001)					28	28	28		
4A	**272391**	BOLT, 5/16"-18X2 1/8" (12.9001)				20					
4A	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)		9						9	
	8924380	PLUG, 1/8"-27 NPTF (12.9550)					1				
4A	**179828**	BOLT, 5/16"-18X2 1/2" (12.9001)	18		9						20
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	18	9	9	20	28	28	28	9	20
	5159714	WASHER, 11/16"X1/8" (2.7290)		9		20	28	28	28	9	
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER									
4A	**5126499**	GASKET				2	1	1	1		1
4A	**8924266**	GASKET (BYPASS BLOWER)	2	1	1		2	2	2	1	
		3.4192 - TUBE, BLOWER OIL SUPPLY									
	5117717	TUBE, 5/16"X4.20"L. (4.1660)			1	2					2
	8924728	* TUBE, .25"O.D.X2.40"L.	1								
	8927005	$ CONNECTOR ASSY., 1/8"-27X2.14"					1	1	1	1	
	8924203	= CONNECTOR ASSY., 5/16" O.D. TUBE (12.9415)			1						2
	8924202	= CONNECTOR ASSY., 5/16" O.D. TUBE (12.9415)				2					
	8924442	* CONNECTOR, 1/8"-27X1/2"-24 (BRASS)	2								
	114626	+ CONNECTOR, 1/4" TUBE 1/8"-27 (12.9410)	2								
	8924143	CONNECTOR, 5/16"X1/8"-27 NPTF (12.9410)			1	2					2
	8924726	? CONNECTOR, 1/8"-27X1/2"-24X1.26"L.		1							
	8923949	ADAPTOR, 1/8"-27 (BRASS)		1			1	1	1	1	

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 524	525	526	534	559	560	561	563	566
		3.4192 - TUBE, BLOWER OIL SUPPLY (CONT'D)									
	114631	SLEEVE, BALL TUBE 5/16" (12.9430)			1	2					2
	114628	+ SLEEVE, BALL 1/4" TUBE (12.9430)	2								
	8923958	# RING SEAL .22"X.42"X.213"THK.	2								
	5144424	RING SEAL 1/4" TUBE (12.9435)			1	2					2
	114630	NUT, BALL SLEEVE TUBE 5/16" (12.9440)			1	2					2
	114627	+ NUT, 1/4" TUBE (12.9440)	2								
	8927415	CONNECTOR, 1/8" PT. X 1/4" I.D. X 1.30" L.					1	1	1	1	
	8927414	RING, SEAL 1/4"I.D.X1/2"O.D.X.31"THK. IDENTIFICATION: VIOLET COLOR SLASH					1	1	1	1	
	8927416	NUT, 5/8" HEX.-1/4"I.D.					1	1	1	1	
		* NOT SERVICED, USE 23500514 CONNECTOR ASSY.									
		+ OBSOLETE.									
		# NOT SERVICED. FOR 6V AND 12V ENGINES USE 8927415 CONNECTOR, 8927414 SEAL AND 8927416 NUT. FOR 8V AND 16V ENGINES USE 23500514 CONNECTOR ASSY.									
		? NOT SERVICED. USE 8927415 CONNECTOR, 8927414 SEAL AND 8927416 NUT.									
		= INCLUDES SEAL RING IN 3.4192.									
		$ INCLUDES CONNECTOR, SEAL RING, NUT & ADAPTOR IN 3.4192.									
		3.4220 - SEAL, BLOWER DRIVE COVER									
4A	**8922140**	RING, SEAL 4.32"I.D.X4.88"O.D.X.74"W.	2	1	1					1	2
4A	**5146040**	RING, SEAL 4.32"I.D.X5.091"O.D.X2.86"W.				2					
4A	**8927100**	RING, SEAL 4.32"I.D.X5.08"O.D.X.69"W.					2	2	2		
	5123257	REINFORCEMENT, BLOWER DRIVE COVER HOSE				2					
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING									
4A	**5106219**	CLAMP, 4.87"I.D. (T-BOLT) (12.9660)	2	1	1	4	2	2	2	1	2
		3.4300 - GEAR, BLOWER DRIVE									
		A GEAR ASSEMBLY INCLUDES BUSHING IN 3.4355.									
4B	**5122920**	GEAR ASSY. (L.H. HELIX) (40 TEETH)	1	1	1		1	1	1	1	1
4B	**5109602**	GEAR ASSY. (L.H. HELIX) (39 TEETH)				2					
4B	**5122919**	GEAR ASSY. (R.H. HELIX) (40 TEETH)	1								
		3.4302 - WASHER, BLOWER DRIVE GEAR THRUST									
4B	**5117700**	BEARING, THRUST	4	2	2	4	2	2	2	2	2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 524	525	526	534	559	560	561	563	566
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST									
4B	**8926293**	WASHER	2	1	1	2	1	1	1	1	1
		3.4330 - NUT, BLOWER DRIVE GEAR HUB									
4B	**5117727**	NUT, 1 7/16"-16	2	1	1	2	1	1	1	1	1
		3.4340 - LOCKWASHER, BLOWER DRIVE GEAR									
4B	**8926285**	LOCKWASHER, 1 15/32" I.D.	2	1	1	2	1	1	1	1	1
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB									
		SUPPORT ASSY. INCLUDES SPRING PIN AND DOWEL PINS IN 3.4350.									
4B	**8922770**	SUPPORT ASSY.	2	1	1	2			1	1	
4B	**8927090**	SUPPORT ASSY.					1	1	1		
4B	**8925438**	BOLT, 3/8"-24X7/8" (12.9001)	4	2	2	2	2	2	2	2	2
4B	**181365**	BOLT, 3/8"-24X1 1/8" (12.9001)				2					
	274889	PIN, 1/8"X1/4" SPRING (12.9270)	2	1	1	2	1	1	1	1	1
	5106909	PIN, 3/16"X1/4" DOWEL	4	2	2	4	2	2	2	2	2
4B	**5152148**	WASHER, 3/8"X9/16" COPPER (2.4050)	4	2	2	4	2	2	2	2	2
		3.4355 - BEARING, BLOWER DRIVE GEAR HUB SUPPORT									
	5120501	BUSHING	4	2	2	4	2	2	2	2	2
		3.4360 - GASKET, BLOWER DRIVE GEAR									
4B	**5148810**	GASKET (1.7646)	2	1	1	2	1	1	1	1	1
		3.4370 - COUPLING, BLOWER DRIVE									
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.									
4A	**8922517**	COUPLING	2	1	1				1	2	
	5103377	COUPLING ASSY.				2					
4A	**8920765**	PLATE	4	2	2		2	2	2	2	4
4A	**5173364**	SPACER, .317"I.D.X.625"O.D.X.421"W. (3.4137)								3	
4A	**8923569**	BOLT, 5/16"-24X.75" (3.4135)	6	3	3		6	6	6	3	6
4A	**8923570**	BOLT, 5/16"-24X1" (3.4135)	6	3	3					3	6
4A	**186649**	BOLT, 5/16"-24X1 5/8" (12.9001)				12					
4A	**103320**	LOCKWASHER, 5/16" (12.9200)				12					
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING									
4A	**5150345**	SUPPORT				2					
		3.4390 - CAM, BLOWER DRIVE COUPLING									
4A	**5103365**	CAM				2					

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 524	525	526	534	559	560	561	563	566
		3.4400 - SPRING, BLOWER DRIVE COUPLING									
4A	**5123859**	SPRING, 1"W.X.015"THK.X2.31"L.				84					
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING									
4A	**5150346**	SEAT				8					
4A	**5123860**	SEAT				4					
		3.4420 - RETAINER, BLOWER DRIVE COUPLING									
4A	**5150349**	RETAINER				1					

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.4001 - BLOWER ASSY.														
	5117836	+ BLOWER ASSY. (8-16V)	1													
	5124430	+ BLOWER ASSY. (6-12V)		1												
	5103494	BLOWER ASSY. (8-16V)							1							
	5124431	+ BLOWER ASSY. (8-16V)			1											
	5103495	BLOWER ASSY. (8-16V)								1						
	5125851	+ BLOWER ASSY. (6-12V)				1										
	5103532	BLOWER ASSY. (6-12V)									1					
	5147152	BLOWER ASSY. (8V)					1									
	5103533	BLOWER ASSY. (6-12V)										1				
	5144787	BLOWER ASSY. (8-16V)						1								
	5101483	BLOWER ASSY. (8V-71)											1			
	5104937	BLOWER ASSY. (8V)												1		
	8923371	BLOWER ASSY. (8V)													1	
	8925153	BLOWER ASSY. (6V)														1
		+ NOT SERVICED, SHOWN FOR REFERENCE.														
		3.4020 - HOUSING, BLOWER														
4A	**5117935**	HOUSING	1					1	1							
4A	**5117419**	HOUSING		1		1					1	1				
4A	**5139820**	HOUSING			1		1			1						
4A	**5101576**	HOUSING											1	1		
4A	**5101491**	HOUSING													1	
4A	**8920747**	HOUSING														1
		3.4030 - ROTOR, BLOWER IMPELLER														
		A ROTOR ASSY. INCLUDES PLUGS IN 3.4030 AND SHAFT AND PIN IN 3.4035. A ROTOR SET INCLUDES RH AND LH ROTOR AS SY. AND MUST BE USED THRU 8VA-14964 AND 16VA-614.														
4A	**5134340**	ROTOR ASSY. (RH HELIX)	1		1				1	1						
4A	**5134341**	ROTOR ASSY. (LH HELIX)	1		1				1	1						
4A	**5117067**	ROTOR ASSY. (RH HELIX)		1		1					1	1				
4A	**5117072**	ROTOR ASSY. (LH HELIX)		1		1					1	1				
4A	**5144778**	ROTOR ASSY. (RH HELIX)					1	1					1	1		
4A	**5144779**	ROTOR ASSY. (LH HELIX)					1	1					1	1		
4A	**5101259**	ROTOR ASSY. (RH HELIX)													1	
4A	**5101324**	ROTOR ASSY. (LH HELIX)													1	
4A	**8920749**	ROTOR ASSY. (RH HELIX)														1
4A	**8920750**	ROTOR ASSY. (LH HELIX)														1
	5198156	ROTOR SET	AR		AR				AR	AR						
	5150829	PLUG, 7/8" DIA. CUP (4.8001)												1	1	
	9428477	PLUG, 15/16" DIA. CUP (2.7340)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
		3.4035 - SHAFT, BLOWER ROTOR														
	5117071	SHAFT (4.22"L. (REAR)	3	3	3	3	1	1	3	3	3	3	1	1	1	1
	5150216	SHAFT (4 9/16"L. (REAR)					2	2					2	2	2	2
	5150869	* SHAFT ASSY.	1	1	1	1			1	1	1	1				
	5142412	* SHAFT ASSY. (FRONT)					1						1	1	1	1
	142522	PIN, 1/4"X1 3/4" GROOVE (12.9270)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		* INCLUDES PLUG IN 3.4037.														

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.4037 - PLUG, BLOWER ROTOR SHAFT														
	5150829	PLUG, 7/8" DIA. CUP (4.8001)	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.4040 - BEARING, BLOWER ROTOR FRONT														
4A,C	**7451054**	BEARING	2	2	2	2			2	2	2	2				
4A,C	**7453967**	BEARING					2	2					2	2	2	2
		3.4050 - RETAINER, BLOWER ROTOR FRONT BEARING														
4A	**5103525**	RETAINER	2	2	2	2			2	2	2	2				
4A	**5147147**	RETAINER					2	2					2	2	2	2
4A	**5148794**	BOLT, 1/4"-20X5/8" (3.4050)					6	6						6	6	6
4A	**179795**	BOLT, 1/4"-20X3/4" (12.9001)	6	6	6	6			6	6	6	6	6			
4A	**103319**	LOCKWASHER, 1/4" (12.9200)	6	6	6	6			6	6	6	6				
		3.4060 - BEARING, BLOWER ROTOR REAR														
4A,C	**954418**	BEARING	2	2	2	2			2	2	2	2				
4A,C	**907933**	BEARING					2	2					2	2	2	2
		3.4070 - RETAINER, BLOWER ROTOR REAR BEARING														
4A	**5103525**	RETAINER	2	2	2	2			2	2	2	2				
4A	**5141605**	RETAINER (3.4050)					2	2					2	2	2	2
4A	**5148794**	BOLT, 1/4"-20X5/8" (3.4050)					6	6					6	6	6	6
4A	**179795**	BOLT, 1/4"-20X3/4" (12.9001)	6	6	6	6			6	6	6	6				
4A	**120380**	LOCKWASHER, 1/4" (12.9200)	6	6	6	6			6	6	6	6				
		3.4080 - GEAR SET, BLOWER ROTOR														
4A,C	**5196321**	GEAR SET	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4A,C	**5117082**	SPACER (3.4103)	2	2	2	2										
4A,C	**5141468**	SPACER, .140"L.					2	2					2	2	2	2
4A,C	**5146049**	SPACER, .340"L. (3.4103)					2	2					2	2	2	2
4A,C	**5103364**	BOLT, 1/2"-20X1.10"							2	2	2	2				
4A,C	**5117081**	BOLT, 1/2"-20X1 1/4"	2	2	2	2										
4A,C	**9409060**	# BOLT, 1/2"-20X1 1/2" LK. (12.9001)					2	2					2	2	2	2
4A,C	**5147149**	BOLT, 1/2"-20X1 1/2" (TACH. DRIVE) (7.4435)					1									
		# DEDUCT (1) 9409060 BOLT WHEN TACH. DRIVE IS USED.														
		3.4090 - SHIM, BLOWER ROTOR GEAR														
4A	**5150372**	SHIM (.002")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4A	**5153938**	SHIM (.003")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4A	**5150855**	SHIM (.005")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.4090 - SHIM, BLOWER ROTOR GEAR (CONT'D)														
4A	**5150856**	SHIM (.010")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		3.4140 - PLATE, BLOWER HOUSING END														
		A PLATE ASSY. INCLUDES PIN, STRAINER, PLUG AND SLEEVE IN 3.4140 AND SEAL IN 3.4160.														
	5117458	* PLATE ASSY. (FRONT) (5103526)	1			1										
	5123468	@ PLATE ASSY. (REAR) (5103490)	1		1	1										
	5124295	@ PLATE ASSY. (REAR) (5103490)		1												
	5124294	& PLATE ASSY. (FRONT) (5103526)		1	1											
	5141538	% PLATE ASSY. (FRONT) (5147150)					1	1								
	5103526	PLATE, FRONT							1	1	1	1				
	5103490	PLATE, REAR							1	1	1	1				
	5144785	? PLATE ASSY. (REAR) (5144784)						1					1		1	1
	5141471	# PLATE ASSY. (REAR) (5146523)					1									
	5101130	& PLATE ASSY. (FRONT) (5101037)											1			
	5147154	? PLATE ASSY. (FRONT) (5147150)												1	1	1
	5104939	+ PLATE ASSY. (REAR) (5104938)												1		
	5150542	PIN, .308"X2" DOWEL	2	2	2	2	4	4	4	4	4	4	4	4	4	4
	5157933	PIN, DOWEL (7/8" LONG)	2	2	2	2			2	2	2	2				
	8924380	PLUG, 1/8"-27 (12.9550)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	5109389	STRAINER, OIL PASSAGE	2	2	2	2	2	2	2	2	2	2	1	1	2	2
	5127477	SLEEVE, BOLT GUIDE	2	2	2	2	2	2					2	2	2	2
	117296	SCREW, 5/16"-18X1 1/2" FIL. HD. (12.9010)	4	4	4	4		4					4	4	4	4
		* NOT SERVICED; USE BASIC PLATE SHOWN IN PARENTHESES & INC. (2) 5110330 COLLARS, (2) 5150542 PINS, (1) 5109 389 STRAINER & (1) 5127477 SLEEVE.														
		@ NOT SERVICED; USE BASIC PLATE SHOWN IN PARENTHESES & INC. (1) 8924202 CONNECTOR ASSY.														
		& NOT SERVICED. USE BASIC PLATE SHOWN IN PARENTHESES.														
		% NOT SERVICED. USE BASIC PLATE SHOWN IN PARENTHESES AND INCLUDE 5147147 RETAINERS AND 2-5148794 SCREWS.														
		# NOT SERVICED. USE BASIC PLATE SHOWN IN PARENTHESES AND INCLUDE 2-179828 BOLTS, 1-5149937 BLOWER DRIVE SHA FT KIT, 1-8924203 CONNECTOR ASSY.														
		? NOT SERVICED. USE BASIC PLATE SHOWN IN PARENTHESES AND INCLUDE 1-5109389 STRAINER, 1-5127477 GUIDE 2-5110 330 COLLAR, 2-5150542 PIN AND 1-8924380 PLUG.														
		+ NOT SERVICED. USE BASIC PLATE SHOWN IN PARENTHESES AND INCLUDE 2-5110330 COLLARS, 2-5150542 PINS, 1-51274 77 GUIDE AND 1-8924380 PLUG.														

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.4158 - *CARRIER, BLOWER HOUSING END PLATE SEAL RING*														
	5100727	* CARRIER (ON ROTOR SHAFTS)		4	4		4	4		4		4	4	4	4	2
		* MUST BE USED WITH 5100617 SEAL IN 3.4160.														
		3.4159 - *COLLAR, BLOWER HOUSING END PLATE SEAL RING*														
	5110330	COLLAR		4	4		4	4		4		4	4	4	4	4
		3.4160 - SEAL, BLOWER HOUSING END PLATE														
4A	**5138710**	SEAL, OIL (STD.)	4			4			4		4					
	5192438	SEAL (O.S.I.D., USE WITH 5192439 *SPACER*)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4A	**5100617**	* SEAL, OIL		4	4		4	4		4		4	4	4	4	2
		* MUST BE USED WITH 5100727 CARRIER IN 3.4158.														
		3.4163 - SPACER, BLOWER ROTOR SHAFT OIL SEAL														
	5192439	*SPACER (WEAR RING: USE WITH 5192438 SEAL*	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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3.4000 BLOWER AND DRIVE

3.4180 - COVER, BLOWER HOUSING END PLATE

KIT CONTAINS COVER ASSY. WHICH IS NOT SERVICED SEPARATELY.

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	5196760	COVER KIT (6V)	1													
	5196761	COVER KIT (8-16V)		1												
	5196762	COVER KIT (12V)			1											
	5196763	COVER KIT (12V)				1										
	5123445	* COVER, END PLATE			1											
	5123450	* COVER, END PLATE			1											
	5168749	PLUG, 7/8"-14 (TACH. DRIVE HOLE) (4.4160)	1	1		1										
	105456	GASKET (W/5168749 PLUG) (12.9360)	1	1		1										
	5126499	GASKET, COVER (3.4190)	1	1	2	1	1									
	8922140	SEAL, BLO. DR. COVER (4.32" I.D.X4.88" O.D.X.77" WIDE) (3.4220)	1		2	2										
	5128633	SEAL, BLO. DR. COVER (4 1/2"I.D.X3" WIDE) (3.4220)		1												
	5124519	# SEAL RING (OIL SUPPLY TUBE) (3.4350)	1	1		1										
	5124521	# PLATE, REINFORCEMENT	1	1		1										
	5123849	PLATE, REINFORCEMENT (COVER)			2											
	5120645	CLAMP, BLO. DRIVE COVER (3.4227)		1												
	186643	BOLT, 5/16"-18X2 1/16" (12.9001)	10	10	16	10										
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2												
	5124520	# WASHER, SEAL	1	1		1										
	5159714	WASHER (.328"I.D.X1/8") (2.7296)	10	10	16	10										
	103320	LOCKWASHER, 5/16" (12.9200)	10	10												

* EFF. WITH 12VA-132.
\# THRU 6VA-54306, 8VA-107423, 12VA-20732, 16VA-5164.

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G
		3.4001 - BLOWER ASSY.							
	8926616	BLOWER ASSY. (8-16V)	1						
	8926615	BLOWER ASSY. (6-12V)		1					
	8926408	BLOWER ASSY. (8V)			1				
	8926407	BLOWER ASSY. (6V)				1			
	8928984	BLOWER ASSY. (12V)					1		
	8927468	BLOWER ASSY. (8V)						1	
	8927156	BLOWER ASSY. (6V)							1
		3.4020 - HOUSING, BLOWER							
4A	**5101491**	HOUSING	1		1				
4A	**8920747**	HOUSING		1		1	1		
4A	**8921937**	HOUSING						1	
4A	**5117419**	HOUSING							1
		3.4030 - ROTOR, BLOWER IMPELLER							
		A ROTOR ASSY. INCLUDES PLUGS IN 3.4030 AND SHAFT AND PIN IN 3.4035.							
4A	**5101259**	ROTOR ASSY. (RH HELIX)	1		1				
4A	**5101324**	ROTOR ASSY. (LH HELIX)	1		1				
4A	**8920749**	ROTOR ASSY. (RH HELIX)		1		1			
4A	**8920750**	ROTOR ASSY. (LH HELIX)		1		1			
4A	**23500589**	ROTOR ASSY. (RH HELIX)					1		
4A	**23500588**	ROTOR ASSY. (LH HELIX)					1		
4A	**5144778**	ROTOR ASSY. (RH HELIX)						1	
4A	**5144779**	ROTOR ASSY. (LH HELIX)						1	
4A	**5147543**	ROTOR ASSY. (LH HELIX)							1
4A	**5147544**	ROTOR ASSY. (RH HELIX)							1
	9428477	PLUG, 15/16" DIA. CUP (2.7340)	12	6	12	6	6	12	12
	5150829	PLUG, 7/8" DIA. CUP (4.8001)						1	1
		3.4035 - SHAFT, BLOWER ROTOR							
	5117071	SHAFT (4.22" L. (REAR)	1	1	1	1	1	1	1
	5150216	SHAFT (4 9/16" L. (REAR)	2	2	2	2	2	2	1
	5142412	* SHAFT ASSY. (FRONT)	1	1	1	1	1	1	1
	142522	PIN, 1/4"X1 3/4" GROOVE (12.9270)	4	4	4	4	4	4	4
		* INCLUDES PLUG IN 3.4037.							
		3.4037 - PLUG, BLOWER ROTOR SHAFT							
	5150829	PLUG, 7/8" DIA. CUP (4.8001)	1	1	1	1	1	1	1
		3.4040 - BEARING, BLOWER ROTOR FRONT							
4A,C	**7453967**	BEARING	2	2	2	2	2	2	2
		3.4050 - RETAINER, BLOWER ROTOR FRONT BEARING							
4A	**5147147**	RETAINER	2	2	2	2	2	2	2
4A	**5148794**	BOLT, 1/4"-20X5/8" (3.4050)	6	6	6	6	6	6	6

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G
		3.4060 - BEARING, BLOWER ROTOR REAR							
4A,C	**907933**	BEARING	2	2	2	2	2	2	2
		3.4070 - RETAINER, BLOWER ROTOR REAR BEARING							
4A	**5141605**	RETAINER (3.4050)	2	2	2	2	2	2	2
4A	**5148794**	BOLT, 1/4"-20X5/8" (3.4050)	6	6	6	6	6	6	6
		3.4080 - GEAR SET, BLOWER ROTOR							
4A,C	**5196321**	GEAR SET	1	1	1	1	1	1	1
4A,C	**5141468**	SPACER, .140" L.	2	2	2	2	2	2	2
4A,C	**5146049**	SPACER, .340" L. (3.4103)	2	2	2	2	2	2	2
4A,C	**9409060**	BOLT, 1/2"-20X1 1/2" (12.9001)	2	2	2	2	2	2	2
		3.4090 - SHIM, BLOWER ROTOR GEAR							
4A	**5150372**	SHIM (.002")	AR	AR	AR	AR	AR	AR	AR
4A	**5153938**	SHIM (.003")	AR	AR	AR	AR	AR	AR	AR
4A	**5150855**	SHIM (.005")	AR	AR	AR	AR	AR	AR	AR
4A	**5150856**	SHIM (.010")	AR	AR	AR	AR	AR	AR	AR
		3.4140 - PLATE, BLOWER HOUSING END							
		A PLATE ASSY. INCLUDES PIN, STRAINER, PLUG AND SLEEVE IN 3.4140 AND SEAL IN 3.4160.							
	5147150	PLATE ASSY. (FRONT)	1	1					
	5101037	PLATE ASSY. (FRONT)			1	1			
	8927076	PLATE ASSY. (REAR)	1	1	1	1			
	5147154	? PLATE ASSY. (FRONT) (5147150)					1	1	1
	8926406	+ PLATE ASSY. (REAR) (8927076)					1		1
	5144785	? PLATE ASSY. (REAR) (5144784)						1	
	5150542	PIN, .308"X2" L.	4	4	4	4	4	4	4
	8924380	PLUG, 1/8"-27 (12.9550)	2	2	2	2	2	2	2
	5127477	SLEEVE, BOLT GUIDE	2	2	2	2	2	2	2
	5109389	STRAINER, OIL PASSAGE	1	1			1	2	1
	117296	SCREW, 5/16"-18X1 1/2" FIL. HD. (12.9010)	4	4	4	4	4	4	4
		? NOT SERVICED. USE BASIC PLATE SHOWN IN PARENTHESES AND INCLUDE 1-5109389 STRAINER, 1-5127477 GUIDE 2-5110 330 COLLAR, 2-5150542 PIN AND 1-8924380 PLUG.							
		+ NOT SERVICED. USE BASIC PLATE SHOWN IN PARENTHESES AND INCLUDE 2-5110330 COLLARS, 2-5150542 PINS, 1-51274 77 GUIDE AND 1-8924380 PLUG.							
		3.4158 - CARRIER, BLOWER HOUSING END PLATE SEAL RING							
	5100727	* CARRIER (ON ROTOR SHAFT)	4	2	4	2		4	4
		* MUST BE USED WITH 5100617 SEAL IN 3.4160.							

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G
		3.4159 - COLLAR, BLOWER HOUSING END PLATE SEAL RING							
	5110330	COLLAR	4	4	4	4	4	4	4
		3.4160 - SEAL, BLOWER HOUSING END PLATE							
4A	**5100617**	* SEAL OIL * MUST BE USED WITH 5100727 CARRIER IN 3.4158.	4	2	4	2		4	4
	5192438	SEAL (O.S., I.D., USE WITH 5192439 SPACER)	AR	AR	AR	AR		AR	
		3.4163 - SPACER, BLOWER ROTOR SHAFT OIL SEAL							
	5192439	SPACER (WEAR RING: USE WITH 5192438 SEAL)	AR	AR	AR	AR		AR	

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3.4000A BLOWER DRIVE SHAFT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 18	19	20	21	22	23	27	30	33	45	54	56	57
		3.4445 - SHAFT, BLOWER DRIVE													
4A	**5117724**	* SHAFT, .625" DIA. X 5.22" L. (6V MARINE)	1												
4A	**5162860**	SHAFT, .625" DIA. X 5.22" L. (6V)								1					
4A	**5124094**	@ SHAFT, .625" DIA. X 6.08" L. (6V MARINE)				1									
4A	**5117725**	* SHAFT, .625" DIA. X 7" L. (8-16V MARINE)		2							2				
4A	**5130295**	SHAFT, .625" DIA. X 7" L. (8V)							1						
4A	**5124095**	@ SHAFT, .625" DIA. X 7.86" L. (#) (8-16V MARINE)					1				2				
4A	**5148253**	& SHAFT, .790" DIA. X 5" L. NITRIDED (12V)			1										
4A	**5148255**	SHAFT, .790" DIA. X 5.86" L. NITRIDED (12V)						1							
4A	**5199273**	& SHAFT, .790" DIA. X 7.00" L. (16V)									2				
4A	**5199274**	& SHAFT, .790" DIA. X 7.86" L. (8V)					1				2				
	8922634	SHAFT AND SPRING ASSY.												1	2
4A	**8923053**	# SHAFT AND SPRING ASSY. (INCLUDES 8922736 SPRING) (6.67" L. CARBONITRIDE) (8V)										1			
	8922736	SPRING, .240" DIA. X 1.25" L.										1	1	1	2
	8922666	SHAFT AND SPRING ASSY. (INCLUDES SPRING IN 3.4445) (4.89" L.) (29 TEETH) (6V71)											1		
		* MARINE APPLICATION EFFECTIVE WITH 6VA-50622, 8VA-81197.													
		@ MARINE APPLICATION THRU 6VA-50621, 8VA-81196.													
		& OPTIONAL TO STANDARD SHAFT IDENTIFIED "#".													
		# REFERENCE 18SP-213.													
		3.4446 - RING, BLOWER DRIVE SHAFT													
4B	**5154637**	* RING, SNAP	1	2	1				1	1		1			
4B	**5167727**	@ RING, SNAP				1	1	1			2				
	8922605	RING, SNAP											1	1	2
		* MARINE APPLICATION THRU 6VA-50621, 8VA-81196.													
		@ MARINE APPLICATION EFFECTIVE WITH 6VA-50622, 8VA-81197.													
		+ NOT SERVICED. USE 5196760 KIT (6V-71) OR 5196761 KIT (8V-71).													

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3.4000A BLOWER DRIVE SHAFT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 58	60	63
		3.4445 - SHAFT, BLOWER DRIVE			
	8923048	SHAFT & SPRING ASSY. (INCLUDES SPRING IN 3.4445) (4.89" L.) (48 TEETH FRONT, 29 TEETH REAR)	1		
	8923049	SHAFT & SPRING ASSY. (INCLUDES SPRING IN 3.4445) (6.67" L.) (48 TEETH FRONT, 29 TEETH REAR)		1	
	8927103	SHAFT AND SPRING ASSY. (INCLUDES SPRING IN 3.4445) (4.75" L.)			1
	8922736	SPRING, .240" DIA. X 1.25" L.	1	1	1
		3.4446 - RING, BLOWER DRIVE SHAFT			
	8922605	*RING, RETAINING*	1	1	1

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 78	85	91	92	97	100	102	103	105	106	109	113
	3.5001	**- TURBOCHARGER**												
		• FOR TYPE 93 USE TYPE 126.■ • FOR TYPE 95 USE TYPE 137.■ REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
#	**5128000**	TURBOCHARGER ASSY. (T-3030) (8V) (PAGE C1)	1											
#	**5162658**	TURBOCHARGER ASSY. (T-3030) (8V) (PAGE C1)		1										
#	**5132781**	TURBOCHARGER ASSY. (T-1865) (16V) (PAGE A1)			1	1	1			1				
#	**5132782**	TURBOCHARGER ASSY. (T-1865) (16V) (PAGE A1)			1	1		1	1	1				
#	**5135443**	* TURBOCHARGER ASSY. (T-1865) (16V) (8925851) (PAGE A1)					1	1	1					
#	**5134050**	* TURBOCHARGER ASSY. (T-1805) (12V) (5138879) (PAGE A1)									1			
#	**5137381**	TURBOCHARGER ASSY. (T-1805) (12V) (PAGE A1)									1			
#	**5137379**	* TURBOCHARGER ASSY. (T-1805) (12V) (8925847) (PAGE A1)										1		
#	**5137380**	* TURBOCHARGER ASSY. (T-1805) (12V) (8925847) (PAGE A1)										1		
5B	**5138883**	* TURBOCHARGER ASSY. (T-1865) (16V) (8925850) (PAGE A1)											1	
5B	**5138884**	TURBOCHARGER ASSY. (T-1865) (16V) (PAGE A1)											1	
5B	**5140756**	TURBOCHARGER ASSY. (T-1865) (8V) (PAGE A1)												1
	5120638	STUD, 1/2"-13-20X1 15/16" (12.9117)	6	6										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)												4
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			8	8	8			8				
	100030	BOLT, 3/8"-24X2" (12.9001)						4	4				4	
	103321	LOCKWASHER, 3/8" (12.9200)			AR									AR
	9411981	NUT, 3/8 -24 (SEIZPROOF) (12.9120)			8	8	8	8	8	8			8	
	9174753	NUT, 1/2"-20 LOCK (12.9120)	6	6										
		* NOT SERVICED. USE PART NUMBER SHOWN IN PARENTHESES. # FIGS. 5A, B, C, D, E, G, H, J, K.												
	3.5002	**- BRACKET, TURBOCHARGER SUPPORT**												
#	**5133982**	BRACKET									1	1		
#	**5133264**	BRACKET									1	1		
#	**5133239**	BRACKET									1	1		
#	**5189440**	SPACER, 13/32"I.D.X15/32" (2.8756)									3	3		
#	**5164789**	SPACER, 13/32"I.D.X7/8" (5.4025)									4	4		
#	**5125608**	SPACER, 15/32"I.D.X1/8" THICK (1.3112)		4										
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)									2	2		

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 78	85	91	92	97	100	102	103	105	106	109	113
		3.5002 - BRACKET, TURBOCHARGER SUPPORT (CONT'D)												
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)									3	3		
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)									2	2		
	186317	BOLT, 3/8"-24X5" (12.9001)									1	1		
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)									1	1		
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		4										
	103341	WASHER, 3/8" FLAT (12.9190)									AR	AR		
	103321	LOCKWASHER, 3/8" (12.9200)									AR	AR		
	103322	LOCKWASHER, 7/16" (12.9200)		4										
	103026	NUT, 3/8"-24 HEX. (12.9120)									3	3		
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5003 - HOUSING, TURBOCHARGER EXHAUST INLET												
	5129956	HOUSING		1										
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)		4										
	103343	WASHER, 1/2" FLAT (12.9190)		4										
	9174753	NUT, 1/2"-20 LOCK (12.9120)		4										
		3.5300 - BRACKET, TURBOCHARGER MOUNTING												
		INCLUDES TUBE IN 3.5300 AND BRACKET WHICH IS NOT SERVICED SEPARATELY.												
#	5140612	BRACKET ASSY.												1
#	5124331	TUBE (1.06"L.) (7.1595)												1
#	5122266	GASKET (7.1597)												1
	186647	BOLT, 1/4"-20X1" (12.9001)												2
	179839	BOLT, 3/8"-16X1" (12.9001)												2
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)												1
	103319	LOCKWASHER, 1/4" (12.9200)												2
	103321	LOCKWASHER, 3/8" (12.9200)												AR
	103322	LOCKWASHER, 7/16" (12.9200)												AR
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET												
#	5109947	ADAPTOR		1										
#	5130635	ADAPTOR			1	1	1	1	1	1			1	
#	5130636	ADAPTOR			1	1	1	1	1	1			1	
#	5132798	ADAPTOR									1	1		
#	5133154	ADAPTOR									1	1		
#	5140611	ADAPTOR (TEE)												1
#	5129993	TUBE (LEFT BANK)		1										
#	5129991	TUBE (RIGHT BANK)		1										
#	5140614	TUBE (RIGHT BANK)												1
#	5140615	TUBE (LEFT BANK)												1

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 78	85	91	92	97	100	102	103	105	106	109	113
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET (CONT'D)												
#	5133237	+ TUBE ASSY.									1	1		
#	5133218	+ TUBE ASSY.									1	1		
#	5137619	CLAMP (MARMAN) (6.2085)		4										2
#	5137618	CLAMP (MARMAN) (6.1001)									2	2		
#	5146165	CLAMP (MARMAN) (6.2085)												2
#	5111227	STUD, 7/16"X1 3/4" (6.2115)		3										
#	5108715	SEAL		4										4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									14	14		
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)									8	8		
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)			8	8	8	8	8	8			8	
	271561	BOLT, 5/8"-11X1 7/8" (12.9001)									AR	AR		AR
	103321	LOCKWASHER, 3/8" (12.9200)									8	8		
	103323	LOCKWASHER, 1/2" (12.9200)			8	8	8	8	8	8			8	
	103334	LOCKWASHER, 5/8" (12.9200)									14	14		
	103026	NUT, 3/8"-24 HEX. (12.9120)		3										
	9174746	NUT, 7/16"-20 LOCK (12.9120)												
		+ OBSOLETE.												
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION												
#	5118793	GASKET	1	1										
#	5124225	GASKET		1										
#	5162886	GASKET			2	2	2	2	2	2	2	2	2	1
#	5108989	GASKET									2	2		
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION												
#	5137508	PLATE			2	2	2	2	2	2			2	
#	5130637	SUPPORT			2	2	2	2	2	2			2	
#	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)			4	4	4	4	4	4			4	
	9409079	BOLT, 3/8"-16X7/8" (12.9001)			4	4	4	4	4	4			4	
	180121	BOLT, 3/8"-16X7/8" (12.9001)				4	4							
	179839	BOLT, 3/8"-16X1" (12.9001)			4	4	4	4	4	4			4	
	5108435	WASHER, SPECIAL 3/8" (12.4010)			4	4	4	4	4	4			4	
	5108436	WASHER, 15/32"X15/16"X5/32"			4			4	4	4			4	
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5324 - ADAPTOR, TURBOCHARGER EXHAUST OUTLET												
#	5144754	OUTLET, EXHAUST (3.5417)									2	2		
#	5132650	CLAMP (6.2085)									2	2		
#	5145009	PLUG, 1/8" PIPE (12.9550)									6	6		
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5325 - GASKET, TURBOCHARGER EXHAUST OUTLET CONNECTION												
#	5130557	GASKET			2	2	2	2	2					
		# FIGS. 5A, B, C, D, E, G, H, J, K												

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 78	85	91	92	97	100	102	103	105	106	109	113
		3.5398 - BRACKET, TURBOCHARGER AIR INLET												
#	5132743	BRACKET (3.5308)									1	1		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									2	2		
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)									2	2		
	103321	LOCKWASHER, 3/8" (12.9200)									AR	AR		
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5400 - ELBOW, TURBOCHARGER AIR INLET												
#	5133155	ADAPTOR									1	1		
#	5119843	HOSE, 5 1/2"I.D.X2.26" (3.1270)									2	2		
#	5114937	CLAMP, 6" HOSE (3.1280)									4	4		
#	5128030	MANIFOLD	1											
#	5128943	COVER	1											
#	5128945	GASKET	1											
#	5128944	GASKET	1											
	186676	BOLT, 1/4"-20X5/8" (12.9001)	8											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	4											
	103319	LOCKWASHER, 1/4" (12.9200)	8											
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET												
#	5132159	TUBE ASSY. (L.B.*) (R.B.@)			1	1				1				
#	5130641	TUBE ASSY. (R.B.*) (L.B.@)			1	1				1				
#	5132598	TUBE (TURBO TO AIR INLET HSG.) (L.B.*) (R.B.@)			1	1				1				
#	5134929	TUBE (R.B.*) (L.B.@)					1	1	1				1	
#	5134930	TUBE (L.B.*) (R.B.@)					1	1	1				1	
#	5133238	TUBE (L.B.)									1	1		
#	5133230	HOUSING, AIR INLET (3.3003)									2	2		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									12	12		
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			12	12				12				
	103341	WASHER, 3/8" FLAT (12.9190)			2	2				2				
	103321	LOCKWASHER, 3/8" (12.9200)			12	12				12	12	12		
		* AMBIENT AIR INLET FROM REAR.												
		@ AMBIENT AIR INLET FROM FRONT.												
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW												
#	5123750	GASKET			2	2				2				
#	5133245	GASKET (3.1261)									2	2		
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION												
#	5140613	HOSE, 3 1/2" I.D. X2" (3.5305)												1
#	5162888	HOSE, 3 1/2" I.D.X2 3/4"			3	3	4	4	4	3	3	3	4	
#	5100014	HOSE, 4 1/2" I.D.X3" (3.5417)	1	1										

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 78	85	91	92	97	100	102	103	105	106	109	113
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION (CONT'D)												
#	9139813	CLAMP, 3 1/2" HOSE (12.9660)			6	6	8	8	8	6	6	6	8	2
#	5118393	CLAMP, 4 1/2" I.D. (12.9660)	2	2										
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY												
#	5109447	HOSE ASSY. (23.75" L.) (2.5150)		1										
#	5134090	HOSE, FLEX. (30"L.)									2	2		
#	5131803	HOSE, FLEX. (52.50"L.) (2.5050)												1
#	5110183	HOSE, FLEX. (58"L.) (2.5217)	1		1			1					1	
#	5189176	HOSE, FLEX. (64 5/16"L.) (2.5110)				2	2		2	2				
#	5133206	HOSE, FLEX. (74"L.)			1			1					1	
#	5128962	COVER, TURBO OIL INLET	1	1										
#	5128964	GASKET, COVER TO TURBO.	1	1										
#	5170466	GASKET			2	2	2	2	2	2	2	2	2	1
#	5131847	FLANGE			2	2	2	2	2	2	2	2	2	1
#	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590) (12.9390)												1
#	118755	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9390)	2	2	4	4	4	4	4	4			4	
#	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)									4	4		1
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	4	4	4	4	4	4	4	4	4	2
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5502 - CLIP, OIL SUPPLY TUBE												
#	3290076	CLIP, 5/8" TUBE, 3/8" BOLT (4.8040)	3											
#	5168001	CLIP, 1/2" (12.4095)										3		
#	5151108	CLIP, 1/2" (12.4095)												2
#	3291251	CLIP, 5/8" TUBE, 1/2" BOLT (1.1060)			1	1	1	1	1	1			1	
#	5100364	CLIP, 5/8" TUBE 3/8" BOLT (2.5070)			4	4	4	4	4	4			4	
#	5182993	BRACKET, CLIP (7.4525)						1					1	
	5114551	TAG, CABLE (7.4545)			2	2	2	2	2	2			2	
#	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)			2	2	2	2	2	2			2	
#	5159347	SPACER (3/4"X1/2") (7.1581)						1					1	
	123435	BOLT, 1/4"-28X5/8" (12.9001)						1					1	
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)					2	3	2	2			3	
	186678	BOLT, 3/8"-16X1" (12.9001)	1											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1		1	1				
	9414523	BOLT, 7/16"-14X1" LOCK (12.9001)						1					1	
	5131433	WASHER, SPECIAL (.41"X.81"X.1345) (1.5001)			AR	AR	AR	AR	AR	AR			AR	
	5125608	WASHER (15/32"X3/4"X1/8") (1.3112)						1					1	
	120392	WASHER, 1/4" FLAT (12.9001)						1					1	
	103341	WASHER, 3/8" PLAIN (12.9190)	1											
	120380	LOCKWASHER, 1/4" (12.9200)						1					1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 78	85	91	92	97	100	102	103	105	106	109	113
		3.5502 - CLIP, OIL SUPPLY TUBE (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)	AR											
	121902	NUT, 1/4"-28 HEX. (12.9120)						1					1	
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5505 - TUBE, TURBOCHARGER OIL RETURN												
▪	5133677	# TUBE (DEV. L. 5.35")									1	1		
▪	5133988	# TUBE (DEV. L. 5.52")										1		
▪	5140616	TUBE (DEV. L. 5.94")												1
▪	5132673	TUBE (DEV. L. 46.88")			1			1					1	
▪	5133156	TUBE (DEV. L. 48.14")				1	1							
▪	5133220	TUBE (DEV. L. 50.80")				1	1		1	1				
▪	5132694	TUBE (DEV. L. 51.20")			1			1					1	
▪	5135861	# TUBE (DEV. L. 53.40")							1	1				
▪	5130653	TUBE ASSY. (AT OIL PAN)	1											
▪	5130597	TUBE ASSY.		1										
▪	5131292	TUBE ASSY. (AT TURBO)	1											
▪	5123901	* HOSE (1.50" L.) (5128120)												1
▪	5130627	HOSE (1 1/8"X4 5/16" L.)		1										
▪	5131555	# HOSE (5.75" L.)									1	1		
▪	5126052	HOSE (10.50" L.) (12.4375)									1	1		
▪	5130642	HOSE (20" L.)	1											
▪	5132904	FLANGE			2	2	2	2	2	2			2	
▪	5170468	GASKET			2	2	2	2	2	2	2	2	2	1
▪	3291975	GASKET, FLANGE	1	1										
▪	5133709	# COVER ASSY. (1.5030)									1	1		
▪	5130629	COVER ASSY.		1										
▪	5186840	CLAMP, HOSE 1" (12.9660)	2	2							4	4		2
▪	5121182	PLUG, 1/4" PIPE (12.9550)			1									
▪	141621	ELBOW, 3/4"-90 DEG. STREET (12.9550)			1	1	1	1	1	1			1	
▪	5138308	@ CONNECTOR ASSY., 3/4" TUBE SEALASTIC (12.9415)			4	4	4		4	4			2	
▪	5176528	SEAL RING, 3/4" TUBE SEALASTIC (12.9435)			4	4	4	4	4	2			2	
	179839	BOLT, 3/8"-16X1" (12.9001)									4	4		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2										2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			4	4	4	4	4	4			4	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED; STANDARD LENGTH HOSE SHOWN IN PARENTHESES WILL BE PROVIDED.												
		@ INCLUDES SEAL RING IN 3.5505 PLUS NUT NOT SOLD SEPARATELY.												
		# OBSOLETE												
		+ FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE												
#	5151189	CLIP (4.8040)			2	2	2	2	2	2			2	
#	5132693	BRACKET, CLIP (3.5502)			1	1	1	1	1	1			1	
	5160629	SPACER (13/32"X7/32") (4.2270)			1			1					1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 78	85	91	92	97	100	102	103	105	106	109	113
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE (CONT'D)												
#	5175705	SPACER (8.3826)				1	1		1	1				
#	455971	BOLT, 5/16"-18X5 1/2" (12.9001)				1	1							
#	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			1			1					1	
#	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			1	1	1		1	1				
#	181361	BOLT, 3/8"-24X7/8" (12.9001)			1	1	1	1	1	1			1	
	103320	LOCKWASHER, 5/16" (12.9200)				1								
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR	AR	AR	AR			AR	
	117049	NUT, 3/8"-24 HEX. (12.9120)			AR	AR	AR	AR	AR	AR			AR	
	5121887	NUT, 3/8"-24 (SEIZPROOF)			1			1					1	
		# FIGS. 5A, B, C, D, E, G, H, J, K												
		3.5700 - CONTROLLER, TURBOCHARGER PRESSURE RATIO												
	5109732	* CONTROLLER ASSY. (AIRESEARCH #47036)	1	1										
	186612	BOLT, 3/8"-16X1 3/8" HEX. HD. (12.9001)	4	4										
	103321	LOCKWASHER, 3/8" (12.9200)	4	4										
		* SOLD BY DETROIT DIESEL ONLY AS A COMPLETE ASSY.												
		3.5705 - GASKET, TURBOCHARGER PRESSURE RATIO CONTROLLER												
	5109635	GASKET	1	1										
		3.5710 - BASE, TURBOCHARGER RATIO CONTROLLER												
	5109527	BASE	1	1										
	186612	BOLT, 3/8"-16X1 3/8" HEX. HD. (12.9001)	4	4										
	103321	LOCKWASHER, 3/8" (12.9200)	4	4										
		3.5715 - GASKET, TURBOCHARGER PRESSURE RATIO CONTROLLER BASE												
	5162747	GASKET	1	1										
		3.5720 - TUBE, TURBOCHARGER TO CONTROLLER AIR												
	5117379	HOSE (FLEX.)	1	1										
	5130025	FLANGE (AT CONTROLLER)	1	1										
	5130026	GASKET	1	1										

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 78	85	91	92	97	100	102	103	105	106	109	113
		3.5720 - TUBE, TURBOCHARGER TO CONTROLLER AIR (CONT'D)												
	5125884	ELBOW, 3/8"-90 DEG. (2.5150)	1											
	5117567	CONNECTOR, 5/8"-18X3/8" PIPE		1										
	179819	BOLT, 5/16"-18X1 1/8" HEX. HD. (12.9001)	2	2										
	103320	LOCKWASHER, 5/16" (12.9200)	2	2										
	120375	NUT, 5/16"-18 HEX. (12.9120)	2	2										
		3.5725 - TUBE, AIR INLET HOUSING TO CONTROLLER												
	2194792	HOSE, 5/16"X8 27/32"L. (FLEX.) (2.5150)	1											
	2300974	HOSE (FLEX.)		1										
	5130028	FLANGE (AT CONTROLLER)	1	1										
	5130027	GASKET	1	1										
	5125884	ELBOW, 3/8"-90 DEG. (2.5150)	1	2										
	5117567	CONNECTOR, 5/8"-18X3/8" PIPE (3.5720)	1											
	179819	BOLT, 5/16"-18X1 1/8" HEX. HD. (12.9001)	2	2										
	103320	LOCKWASHER, 5/16" (12.9200)	2	2										
	120376	NUT, 5/16"-18 HEX. (12.9120)	2	2										

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 115	124	125	126	128	129	130	134	135	136	137	138
	3.5001 - TURBOCHARGER													
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
5B	**5132782**	TURBOCHARGER ASSY. (T-1865) (16V) (PAGE A1)		1					1					
5B	**5135443**	TURBOCHARGER ASSY. (T-1865) (16V) (PAGE A1)		1					1					
5B	**5133974**	TURBOCHARGER ASSY. (T-1805) (12V) (PAGE B1)	2											
5B	**5143099**	TURBOCHARGER ASSY. (T-19A50) (12V) (PAGE B1)			2									
5B	**5130492**	TURBOCHARGER ASSY. (T-3034) (12V) (PAGE B1)				1								
5B	**5130493**	TURBOCHARGER ASSY. (T-3034) (12V) (PAGE B1)				1								
5A	**5142193**	TURBOCHARGER ASSY. (T-18A40) (12V) (PAGE B1)					2	2						
	5140028	# TURBOCHARGER ASSY. (TH0863) (8V) (PAGE B1)								2				
5A	**5141676**	* TURBOCHARGER ASSY. (T-18A40) (8V) (PAGE B1) (5103840)									1			
5A	**5141854**	* TURBOCHARGER ASSY. (T-18A40) (12V) (PAGE C1) (5103838)										2		
	5133958	TURBOCHARGER ASSY. (T-1805) (12V) (PAGE B1)											2	2
	5133959	TURBOCHARGER ASSY. (T-1805) (12V) (PAGE B1)											2	1
	5120383	FLANGE				1								
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)	8	8										
	3291975	GASKET, FLANGE				1								
	5123818	CLIP, LOCKING				4								
	5121886	STUD, 3/8"-16X1 13/16"				8								
	5128641	STUD, 3/8"-16-24X1 1/2" (1.7600)									4			
	5135154	STUD, 3/8"-24-24X2.06" (3.5002)											4	2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				2								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				16								
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)								4				
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)								8				
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)										8	12	2
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)	8											4
	100030	BOLT, 3/8"-24X2" (12.9001)		4					4					
	5131433	WASHER, SPECIAL (1.5001)									4			
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR				AR				
	117049	LOCKWASHER, 3/8" (12.9200)	8											
	102635	NUT, 3/8"-16 HEX. (12.9120)								8				
	117212	NUT, 3/8"-24 HEX. (12.9140)					2	2						
	5121887	NUT, 3/8"-24 (SEIZPROOF)		8		8	8	8	8		4	8		8
	9411981	NUT, 3/8 -24 (SEIZPROOF) (12.9120)											16	
		# NOT SERVICED, USE 5143110 AND (2)												

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 115	124	125	126	128	129	130	134	135	136	137	138
		3.5001 - TURBOCHARGER (CONT'D)												
		5143953, (1) 5143954, (3) 5144041 AND (6) 5180836.												
		* NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES												
		3.5002 - BRACKET, TURBOCHARGER SUPPORT												
	5133875	BRACKET	1											
	5124249	BRACKET				2								
	5133855	SUPPORT	1											
	5125196	SUPPORT (R.H.)				1								
	5124248	+ SUPPORT (L.H.)				1								
	5143928	SUPPORT (R.H.)										1		
	5143929	SUPPORT (L.H.)										1		
	5181349	SPACER, 3/8"I.D.X5/8" THICK				8								
	5164294	SPACER, 13/32"I.D.X7/8"X1/8" (7.1581)	8											
	180121	BOLT, 3/8"-16X7/8" (12.9001)										2		
	179839	BOLT, 3/8"-16X1" (12.9001)				4								
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	4									4		
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)				8								
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)	2											
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)										4		
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)				4								
	103341	WASHER, 3/8" FLAT (12.9190)				AR								
	5164294	WASHER, 3/8"I.D.X1/8" THICK (7.1581)				16								
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR						AR		
	103322	LOCKWASHER, 7/16" (12.9200)										4		
	102635	NUT, 3/8"-16 HEX. (12.9120)				8								
	117049	NUT, 3/8"-24 HEX. (12.9120)	2											
		+ OBSOLETE.												
		3.5300 - BRACKET, TURBOCHARGER MOUNTING												
		INCLUDES TUBE IN 3.5300 AND BRACKET WHICH IS NOT SERVICED SEPARATELY.												
	5133963	BRACKET	1											
	5134237	BRACKET											2	2
	5134238	BRACKET											2	2
	5140612	BRACKET ASSY.									1			
	5124331	TUBE (1.06"L.) (7.1595)									1			
	5122266	GASKET (7.1597)									1			
	5117332	GASKET (1.2090)										2	4	4
	186647	BOLT, 1/4"-20X1" (12.9001)									2			
	179838	BOLT, 3/8"-16X7/8" (12.9001)											4	4

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 115	124	125	126	128	129	130	134	135	136	137	138
		3.5300 - BRACKET, TURBOCHARGER MOUNTING (CONT'D)												
	179839	BOLT, 3/8"-16X1" (12.9001)									2			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											8	2
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)									1		8	4
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	3											
	103319	LOCKWASHER, 1/4" (12.9200)									2			
	103321	LOCKWASHER, 3/8" (12.9200)									AR		AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)									AR		AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)	AR											
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET												
5B	5130635	ADAPTOR		1					1					
5B	5130636	ADAPTOR	1											
	5143014	ADAPTOR			1									
	5143015	ADAPTOR			1									
5B	5130339	ADAPTOR				1								1
5B	5123867	ADAPTOR				2								
5B	5141876	ADAPTOR					2	2						
5B	5130636	ADAPTOR							1					
5B	5141610	ADAPTOR								2				
5B	5143106	ADAPTOR									1			
5B	5143923	ADAPTOR										2		
	5130339	ADAPTOR										1	2	
	5134226	* ADAPTOR											4	
	5144935	* ADAPTOR												2
	5140614	TUBE (RIGHT BANK)									1			
	5140615	TUBE (LEFT BANK)									1			
	5133868	* TUBE (DEV. L. 12.80")	1											
	5133901	* TUBE (DEV. L. 14.00")	1											
	5137619	CLAMP (MARMAN) (6.2085)									2			
	5146165	CLAMP (MARMAN) (6.2085)	2								2			
	5146164	CLAMP			2									
	5141629	SPACER (3.5315)								1				
	5144598	STUD, 1/2"-20X2.24" (12.9117)			8									
	5128641	STUD, 3/8 -16-24X1 1/2 (1.7600)									4			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				8								
	138243	BOLT, 3/8"-16X1 1/4" (12.9001)				4						4	8	4
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)										8		8
5B	271561	BOLT, 5/8"-11X1 7/8" (12.9001)		8					8					
	5131433	WASHER, SPECIAL (.41"X.81"X.1345") (1.5001)									4			
	103321	LOCKWASHER, 3/8" (12.9200)				AR				AR		AR	AR	
5B	103334	LOCKWASHER, 5/8" (12.9200)		8					8					
	117212	NUT, 3/8"-24 HEX. (12.9120)					2	2						
	9411981	NUT, 3/8"-24 (SEIZPROOF)									4			
	9415992	NUT, 1/2"-20 (6.1001)			8									

* OBSOLETE

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 115	124	125	126	128	129	130	134	135	136	137	138
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION												
	5100770	GASKET	2	2		2	2	2	2	2	1	2	4	2
	5108989	GASKET			2									
	5101809	GASKET (6.2015)				3						3	6	3
	5116895	GASKET				2								
	5142225	GASKET					2	2						
	5101914	GASKET								2				
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION												
	5137508	PLATE		2					2					
	5130637	SUPPORT		2					2					
	5143983	BRACE												1
	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)		4					4					
	5130179	SPACER, 3/4"X.40"X.18"												4
	9409079	BOLT, 3/8"-16X7/8" (12.9001)		4					4					
	179839	BOLT, 3/8"-16X1" (12.9001)		4					4					
	5108435	WASHER, SPECIAL 3/8" (12.4010)		4					4					
	5108436	WASHER, 15/32"X15/16"X5/32"		4					4					
		3.5324 - ADAPTOR, TURBOCHARGER EXHAUST OUTLET												
	5132650	CLAMP (6.2085)										2		
		3.5325 - GASKET, TURBOCHARGER EXHAUST OUTLET												
	5148029	GASKET (6.2105)		2					2					
	5119917	GASKET				2								
	5142225	GASKET					2							
		3.5398 - BRACKET, TURBOCHARGER AIR INLET												
	5143926	BRACKET										1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)										1		
	103341	WASHER, 3/8" FLAT (12.9190)										1		
	103321	LOCKWASHER, 3/8" (12.9200)										AR		
	102635	NUT, 3/8"-16 HEX. (12.9120)										1		
		3.5400 - ELBOW, TURBOCHARGER AIR INLET												
	5131162	CLAMP										1		

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 115	124	125	126	128	129	130	134	135	136	137	138
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET												
5B	5134929	TUBE (R.B.*) (L.B.@)		1					1					
5B	5134930	TUBE (L.B.*) (R.B.@)		1					1					
5B	5134059	TUBE	2											
5B	5143208	TUBE (R.B.)			1									
5B	5143207	TUBE (L.B.)			1									
5B	5130333	TUBE (R.B.)				1								
5B	5130332	TUBE (L.B.)				1								
	5142959	TUBE (L.B.)					1							
	5142771	TUBE (R.B.)						1						
	5142293	# TUBE (L.B.)						1						
	5142481	# TUBE (L.B.) (3.5428)								1				
5B	5143927	TUBE (L.B.)										1		
	5134095	# TUBE (L.B.)											2	1
5B	5133230	+ ELBOW			1		1	1				1	2	1
	5100799	ELBOW			1									
	5142906	TUBE					1							
	5141487	# ADAPTOR								2				
5B	5143832	ELBOW										1		
	5134163	ELBOW											2	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1							12	24	12
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			11		12	12						
	103321	LOCKWASHER, 3/8" (12.9200)			12		12	12				12	12	12
		* AMBIENT AIR INLET FROM REAR.												
		@ AMBIENT AIR INLET FROM FRONT.												
		# OBSOLETE.												
		+ NOT SERVICED, USE 5100798 PLUS (11 5145009).												
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW												
	5133245	GASKET (3.1261)			2			2				2	4	2
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION												
5B	5162888	HOSE, 3 1/2"I.D.X2 3/4"					3	3	4	3	1	3	8	4
5B	5128633	HOSE, 4 1/2"I.D.X3" (3.4350)				4								
	5147912	CLAMP, 3 3/8" T-BOLT,.75" W.					6	6			2			8
	5113246	CLAMP, 4 1/4" I.D. (12.9660)								6				
5B	9139813	CLAMP, 3 1/2" HOSE (12.9660)	8	8	8				8			6	16	
		3.5421 - HOUSING, INTERCOOLER TO AIR INLET												
	5141488	HOUSING, INTERCOOLER OUTLET (3.5421)								1				
	179839	BOLT, 3/8"-16X1" (12.9001)								20				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)								20				
	103321	LOCKWASHER, 3/8" (12.9200)								40				
	102635	NUT, 3/8"-16 HEX. (12.9120)								40				

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 115	124	125	126	128	129	130	134	135	136	137	138
		3.5425 - INTERCOOLER, TURBOCHARGER												
	5124107	INTERCOOLER ASSY. (FRONT)				1						1	2	1
	5124267	INTERCOOLER ASSY. (REAR)				1								
	8542182	*INTERCOOLER ASSY.*								2				
	5134510	INTERCOOLER ASSY. (REAR)										1	2	1
	5103515	GASKET (3.4025)				2								
	5149433	+ GASKET				2						2	4	2
	8924967	+ * GASKET				4						4	8	4
	5142599	GASKET (3.5418)								4				
	5147423	GASKET (3.5418)										2		2
	5117251	* GASKET (3.5418)											4	
		* OBSOLETE, NO REPLACEMENT.												
		+ PART OF 5124107 INTERCOOLER ASSEMBLY.												
		3.5426 - BRACKET, INTERCOOLER MOUNTING												
	5141619	SUPPORT								1				
	5143661	BRACE, TURBOCHARGER ADAPTOR								1				
	5143773	BRACE, TURBOCHARGER ADAPTOR								1				
	180120	BOLT, 3/8"-16X3/4" (12.9001)								2				
	179839	BOLT, 3/8"-16X1" (12.9001)								4				
	179858	BOLT, 7/16"-14X1" (12.9001)								4				
	103321	LOCKWASHER, 3/8" (12.9200)								6				
	103322	LOCKWASHER, 7/16" (12.9200)								4				
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY												
5B	**5131375**	HOSE, FLEX. (28"L.) (2.5210)	1		1									
	5134531	* HOSE, FLEX. (27"L.)	1											
5B	**5109567**	HOSE, FLEX. (27"L.) (R.B.) (2.5149)				1								
5B	**5134090**	HOSE, FLEX. (30"L.)			1									
	5140399	HOSE, FLEX. (33"L.) (2.5050)								2				
	5131251	HOSE, FLEX. (34"L.) (2.5110)				1							2	1
	5109448	HOSE, FLEX. (37 1/2"L.) (2.5149)											2	1
	5131575	HOSE, FLEX. (39 1/4"L.) (7.8300)										2		
	5137131	HOSE, FLEX. (47"L.) (2.5149)					2	2						
	5135981	HOSE, FLEX. (47.50"L.)	1											
5B	**5131803**	HOSE, FLEX. (52.50"L.) (2.5050)									1			
5B	**5189176**	HOSE, FLEX. (64 5/16"L.) (2.5110)		2					2					
	5128962	COVER, TURBO OIL INLET				2								
	2194793	CONNECTOR, 5/16" PIPE X 5/16" FL. TUBE (2.5149)				1								
	9432264	CONNECTOR, 5/16" TUBE, 1/4" PIPE (12.9460)								2				
	442323	CONNECTOR, 3/8"-1/4"P.T. (INV. FL. TUBE) (12.9460)			2		2	2				2		
	2191465	TEE, 1/8"INT. X1/4" EXT. PIPE (7.8295)				1						1		
	5177752	TEE, 1/8" INT.X1/4" EXT. PIPE (2.7890)								1				
	444148	TEE, 1/4"-18 PIPE (12.9616)								1				

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 115	124	125	126	128	129	130	134	135	136	137	138
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY (CONT'D)												
	444134	TEE, 1/4"-18 INV. FL. TUBE (12.9490)									1			
	5128964	GASKET, COVER TO TURBO.				2								
	5170466	GASKET	2	2	2		2	2	2	1	1	2	4	2
	5131847	FLANGE	2	2	2		2	2	2	1	1	2	4	
	444000	ADAPTOR, PIPE 1/4"-18 (12.9460)											2	1
5B	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)									1			
	2011306	ELBOW, 1/4"-45 DEG. STREET (12.9590)											4	
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	3							1				
	143337	ELBOW, 5/16"-45 DEG. TUBE (12.9480)								1				
5B	118755	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9390)		4		3			4				8	
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			2		2	2			1	2		
	118755	ELBOW, 3/8"-90 DEG. FLARED TUBE (12.9390)												4
	2011306	ELBOW, 1/4"-45 DEG. STREET (12.9590)												2
	225815	ELBOW, INVERTED 90 DEG. (12.9480)								2				
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)	1											
	180121	BOLT, 3/8"-16X7/8" (12.9001)				4								
	179839	BOLT, 3/8"-16X1" (12.9001)	4	4	4		4	4	4	2	2	4	8	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			4									
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED; CUSTOMER TO FABRICATE. REFER TO 12.8000B												
		3.5502 - CLIP, OIL SUPPLY TUBE												
	3290076	CLIP, 5/8" TUBE, 3/8" BOLT (4.8040)				1								
	5151108	CLIP, 1/2" (12.4095)									3			
	5153473	CLIP, 1/2" (4.6040)	3		1					2				
	3291251	CLIP, 5/8" TUBE, 1/2" BOLT (1.1060)		1	1				1					
	5100364	CLIP, 5/8" TUBE 3/8" BOLT (2.5070)		4				2	4					
	5171509	CLIP, 5/8" (9.1591)					2	3						
	5184291	CLIP, 1 1/4" (8.3820)					2	3						
	5159393	BRACKET, CLIP (4.1575)	1											
	5155464	BRACKET, CLIP (7.1582)				1								
	5114551	TAG (7.4545)		2					2					2
	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)		2					2					
	5160629	SPACER (13/32"X7/32") (4.2270)								1				
	179816	BOLT, 5/16"-18X3/4" (12.9001)	1											
	180120	BOLT, 3/8"-16X3/4" (12.9001)						3						
	180121	BOLT, 3/8"-16X7/8" CAD. (12.9001)					2							
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)		2						2				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1						1				
	106284	BOLT, 3/8"-24X5/8" (12.9001)				2								
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)								1				

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 115	124	125	126	128	129	130	134	135	136	137	138
		3.5502 - CLIP, OIL SUPPLY TUBE (CONT'D)												
	5131433	WASHER, SPECIAL (.41"X.81"X.1345) (1.5001)		AR					AR					
	446200	WASHER, 3/8"X3/4" (12.9001)						3						
	103320	LOCKWASHER, 5/16" (12.9200)	1											
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR	AR						
	120376	NUT, 5/16"-18 HEX. (12.9120)	1											
	102635	NUT, 3/8"-16 HEX. (12.9120)					2	3						
	117049	NUT, 3/8"-24 HEX. (12.9120)				2								
		3.5505 - TUBE, TURBOCHARGER OIL RETURN												
5B	5143856	TUBE (DEV. L. 3.44")			2									
5B	5143869	TUBE (DEV. L. 3.74")			3									
5B	5135873	# TUBE (DEV. L. 5.02")	1											
5B	5141632	TUBE (DEV. L. 5.44")								1				
5B	5135993	# TUBE (DEV. L. 5.84")	1											
5B	5142329	TUBE (DEV. L. 7.38")								1				
5B	5143097	+ TUBE (DEV. L. 7.58") (5106998)									1			
5B	5134496	TUBE (DEV. L. 7.80")	1											
5B	5134498	TUBE (DEV. L. 11.90")	1											
5B	5144347	TUBE (DEV. L. 12.96")										1		
5B	5143166	TUBE (DEV. L. 43.25")		1										
5B	5143167	# TUBE (DEV. L. 44.40")		1										
5B	5143521	TUBE (DEV. L. 51.62")							1					
5B	5135861	# TUBE (DEV. L. 53.40")							1					
	5123901	* HOSE (1.50"L.) (5128120)									1			
	5134529	# HOSE (1 1/8"I.D.X2"L.)	2											
	5109927	* HOSE (27"L.) (5138542)								2				
	5115764	HOSE (24 3/4"L.)										1		
	5133328	HOSE (32"L.)					2							
	5143298	HOSE (40"L.)						1						
	5143299	HOSE (42"L.)						1						
	5115763	HOSE (42 1/2" L.)				1							2	1
	5115749	HOSE, 7/8"X36 3/4" L. (RIGHT BANK)				1						1	2	1
	5131375	HOSE, 5/16"I.D.X27 1/2"L.			1									
	5134090	HOSE, 5/16"I.D.X30"L.			1									
	5143618	HOSE, 7/8"I.D.X31"L.			2									
	5132904	FLANGE	1	2					2				4	2
	5143074	FLANGE					2	2				1		
	5120383	FLANGE, 3/4" PIPE				2								
	5170468	GASKET	3	2	4		2	2	2		1	1	4	2
	5123123	GASKET (7.4455)	1											
	3291975	GASKET, FLANGE				2								
	5168176	GASKET				2	1	2					4	2
	5138977	GASKET								2				
	5125256	COVER, OIL PAN				2	1	2				2	4	2
	9139801	CLAMP, HOSE 5/8" (12.9660)								2				

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 115	124	125	126	128	129	130	134	135	136	137	138
		3.5505 - TUBE, TURBOCHARGER OIL RETURN (CONT'D)												
	5186840	CLAMP, HOSE 1" (12.9660)	4								2			
	5114551	TAG (7.4545)											1	
	5142549	PLUG, 3/4" PIPE (12.9550)	1											
	193004	ELBOW, 3/8"X1/4"-18-90 DEG. (BRASS)			2									
	140798	ELBOW, 3/4" PIPE-45 DEG. STREET (12.9590)				3	1	2		1		2	8	4
	141621	ELBOW, 3/4" -90 DEG. STREET (12.9550)							1	1				
	119097	ELBOW, 3/4"-90 DEG. PIPE (12.9550)		2										
	137407	CONNECTOR, 3/8" TUBE X 1/4" (12.9460)			2									
	5138308	@ CONNECTOR ASSY., 3/4" TUBE SEALASTIC (12.9415)							4					
	5125906	CONNECTOR, 3/4" PIPE X 1" FL. TUBE				4	1	2					3	6
	5183079	CONNECTOR, 1 5/16"X1" PIPE X1" FL. TUBE					1							
	5176528	SEAL RING, 3/4" TUBE SEALASTIC (12.9435)							4					
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)		2										
	128003	BUSHING, 1"X3/4" RED. (12.9570)								2				
	5121190	FITTING, HOSE 3/4" EXT. PIPE								2				
	186629	BOLT, 5/16"-18X1" (12.9001)	2											
	180121	BOLT, 3/8"-16X7/8" (12.9001)			4						2			
	179839	BOLT, 3/8"-16X1" (12.9001)	4			4	6	8		4				
	186678	BOLT, 3/8"-16X1" (12.9001)											8	4
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2	4		4			4			4	8	4
	103320	LOCKWASHER, 5/16" (12.9200)	2											
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED; STANDARD LENGTH HOSE SHOWN IN PARENTHESES WILL BE PROVIDED.												
		@ INCLUDES SEAL RING IN 3.5505 PLUS NUT NOT SOLD SEPARATELY												
		# OBSOLETE.												
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.												
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE												
5B	5151189	CLIP (4.8040)		2					2					
	5147599	CLIP #6 (2.5120)									2			
	5153473	CLIP, 1/2" (4.6040)			1									
	3291251	CLIP, 5/8" (1.1060)			1							2		
	5184291	CLIP, 1 1/4" (8.3820)				4		2				1	4	2
5B	5132693	BRACKET, CLIP (3.5502)							1					
	5176400	BRACKET, CLIP (4.8010)		2										
	5188248	BRACKET, CLIP (7.1606)										1		
	5175705	SPACER (8.3826)							1					
	9139801	CLAMP, 5/8" HOSE (12.9660)			4									
	179839	BOLT, 3/8"-16X1" (12.9001)						1				1		

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 115	124	125	126	128	129	130	134	135	136	137	138
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE (CONT'D)												
5B	**179848**	BOLT, 3/8"-16X2 1/4" (12.9001)							1					
	106284	BOLT, 3/8"-24X5/8" (12.9001)				1								
5B	**181361**	BOLT, 3/8"-24X7/8" (12.9001)		2					1					
	103341	WASHER, 3/8" (12.9190)						1						
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR		AR	AR			AR		
	102635	NUT, 3/8"-16 HEX. (12.9120)										1		
	117049	NUT, 3/8"-24 HEX. (12.9120)		AR		1								
		3.5535 - INSULATION BLANKET, TURBOCHARGER												
	5119559	INSULATION BLANKET				2								
	5144091	+ INSULATION BLANKET (5101644)								2				
	5144092	INSULATION BLANKET								2				
	5144640	INSULATION BLANKET										2		
	5144639	INSULATION BLANKET										2		
	5132577	INSULATION BLANKET											4	2
	5135412	INSULATION BLANKET											4	2

+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 142	143	144	145	147	149	150	151	156	157	158	159
		3.5001 - TURBOCHARGER												
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
5A	**5142193**	TURBOCHARGER ASSY. (T18A40) (6-12V) (PAGE B1)	2										1	
5A	**5143110**	TURBOCHARGER ASSY. (TH08A) (8V) (PAGE B1)		2										
5A	**5141676**	* TURBOCHARGER ASSY. (T18A40) (8-16V) (PAGE B1)			1					1	2	2		2
5A	**5103838**	TURBOCHARGER ASSY. (T18A40) (PAGE C1) (8-12-16V)				2			2					
5A	**5143099**	TURBOCHARGER ASSY. (T19A40) (12V) (PAGE B1)					2							
5A	**5145028**	TURBOCHARGER ASSY. (T19A40) (8V) (PAGE B1)						1						
	5150362	STUD, 3/8"-16X1 11/16" (5.2020)			4									
	5130488	STUD, 3/8"-16X24X1.88" (5.2020)								4			4	
	181377	BOLT, 3/8"-16X1 3/4" (12.9001)		8										
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)				8			8		8	8		8
	5131433	WASHER, (1.5001)			4					4			4	
	9411981	NUT, 3/8 -24 (SEIZEPROOF) (12.9120)		8	4	8			8	4	8	8	4	8
		* NOT SERVICED, SUPERSEDED BY 5103840.												
		3.5002 - BRACKET, TURBOCHARGER SUPPORT												
	5143664	BRACKET (L.H.)	1											
	5143666	BRACKET (UPPER R.H.)	1											
	5143667	BRACKET (LOWER R.H.)	1											
	5189440	SPACER, 13/32"I.D.X15/32" (2.8756)	3											
	5195500	SPACER, 13/32"I.D.X.624"O.D.X.380" (12.4050)	3											
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	3											
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	3											
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	1											
	186317	BOLT, 3/8"-24X5" (12.9001)	3											
	5132147	WASHER, 13/32"X1.06"X.20" SPECIAL (3.4030)	14											
	103321	LOCKWASHER, 3/8" (12.9200)	AR											
	102635	NUT, 3/8"-16 HEX. (12.9120)	3											
		3.5300 - BRACKET, TURBOCHARGER MOUNTING												
		AN ASSY. INCLUDES TUBE IN 3.5300 AND BRACKET WHICH IS NOT SERVICED SEPARATELY.												
	5140612	BRACKET ASSY.			1					1			1	
	5124331	TUBE (1.06" L.) (7.1595)			1					1			1	
	5143928	SUPPORT (R.H.)				1			1					
	5143929	SUPPORT (L.H.)				1			1					
	5122266	GASKET (7.1597)			1					1			1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 142	143	144	145	147	149	150	151	156	157	158	159
		3.5300 - BRACKET, TURBOCHARGER MOUNTING (CONT'D)												
	5117332	GASKET (1.2090)				2			2					
	186647	BOLT, 1/4"-20X1" (12.9001)			2					2			2	
	179838	BOLT, 3/8"-16X7/8" (12.9001)				2			2					
	179839	BOLT, 3/8"-16X1" (12.9001)			2					2			2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				4			4					
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)			1	4			4	1			1	
	120380	LOCKWASHER, 1/4" (12.9200)			2					2			2	
	103321	LOCKWASHER, 3/8" (12.9200)			2	4			4	2			2	
	103322	LOCKWASHER, 7/16" (12.9200)			1	4			4	1			1	
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET												
5B	5132798	ADAPTOR	1											
5B	5133154	ADAPTOR	1											
	5141610	ADAPTOR		2										
5B	5143106	ADAPTOR			1								1	
5B	5143923	ADAPTOR				2								
5B	5130339	ADAPTOR				1								
5B	5143014	ADAPTOR					1							
5B	5144123	ADAPTOR					1							
5B	5144935	ADAPTOR							2					
5B	5143567	ADAPTOR									1	1		1
5B	5143568	ADAPTOR (30 DEG. ELBOW)									1	1		1
	5143705	TUBE ASSY. (RIGHT BANK)	1											
	5143692	TUBE ASSY. (LEFT BANK)	1											
	5140614	TUBE (R.B.)			1					1				
	5140615	TUBE (L.B.)			1					1				
	5144497	TUBE (CROSSOVER)						1						
	5145970	TUBE (R.B.)											1	
	5145971	TUBE (L.B.)											1	
5B	5162888	HOSE (3 1/2"I.D.X2 3/4"L.) (3.5420)			1									
	5137618	CLAMP (MARMAN) (6.1001)	2											
	5132650	CLAMP (MARMAN) (6.2085)		2		2			2					
	5146165	CLAMP (3 3/4" DIA.) (6.2085)			2			3		2			4	
	5137619	CLAMP (4 1/2" DIA.) (6.2085)			2					2				
	5146164	CLAMP (4 3/4" DIA.)					2	1						
	5141629	FLANGE (3.5315)		1										
	5128641	STUD, 3/8"-16-24X1 1/2" (1.7600)								4				
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)											8	
	5150362	STUD, 3/8"-16-24X1 11/16" (5.2020)			4									
	5112899	STUD, 7/16"-14X2 3/32" (6.1020)						2						
	5144598	STUD, 1/2"-13X20X1 15/16" (12.9117)	8				8							
	5129111	STUD, 5/8"-11X2.60" (1.5001)									8	8		
	5148461	SEAL			2			3		2				
	5108715	SEAL			2					2				
	5137188	TEE						1						

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 142	143	144	145	147	149	150	151	156	157	158	159
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET (CONT'D)												
	5143106	TEE								1				
	5174085	SPACER, 15/32"I.D.X3/8" (2.7960)						2						
	138243	BOLT, 3/8"-16X1 1/4" (12.9027)				4		4						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)		8		8			8					
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	14											
	5131433	WASHER, (1.5001)			4					4			4	
	103342	WASHER, 7/16" (12.9190)						2						
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR			AR					
	9411981	NUT, 3/8"-24 (12.9120)	14	8	4					4			4	
	9174746	NUT, 7/16"-20 LOCK (12.9120)						2			2	2		
	9415992	NUT, 1/2"-20 (12.9120)	8				8							
	5103952	NUT, 5/8"-18									8	8		8
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION												
	5100770	GASKET	2		1				2	1	2	2	1	2
	5108989	GASKET (6.2105)	2				2							
	5101914	GASKET		3										
	5101809	GASKET				3			2					
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION												
	5102277	SUPPORT									2	2		2
	5143484	PLATE, BOLT LOCKING									4	4		4
	5132705	* STUD, 7/16"-14-20X1.38" (1.3160)									2	2		2
	5143483	SPACER									8	8		8
	179838	BOLT, 3/8"-16X7/8" (12.9001)									4	4		4
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)									4	4		4
	9174746	NUT, 7/16"-20 LOCK (12.9120)												2
		* NOT SERVICED. USE 8921935 BOLT AND 103322 L/W.												
		3.5398 - BRACKET, TURBOCHARGER AIR INLET												
	5144850	BRACKET	1											
	5195500	SPACER, 13/32"X.624"X.380" (12.4050)	2											
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2											
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2											
	103341	WASHER, 3/8" (12.9190)	AR											
	103321	LOCKWASHER, 3/8" (12.9200)	AR											

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 142	143	144	145	147	149	150	151	156	157	158	159
		3.5400 - ELBOW, TURBOCHARGER AIR INLET												
	5133155	ADAPTOR	1											
	5116939	* HOSE (5 1/2"I.D.X3.50"L.) (5108270) (3.1270)	1											
	5144014	* HOSE (5 1/2"I.D.X4"L.) (5108270)	1											
	5114937	CLAMP, 6" HOSE (3.1280)	4											
	444134	TEE, 1/4"-18 PIPE (12.9490)	1											
		* NOT SERVICED. USE PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET												
	5143771	ELBOW (3.5400)	2											
	5100798	ELBOW				1	1		1					
	5143832	ELBOW				1			1					
	5100799	ELBOW					1							
	5143953	ADAPTOR		2										
	5143707	TUBE (L.B.) (3.5400)	1											
	5143954	TUBE (L.B.) (3.5428)		1										
	5143927	TUBE (L.B.)				1			1					
	5146194	TUBE					1							
	5144195	TUBE					1							
	5136790	TUBE						1						
	5108017	TUBE (L.B.)									1	1	1	1
	5108016	TUBE (R.B.)									1	1		
	5143596	TUBE (R.B.)											1	1
	5136791	HOSE (3 1/8"I.D.X2 1/2" L.) (3.1270)						1			1	1		
	5131162	CLAMP, 3 1/2"				1			1					
	9139813	CLAMP, 4" HOSE (3.5400)						8			8	8		
	5143926	BRACKET				1			1					
	5148068	BRACKET									2	2		2
	5146216	@ SUPPORT									1	1		
	5145009	PLUG, 1/8" PIPE (12.9550)				2	2		2					
	5142549	PLUG, 3/4" PIPE (12.9550)	2											
	186647	* BOLT, 1/4"-20X1" (12.9001)									2	2		
	186618	BOLT, 5/16"-18X5/8" (12.9001)									4	4		4
	186629	BOLT, 5/16"-18X1" (12.9001)									1	1		
	179819	# BOLT, 5/16"-18X1 1/8" (12.9001)									2	2		
	180121	BOLT, 3/8"-16X7/8" (12.9001)				1								
	179838	BOLT, 3/8"-16X7/8" (12.9001)							1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	12			12	1		12					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					5							
	454907	BOLT, 3/8"-16X2 1/4" (12.9001)					6							
	106321	* BOLT, 1/2"-20X1 1/8" (12.9001)									1	1		
	120392	* WASHER, 1/4" FLAT (12.9190)									2	2		
	120393	WASHER, 5/16" (12.9190)									AR	AR		AR
	5121403	WASHER, 21/64"X1"X3/16" (3.4080)									2	2		
	103341	WASHER, 3/8" (12.9190)				AR			AR					
	120380	* LOCKWASHER, 1/4" (12.9200)									3	3		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 142	143	144	145	147	149	150	151	156	157	158	159
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET (CONT'D)												
	103320	LOCKWASHER, 5/16" (12.9200)									AR	AR		AR
	103321	LOCKWASHER, 3/8" (12.9200)	12			12	12		12					
	102635	NUT, 3/8"-16 HEX. (12.9120)			1				1					
		* WITH MECHANICAL GOVERNOR.												
		# WITH HYDRAULIC GOVERNOR												
		@ NOT SERVICED USE (1) EACH OF 5108013, 5108014 PLUS (3) EACH OF 186625, 103340, 103320 AND 120376.												
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW												
	5133245	GASKET (3.1261)	2			2	3		2					
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION												
	5144041	HOSE, 3" I.D.X2 1/2"		3										
5B	5162888	HOSE, 3 1/2"I.D.X2 3/4"	4			3	4		3	1		2	1	2
5B	5140613	HOSE, 3 1/2"I.D.X2" (3.5305)												2
5B	5188036	CLAMP, 3" HOSE (12.9660)		6										
	5147911	CLAMP, 3 3/8" T-BOLT,								1	2	2	1	
	5147912	CLAMP, 3 3/8" T-BOLT,	6		1	6			6		6	6		14
5B	9139813	CLAMP, 4" HOSE (3.5400)					8							
		3.5425 - INTERCOOLER, TURBOCHARGER												
	8542182	INTERCOOLER ASSY.		2										
	5124107	INTERCOOLER ASSY.				1			1					
	5144485	INTERCOOLER ASSY.				1			1					
	5142599	GASKET (3.5418)		4										
	5149433	@ GASKET				2			2					
	5147423	GASKET (3.5418)				2			2					
	5149459	@ GASKET				2			2					
	5149433	+ GASKET				4			4					
	NPN	+ GASKET				8			8					
	5141488	HOUSING, INTERCOOLER OUTLET (3.5421)		1										
	179839	BOLT, 3/8"-16X1" (12.9001)		20										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		20										
	103321	LOCKWASHER, 3/8" (12.9200)		40										
	102635	NUT, 3/8"-16 HEX. (12.9120)		40										
		@ PART OF INTERCOOLER ASSY.												
		+ PART OF INTERCOOLER ASSY. 5124107 AND 5144485.												
		3.5426 - BRACKET, INTERCOOLER MOUNTING												
	5141619	SUPPORT		1										
	5143661	BRACE, TURBOCHARGER ADAPTOR		1										
	5143773	BRACE, TURBOCHARGER ADAPTOR		1										
	180120	BOLT, 3/8"-16X3/4" (12.9001)		2										
	179839	BOLT, 3/8"-16X1" (12.9001)		4										
	179858	BOLT, 7/16"-14X1" (12.9001)		4										
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR			AR					

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 142	143	144	145	147	149	150	151	156	157	158	159
		3.5426 - BRACKET, INTERCOOLER MOUNTING (CONT'D)												
	103322	LOCKWASHER, 7/16" (12.9200)		AR										
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY												
	5115764	HOSE, FLEX. (24"L.) (4.7100)							1					
	5140399	HOSE, FLEX. (33"L.) (2.5050)		2										
	5131575	HOSE, FLEX. (39"L.) (7.8300)	2			2			2					
	5139608	HOSE, FLEX. (41"L.) (2.5150)						1						
	5131803	HOSE, FLEX. (52"L.) (2.5050)			1					1				
	5199575	HOSE, BULK #6 X 25' (52" L.)											1	
	5110183	HOSE, FLEX. (58"L.) (2.5217)									1			
	5189176	HOSE, FLEX. (64"L.) (2.5110)										1		2
	5133206	HOSE, FLEX. (74"L.)									1	1		
	5133418	COVER (OIL INLET)						1						
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STRGHT.											1	
	5149274	FITTING, HOSE											1	
	5121182	PLUG, 1/4" PIPE (12.9550)		1					1					
	187343	CONNECTOR, 5/16" TUBE, 1/4" PIPE (12.9460)		2										
	442323	CONNECTOR, 3/8"-1/4"P.T. (INV. FL. TUBE) (12.9460)	2			2	2	1	2				1	
	5170466	GASKET (COVER)	2	2	1	2	2		2	1	2	2	1	2
	5133425	GASKET						1						
	5131847	FLANGE	2	1	1	2	2		2	1	2	2	1	2
	5129184	TEE, 1/4" X 1/4" (7.4694)											1	
	444134	TEE, 1/4"-18 PIPE (12.9490)					1							
	178690	TEE, 3/8" INV. FL. (12.9490)				1			1					
	189060	BUSHING, 3/4"X1/4" RED. (12.9570)					1							
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)			1					1			1	
	143337	ELBOW, 5/16"-45 DEG. TUBE (12.9480)		1										
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)					1	1						
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	4		1	1	1		2	1			1	
	118755	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9390)									2	2		4
	444000	ADAPTOR, PIPE 1/4"-18 (12.9460)			1					1		2	1	
	5114551	TAG, CABLE (7.4545)						1			2	2		
	186625	BOLT, 5/16"-18X7/8" (12.9001)						2						
	179839	BOLT, 3/8"-16X1" (12.9001)	4	4	2	4			4	2	4	4	2	4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					4							
	103320	LOCKWASHER, 5/16" (12.9200)						2						
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
		3.5502 - CLIP, OIL SUPPLY TUBE												
	5144934	CLIP (4.4330)		2										
	5147599	CLIP (3.5507)											2	
	5151108	CLIP, 1/2" (12.4095)								2				
	2488022	CLIP, 3/8" (2.5100)			1					1			2	
	5177623	CLIP, 3/8" (2.5120)											1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 142	143	144	145	147	149	150	151	156	157	158	159
		3.5502 - CLIP, OIL SUPPLY TUBE (CONT'D)												
	3291251	CLIP, 5/8" TUBE, 1/2" BOLT (1.1060)	1		1		1				1	1		1
	5100364	CLIP, 5/8" TUBE (2.5070)			1						4	4		4
	5171509	CLIP, 5/8" (9.1591)					3							
	5186803	CLIP, 13/16" (7.7380)									1	1		
	5187661	CLIP, 1 1/4" (4.8183)					2							
	5166565	BRACKET					1							
	5175606	BRACKET											1	
	5160629	SPACER, 13/32"X7/32" (4.2270)		1										
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)									2	2		2
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)									2	2		2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									1	1		1
	181361	BOLT, 3/8"-24X7/8" (12.9001)					1							
	186317	BOLT, 3/8"-24X5" (12.9001)		1										
	179857	BOLT, 7/16"-14X7/8" (12.9001)					1							
	5131433	WASHER, SPECIAL (.41"X.81"X.1345") (1.5001)									2	2		2
	103341	WASHER, 3/8" (12.9190)	3				1						2	
	5125108	WASHER, 7/16"X3/4" COPPER (2.4050)					1							
	103321	LOCKWASHER, 3/8" (12.9200)	AR				AR							
	117049	NUT, 3/8"-24 HEX. (12.9120)					1							
		3.5505 - TUBE, TURBOCHARGER OIL RETURN												
	5143869	TUBE (DEV. L. 2 3/4")						1						
	5143856	TUBE (DEV. L. 3")			1			1						
	5141632	TUBE (DEV. L. 5.44")		1										
	5142329	TUBE (DEV. L. 7.38") (3.5500)		1										
	5143097	TUBE (DEV. L. 9")											1	
	5143702	TUBE (DEV. L. 10.64")	1											
	5143701	TUBE (DEV. L. 11.70")	1											
	5143603	TUBE (DEV. L. 12")									1	1		1
	5143604	TUBE (DEV. L. 13")									1	1		1
	5106039	TUBE (DEV. L. 16")								1				
	5143971	TUBE (DEV. L. 33")									1			1
	5146231	TUBE (DEV. L. 33.50")									1	1		
	5146052	TUBE (DEV. L. 41.90")												1
	5123901	* HOSE (1 1/2"L.) (5128120)								2			2	
	5177175	* HOSE (2 1/2"L.) (5169721) (4.8175)	2											
	5122948	* HOSE (3 1/2"L.) (5169721) (12.6001)									2	2		2
	5144628	HOSE (21"L.)			1									
	5115764	HOSE (24"L.) (4.7100)				1			1					
	5145333	HOSE (27"L.)						1						
	5127093	* HOSE (30"L.) (5138542) (12.6865)		2										
	5134090	HOSE (30"L.) (3.5500)					1							
	5115749	HOSE (36"L.) (9.1720)				1			1					
	5115748	HOSE (44 5/8"L.) (8.3820)					1							
	5137131	HOSE (47"L.) (2.5149)					1							
	5115751	HOSE (51 1/2"L.) (8.3820)					1							

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 142	143	144	145	147	149	150	151	156	157	158	159
		3.5505 - TUBE, TURBOCHARGER OIL RETURN (CONT'D)												
	5143074	FLANGE ASSY.				1	2		1					
	5144347	FLANGE ASSY.				1			1					
	5170468	GASKET	2		1	2	2	1	2	1	2	2	1	2
	5138977	GASKET		2										
	5168176	GASKET (OIL PAN COVER) (4.5007)					2							
	5104946	COVER ASSY. (3.5503)	2		1									
	5125256	COVER, OIL PAN					1	1	2					
	9139801	CLAMP, HOSE (9/16"-1 1/16") (12.9660)		2										
	5186840	CLAMP, HOSE (13/16"-1 1/2") (12.9660)	4		2					4	4	4	2	4
	9139801	CLAMP, HOSE (5/8") (12.9660)						2						
	193004	ELBOW, 3/8" PIPE-90 DEG. STREET (12.9590)	2											
	140798	ELBOW, 3/4" PIPE-45 DEG. STREET (12.9590)(12.9590)				2	1		2					
	141621	ELBOW, 3/4"-90 DEG. STREET (12.9590)					1							2
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)	2								2	2		
	128003	BUSHING, 1"X3/4" RED. (12.9570)						1						
	5125906	CONNECTOR, 3/4" PIPE X1" FL. TUBE (4.4330)				3	2		3					
	5138309	② CONNECTOR ASSY., 7/8" TUBE SEALASTIC (12.9415)									2	2		2
	5176532	SEAL RING, 7/8" TUBE (SEALASTIC) (12.9435)									2	2		2
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)									2	2		2
	5113655	STUD, 5/16"-18X5/16"-24X2.46" (7.4509)									2	2		2
	5121190	FITTING, HOSE 3/4" EXT. PIPE (4.7100)		2										
	180121	BOLT, 3/8"-16X7/8" (12.9001)			2			2						
	179838	BOLT, 3/8"-16X7/8" (12.9001)								2	4	4	2	4
	179839	BOLT, 3/8"-16X1" (12.9001)	4	4										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2	6		4					
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	102635	NUT, 3/8"-16 HEX. (12.9120)				1								
		* NOT SERVICED; STANDARD LENGTH HOSE SHOWN WILL BE PROVIDED.												
		② INCLUDES SEAL RING IN 3.5505 PLUS NUT NOT SOLD SEPARATELY												
		— NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.												
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE												
	5147599	CLIP			1					2				
	5157702	CLIP, 1" (4.8040)		2									1	
	5160629	CLIP, 13/32"X7/32" (4.2270)			1									

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 142	143	144	145	147	149	150	151	156	157	158	159
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE (CONT'D)												
	3291251	CLIP, 5/8" (1.1060)				2			2					
	5145492	CLIP, 3/4"								1				
	5186803	CLIP, 13/16" (7.7380)									1	1		
	5165244	CLIP, 7/8" (4.8040)									2	2		2
	5184291	CLIP, 1 1/4" (8.3820)				1			1					
	5188248	BRACKET, CLIP (7.1606)				1			1					
	5108956	BRACKET, CLIP (4.1540)								1				
	179835	BOLT, 3/8"-16X5/8" (12.9001)								1				
	179839	BOLT, 3/8"-16X1" (12.9001)				1			1					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		1										
	186317	BOLT, 3/8"-24X5" (12.9001)		1										
	179858	BOLT, 7/16"-14X1" (12.9001)								1			2	
	103341	WASHER, 3/8" FLAT (12.9190)			AR					AR				
	5125108	WASHER, 7/16"X3/4" (2.4030)								1			2	
	103342	WASHER, 7/16"X3/4" (2.4030)								AR			AR	
	9411981	NUT, 3/8"-24 (12.9120)							AR	AR				
	103322	LOCKWASHER, 7/16" (12.9200)								AR			AR	
	102635	NUT, 3/8"-16 HEX. (12.9120)							1	1				
		3.5535 - INSULATION BLANKET, TURBOCHARGER												
	5101644	INSULATION BLANKET		2										
	5107384	INSULATION BLANKET		1										
	5107385	INSULATION BLANKET		1										
	5144640	INSULATION BLANKET				2			2					
	5104076	INSULATION BLANKET				2			2					
	5144639	INSULATION BLANKET				2			2					
	5104075	INSULATION BLANKET				2								
	9430221	BOLT, 3/8"-24X4 3/4" (1.2080)				2			2					
	5101163	WIRE, BLANKET				AR			AR					

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 162	164	165	166	176	177	186	192	193	194	195
		3.5001 - TURBOCHARGER											
		▪ FOR TYPE 181 USE TYPE 223.▪ REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.											
5A	**5142193**	TURBOCHARGER ASSY. (T18A40) (6-12V) (PAGE B1)					2	2					
5A	**5141676**	* TURBOCHARGER ASSY. (T18A40) (8-16V) (PAGE B1)							1	2	2		2
5A	**5103838**	TURBOCHARGER ASSY. (T18A40) (PAGE C1) (8-12-16V)		2		2						2	
5A	**5146244**	TURBOCHARGER ASSY. (T18A31) (12V) (PAGE C1)	2										
5A	**5144566**	TURBOCHARGER ASSY. (T18A40) (12V) (PAGE C1)			2								
	5150362	STUD, 3/8"-16X1 11/16" (5.2020)				4							
	5130488	STUD, 3/8"-16X24X1.88" (5.2020)							4				
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)		8						8	8	8	8
	5131433	WASHER, (1.5001)				4			4				
	5121887	NUT, 3/8"-24 (SEIZEPROOF)		8		4	8	8	4	8	8	8	8
		* NOT SERVICED, SUPERSEDED BY 5103840.											
		3.5002 - BRACKET, TURBOCHARGER SUPPORT											
	5143664	BRACKET (L.H.)			1								
	5143666	BRACKET (UPPER R.H.)			1								
	5143667	BRACKET (LOWER R.H.)			1								
	5189440	SPACER, 13/32"I.D.X15/32" (2.8756)			3								
	5195500	SPACER, 13/32"I.D.X.624"O.D.X.380" (12.4050)			3								
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)			3								
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			3								
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)			2								
	186317	BOLT, 3/8"-24X5" (12.9001)			1								
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)			1								
	103341	WASHER, 3/8" FLAT (12.9190)			AR								
	103026	NUT, 3/8"-24 HEX. (12.9120)			3								
		3.5300 - BRACKET, TURBOCHARGER MOUNTING											
		AN ASSY. INCLUDES TUBE IN 3.5300 AND BRACKET WHICH IS NOT SERVICED SEPARATELY.											
	5140612	BRACKET ASSY.				1			1				
	5124331	TUBE (1.06" L.) (7.1595)				1			1				
	5122266	GASKET (7.1597)				1			1				
	186647	BOLT, 1/4"-20X1" (12.9001)				2			2				
	179839	BOLT, 3/8"-16X1" (12.9001)				2			2				
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)				1			1				
	120380	LOCKWASHER, 1/4" (12.9200)				2			2				

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 162	164	165	166	176	177	186	192	193	194	195
		3.5300 - BRACKET, TURBOCHARGER MOUNTING (CONT'D)											
	103321	LOCKWASHER, 3/8" (12.9200)							2				
	103322	LOCKWASHER, 7/16" (12.9200)				1			1				
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET											
5B	5132798	ADAPTOR			1								
5B	5133154	ADAPTOR			1								
5B	5143106	ADAPTOR				1			1				
5B	5143014	ADAPTOR	1										
5B	5144123	ADAPTOR	1										
5B	5143567	ADAPTOR		1						1	1	1	1
5B	5143568	ADAPTOR (30 DEG. ELBOW)		1						1	1	1	1
5B	5141876	ADAPTOR					2	2					
	5143705	TUBE ASSY. (RIGHT BANK)			1								
	5143692	TUBE ASSY. (LEFT BANK)			1								
	5140614	TUBE (R.B.)				1			1				
	5140615	TUBE (L.B.)				1			1				
5B	5162888	HOSE (3 1/2"I.D.X2 3/4"L.) (3.5420)				1							
	5137618	CLAMP (MARMAN) (6.1001)			2								
	5146165	CLAMP (3 3/4" DIA.) (6.2085)				2			2				
	5137619	CLAMP (4 1/2" DIA.) (6.2085)				2			2				
	5146164	CLAMP (4 3/4" DIA.)	2										
	5128641	STUD, 3/8"-16-24X1 1/2" (1.7600)							4				
	5150362	STUD, 3/8"-16-24X1 11/16" (5.2020)				4							
	5144598	STUD, 1/2"-13X20X1 15/16" (12.9117)	8		8								
	5129111	STUD, 5/8"-11X2.60" (1.5001)		8						8	8	8	8
	5148461	SEAL				2			2				
	5108715	SEAL				2			2				
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			14								
	5131433	WASHER, (1.5001)				4			4				
	5121887	NUT, 3/8"-24 (SEIZPROOF) (3.5001)			14	4			4				
	117212	NUT, 3/8"-24 LOCK (12.9170)					2	2					
	5138356	NUT, 1/2"-20 (6.1001)	8		8								
	5138311	NUT, 5/8"-18 (SEIZPROOF) (6.1190)								8	8	8	8
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION											
	5162886	GASKET		2	2	1	2	2	1	2	2	2	2
	5108989	GASKET (6.2105)	2		2								
	5142225	GASKET (3.5325)					2	2					
	5130557	GASKET (EXHAUST OUTLET) (6.2105)								2	2	2	2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 162	164	165	166	176	177	186	192	193	194	195
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION											
	5143593	SUPPORT		2						2	2		2
	5143484	PLATE, BOLT LOCKING		4						4	4	4	4
	5132705	* STUD, 7/16"-14-20X1.38" (1.3160)		2						2	2	2	2
	5112899	STUD, 7/16"-14-20X23/32" (6.1020)											2
	5143483	SPACER		8						8	8	8	8
	179838	BOLT, 3/8"-16X7/8" (12.9001)		4						4	4	4	4
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		4						4	4	4	4
	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)											2
	9174746	NUT, 7/16"-20 LOCK (12.9120)		2						2	2	2	2
		* NOT SERVICED. USE 5137136 BOLT AND 103322 L/W.											
		3.5398 - BRACKET, TURBOCHARGER AIR INLET											
	5144850	BRACKET			1								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2								
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)			2								
	103341	WASHER, 3/8" (12.9190)			AR								
	103321	LOCKWASHER, 3/8" (12.9200)			AR								
		3.5400 - ELBOW, TURBOCHARGER AIR INLET											
	5133155	ADAPTOR			1								
	5162888	HOSE (3 1/2 I.D.X2 3/4 L.) (3.5420)			3								
	5116939	* HOSE (5 1/2"I.D.X3.50"L.) (5108270) (3.1270)			1								
	5144014	* HOSE (5 1/2"I.D.X4"L.) (5108270)			1								
	5114937	CLAMP, 6" HOSE (3.1280)			4								
	9139813	CLAMP, 4" HOSE			6								
		* NOT SERVICED. USE PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.											
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET											
	5143771	ELBOW (3.5400)			2								
	5100798	ELBOW	1				1	1					
	5100799	ELBOW	1										
	5146467	ELBOW					1	1					
	5140027	ELBOW							1				
	5143707	TUBE (L.B.) (3.5400)			1								
	5146194	TUBE	1										
	5144195	TUBE	1										
	5108017	TUBE (L.B.)		1						1	1	1	1
	5108016	TUBE (R.B.)		1						1	1	1	1
	5146729	TUBE (R.B.)					1						

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 162	164	165	166	176	177	186	192	193	194	195
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET (CONT'D)											
	5146466	TUBE (L.B.)					1						
	5146730	TUBE (L.B.)						1					
	5146731	TUBE (R.B.)						1					
	5162888	HOSE (3 1/2"I.D.X2 3/4"L.) (3.5420)		4			4	4		4	4	4	4
	9139813	CLAMP, 4" HOSE (3.5400)		8			8	8		8	8	8	
	5148068	BRACKET		2						2	2	2	2
	5146216	@ SUPPORT		1						1	1	1	1
	5145009	PLUG, 1/8" PIPE (12.9550)	2				2	2					
	5121182	PLUG, 1/4" PIPE (12.9550)							1				
	5142549	PLUG, 3/4" PIPE (12.9550)			2								
	186647	* BOLT, 1/4"-20X1" (12.9001)		2						2	2	2	2
	186618	BOLT, 5/16"-18X5/8" (12.9001)		4						4	4	4	4
	186629	BOLT, 5/16"-18X1" (12.9001)		1						1	1	1	1
	179819	# BOLT, 5/16"-18X1 1/8" (12.9001)		2						2	2	2	2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	12										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					12	12	6				
	454907	BOLT, 3/8"-16X2 1/4" (12.9001)	6										
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)	3										
	106321	* BOLT, 1/2"-20X1 1/8" (12.9001)		1						1	1	1	1
	120392	* WASHER, 1/4" FLAT (12.9190)		2						2	2	2	2
	120393	WASHER, 5/16" (12.9190)		AR						AR	AR	AR	AR
	5121403	WASHER, 21/64"X1"X3/16" (3.4080)		2						2	2	2	2
	120380	* LOCKWASHER, 1/4" (12.9200)		3						3	3	3	3
	103320	LOCKWASHER, 5/16" (12.9200)		AR						AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)	12		12		12	12	6				
		* WITH MECHANICAL GOVERNOR.											
		# WITH HYDRAULIC GOVERNOR.											
		@ NOT SERVICED, USE 1 EACH OF 5108013, 5108014, PLUS 3 EACH OF 186625, 103340, 103320 AND 120376.											
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW											
	5133245	GASKET (3.1261)	3		2		2	2					
	5145635	GASKET							1				
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION											
5B	5162888	HOSE, 3 1/2"I.D.X2 3/4"	4						1				
	5147911	CLAMP, 3 3/8" T-BOLT,		2		1							
	5147912	CLAMP, 3 3/8" T-BOLT,	8	6	6	1	8	8		8	8	8	8
5B	9139813	CLAMP, 4" HOSE (3.5400)							2				
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY											
	5134090	HOSE, FLEX. (30"L.)	1										
	5131575	HOSE, FLEX. (39"L.) (7.8300)			2								
	5137131	HOSE, FLEX. (47"L.) (2.5149)	1				2	2					

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 162	164	165	166	176	177	186	192	193	194	195
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY (CONT'D)											
	5131803	HOSE, FLEX. (52"L.) (2.5050)				1			1				
	5110183	HOSE, FLEX. (58"L.) (2.5217)		1						1		1	1
	5189176	HOSE, FLEX. (64"L.) (2.5110)									2		
	5133206	HOSE, FLEX. (74"L.)		1						1		1	1
	442323	CONNECTOR, 3/8"-1/4"P.T. (INV. FL. TUBE) (12.9460)	2		2		2	2					
	5170466	GASKET (COVER) GASKET (COVER)	4	2	2	1	2	2	1	2	2	2	2
	5131847	FLANGE	2	2	2	1	2	2	1	2	2	2	2
	5104778	TEE, 1/4"X1/4" (7.4694)							1				
	444134	TEE, 1/4"-18 PIPE (12.9490)	1										
	189060	BUSHING, 3/4"X1/4" RED. (12.9570)	1										
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)				1			1				
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)	1										
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1		2	1	2	2	1				
	118755	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9390)		4						4	4	4	4
	444000	ADAPTOR, PIPE 1/4"-18 (12.9460)		2		1			1	2	2	2	2
	5114551	TAG, CABLE (7.4545)		2						2	2	2	2
	179839	BOLT, 3/8"-16X1" (12.9001)		4	4	2	4	4	2	4	4	4	4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		3.5502 - CLIP, OIL SUPPLY TUBE											
	2488022	CLIP, 3/8" (2.5100)				1	5		1				
	3291251	CLIP, 5/8" TUBE, 1/2" BOLT (1.1060)	1	1	1					1	1	1	1
	5100364	CLIP, 5/8" TUBE (2.5070)		4						4	4	4	4
	5171509	CLIP, 5/8" (9.1591)	3					2					
	5184291	CLIP, 1 1/4" (8.3820)						2					
	5147753	CLIP #16 HOSE (12.8562)					3						
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)		2						2	2	2	2
	179837	BOLT, 3/8"-16X3/4" (12.9001)					3						
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)		2						2	2	2	2
	179838	BOLT, 3/8"-16X7/8" (12.9001)						2					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1						1	1	1	1
	179857	BOLT, 7/16"-14X7/8" (12.9001)	1										
	179858	BOLT, 7/16"-14X1" (12.9001)							1				
	5131433	WASHER, SPECIAL (.41"X.81"X.1345") (1.5001)		2						2	2	2	2
	103341	WASHER, 3/8" (12.9190)			3								
	446200	WASHER, 5/16" (12.9190)					3						
	5125108	WASHER, 7/16"X3/4" COPPER (2.4050)	1						1				
	103342	WASHER, 7/16" (12.9190)							1				
	103321	LOCKWASHER, 3/8" (12.9200)	AR				AR	AR					

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 162	164	165	166	176	177	186	192	193	194	195
		3.5502 - CLIP, OIL SUPPLY TUBE (CONT'D)											
	103322	LOCKWASHER, 7/16" (12.9200)							1				
	102635	NUT, 3/8"-16 HEX. (12.9120)					3	2					
		3.5505 - TUBE, TURBOCHARGER OIL RETURN											
	5143856	TUBE (DEV. L. 3")				1							
	5143702	TUBE (DEV. L. 10.64")			1								
	5143701	TUBE (DEV. L. 11.70")			1								
	5143603	TUBE (DEV. L. 12")		1						1	1	1	1
	5143604	TUBE (DEV. L. 13")		1						1	1	1	1
	5106997	TUBE (DEV. L. 14.38")							1				
	5146231	TUBE (DEV. L. 33.50")		1						1	1	1	1
	5143971	TUBE (DEV. L. 33")								1	1	1	1
	5123901	+ HOSE (1 1/2"L.) (5128120)							1				
	5177175	+ HOSE (2 1/2"L.) (5169721) (4.8175)			2								
	5122948	+ HOSE (3 1/2"L.) (5169721) (12.6001)		2						2	2	2	2
	5144628	HOSE (21"L.)				1							
	5133328	HOSE (32"L.) (9.1730)						2					
	5143298	HOSE (40"L.)					1						
	5143299	HOSE (42"L.)					1						
	5115748	HOSE (44 5/8"L.) (8.3820)	1										
	5115751	HOSE (51 1/2"L.) (8.3820)	1										
	5143074	FLANGE ASSY.	2				2	2					
	5170468	GASKET	2	2	2	1	2	2	1	2	2	2	2
	5168176	GASKET (OIL PAN COVER) (4.5007)					2						
	5104946	COVER ASSY. (3.5503)			2	1							
	5125256	COVER, OIL PAN					2						
	5186840	CLAMP, HOSE (13/16"-1 1/2") (12.9660)		4	4	2			2	4	4	4	4
	444134	TEE, 1/4"-18 PIPE (12.9490)			1								
	140798	ELBOW, 3/4" PIPE-45 DEG. STREET (12.9590)	1				2	2					
	141621	ELBOW, 3/4"-90 DEG. STREET (12.9590)	1	2						2	2	2	2
	5125906	CONNECTOR, 3/4" PIPE X1" FL. TUBE (4.4330)	2				2	2					
	5138309	@ CONNECTOR ASSY., 7/8" TUBE SEALASTIC (12.9415)		2						2	2	2	2
	5176532	SEAL RING, 7/8" TUBE (SEALASTIC) (12.9435)		2						2	2	2	2
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)		2						2	2	2	2
	5113655	STUD, 5/16"-18X5/16"-24X2.46" (7.4509)		2						2	2	2	2
	179838	BOLT, 3/8"-16X7/8" (12.9001)		4		2			2	4	4	4	4
	179839	BOLT, 3/8"-16X1" (12.9001)			4		8	8					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	8										
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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3.5000A TURBOCHARGER

PART NUMBER	NAME AND DESCRIPTION	TYPES 162	164	165	166	176	177	186	192	193	194	195
	3.5505 - TUBE, TURBOCHARGER OIL RETURN (CONT'D)											
	+ NOT SERVICED. STANDARD LENGTH HOSE SHOWN WILL BE PROVIDED.											
	* INCLUDES SEAL RING IN 3.5505 PLUS NUT NOT SOLD SEPARATELY											
	3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE											
5147599	CLIP				1					2		
5187661	CLIP (4.8183)	2										
5160629	CLIP, 13/32"X7/32" (4.2270)				1							
5186803	CLIP, 13/16" (7.7380)		1						1	1	1	1
5165244	CLIP, 7/8" (4.8040)		2						2	2	1	1
5184291	CLIP, 1 1/4" (8.3820)					2						
5166565	BRACKET, CLIP (9.1591)	1										
179839	BOLT, 3/8"-16X1" (12.9001)					2						
181361	BOLT, 3/8"-24X7/8" (12.9001)	1										
179858	BOLT, 7/16"-14X1" (12.9001)				1							
103341	WASHER, 3/8" FLAT (12.9190)	AR			AR	AR						
103342	WASHER, 7/16" (12.9190)				AR							
103321	LOCKWASHER, 3/8" (12.9200)	AR				AR						
103322	LOCKWASHER, 7/16" (12.9200)				AR							
117049	NUT, 3/8"-24 HEX. (12.9120)	1										

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	197	198	200	223	236	238	241	242	249	251	255
	3.5001 - TURBOCHARGER													
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
5A	**5141676**	* TURBOCHARGER ASSY. (T18A40) (8-16V) (PAGE B1) (5103840)	2				2			1		2		2
5A	**5141854**	* TURBOCHARGER ASSY. (T18A40) (12-16V) (PAGE C1) (5103838)		2										
5A	**5103838**	TURBOCHARGER ASSY. (T18A40) (12V) (PAGE C1)											2	
5A	**5142193**	TURBOCHARGER ASSY. (T18A40) (6-12V) (PAGE B1)			2	2		2			1			
5A	**5143110**	TURBOCHARGER ASSY. (TH08A) (8V) (PAGE B1)							2					
	5130488	STUD, 3/8"-16X24X1.88" (5.2030)								4				
	103196	STUD, 3/8"-16X24X1 9/16" (12.9117)									4			
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	8	8	7	7	8	14				8		8
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)							8				8	
	5131433	WASHER, (1.5001)								4	4		8	
	9411981	NUT, 3/8"-24 (SEIZPROOF)	8	8	7	7	8	14	7	4	4	8	7	8
		* NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.												
	3.5002 - BRACKET, TURBOCHARGER SUPPORT													
	5100900	BRACKET, R.H.						1						
	5100899	BRACKET, L.H.						1						
	5143666	SUPPORT (UPPER)			1									
	5143667	SUPPORT (LOWER)			1									
	5143664	SUPPORT (L.H.)			1	1								
	5189440	SPACER, 13/32"I.D.X15/32" (2.8756)			2	2								
	5195500	SPACER, 13/32"I.D.X.624"X.380" (12.4050)			3	1								
	5163906	SPACER, 15/32"X1/4"X13/16" (7.1598)						6						
	5157412	SPACER, 7/8"X13/32"X1/4" (7.4013)						6						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						6						
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)			2									
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)			3									
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)			1	1								
	186317	BOLT, 3/8"-24X5" (12.9001)			2	2								
	186626	BOLT, 7/16"-14X1 5/8" (12.9001)						4						
	5132147	WASHER, 13/32"X1.06"X.20" SPL. (3.4030)			3	3								
	103321	LOCKWASHER, 3/8" (12.9200)			14	14							14	
	103322	LOCKWASHER, 7/16" (12.9200)						4					4	
	102635	NUT, 3/8"-16 HEX. (12.9120)			14	14								
	3.5300 - BRACKET, TURBOCHARGER MOUNTING													
		AN ASSY. INCLUDES TUBE IN 3.5300 AND BRACKET WHICH IS NOT SERVICED SEPARATELY.												
	5140612	BRACKET ASSY.								1	1			
	5124331	TUBE (1.06" L.) (7.1595)								1	1			
	5122266	GASKET (7.1597)								1	1			
	186647	BOLT, 1/4"-20X1" (12.9001)								2	2			

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	197	198	200	223	236	238	241	242	249	251	255
		3.5300 - BRACKET, TURBOCHARGER MOUNTING (CONT'D)												
	179839	BOLT, 3/8"-16X1" (12.9001)								2	2			
	179860	BOLT, 7/16"-14X1 1/4" (12.9001)								1	1			
	103319	LOCKWASHER, 1/4" (12.9200)								2	2			
	103321	LOCKWASHER, 3/8" (12.9200)								2	2			
	103322	LOCKWASHER, 7/16" (12.9200)								1	1			
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET												
5B	5143567	ADAPTOR	1	1			1					1		1
5B	5143568	ADAPTOR (30 DEG. ELBOW)	1	1			1					1		1
	5141876	ADAPTOR			1	1								
	5132798	ADAPTOR			1			1						
5B	5133154	ADAPTOR			1	1		1						
	5141610	ADAPTOR							2					
	5148008	ADAPTOR											2	
	5130339	ADAPTOR											1	
	5143705	TUBE ASSY.			1									
5D	5143692	TUBE			1	1								
	5101417	TUBE (R.B.)								1				
	5101416	TUBE (L.B.)								1				
	5101414	TUBE (R.B.)									1			
	5101415	TUBE (L.B.)									1			
	5128641	STUD, 3/8"-16-24X1 1/2" (1.7600)								4				
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)									1			
	5144598	STUD, 1/2"-13X20"X1 15/16" (12.9117)			8	4								
	5129111	STUD, 5/8"-11X2.60" (1.5001)	8	8			8					8		8
	5137618	CLAMP (6.1001)			2	1								
	5132650	CLAMP (MARMAN) (6.2085)							1				2	
	5146165	CLAMP (3 3/4" DIA.) (6.2085)								2	4			
	5137619	CLAMP (4 1/2" DIA.) (6.2085)								2				
	5143106	TEE							1		1			
	5141629	SPACER (3.5315)							1					
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)							4					
	179849	BOLT, 3/8"-16X2 1/2" (12.9001)											4	
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			7									
	5131433	WASHER, (1.5001)								4	4			
	103321	LOCKWASHER, 3/8" (12.9200)							4					
	9411981	NUT, 3/8"-24X9/16" (12.9120)			AR	AR					AR			
	117212	NUT, 3/8"-24 HEX. (12.9120)				1								
	9415992	NUT, 1/2"-20X3/4" (12.9120)			AR	AR								
	9416121	NUT, 5/8"-18X15/16" (12.9120)	8	8			8					8		8
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION												
	5100770	GASKET	2	2	2	1	2	2		1				
	5130557	GASKET (EXHAUST OUTLET) (6.2105)	2	2										
	5108989	GASKET (EXHAUST OUTLET) (6.2105)			2	1								

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3.5000A TURBOCHARGER

PART NUMBER	NAME AND DESCRIPTION	TYPES 196	197	198	200	223	236	238	241	242	249	251	255
3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION (CONT'D)													
5163811	GASKET (6.2105)											3	
5101914	GASKET							1					
5162886	GASKET							2		1			
5101809	GASKET							2					
3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION													
5102277	SUPPORT	2	2			2					2		2
5148330	SUPPORT											2	
5176829	STUD, 7/16"-14-20X2 3/32" (6.1020)	2	2			2					2		2
5143483	SPACER	4	4			4					4		4
5108436	SPACER, 15/32"X15/16"X5/32" (7.1598)					6					6		
5143484	PLATE, BOLT LOCKING	2	2			2					2		2
5104688	PLATE, BOLT LOCKING	2	2			2					2		2
5101377	BOLT, 3/8"-16 X 1" W/SEAL PATCH	4	4			4					4		4
179839	BOLT, 3/8"-16X1" (12.9001)											4	
186622	BOLT, 3/8"-16X1 1/4" (12.9001)											4	
179860	BOLT, 7/16"-14X1 1/4" (12.9001)	4	4			4					4		4
5131433	WASHER, SPL. (1.5001)											4	
5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)	2	2										2
103321	LOCKWASHER, 3/8" (12.9200)											4	
103322	LOCKWASHER, 7/16" (12.9200)											4	
102635	NUT, 3/8"-16 HEX. (12.9120)											4	
9174746	NUT, 7/16"-20 LOCK (12.9120)	2	2			2					2		2
3.5325 - GASKET, TURBOCHARGER EXHAUST OUTLET CONNECTION													
5142225	GASKET			1	1								
3.5398 - BRACKET, TURBOCHARGER AIR INLET													
5101425	* SUPPORT												1
186647	BOLT, 1/4"-20X1" (12.9001)												2
106321	BOLT, 1/4"-20X1 1/8" (12.9001)												1
186629	BOLT, 5/16"-18X1" (12.9001)												1
179819	BOLT, 5/16"-18X1 1/8" (12.9001)												2
120392	WASHER, 1/4" FLAT (12.9190)												3
120393	WASHER, 5/16" (12.9190)												3
5121403	WASHER, 21/64"X1"X3/16" (3.4080)												3
103319	LOCKWASHER, 1/4" (12.9200)												3
103320	LOCKWASHER, 5/16" (12.9200)												3

* NOT SERVICED, USE (1) EACH OF 5108013, 5108014.

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	197	198	200	223	236	238	241	242	249	251	255
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET												
5B	5143771	ELBOW (3.5400)			2	1								
5C	5142906	ELBOW			1	1								
	5100765	ELBOW						1						
	5100798	ELBOW						1					1	
	5148026	ELBOW											2	
	5100799	ELBOW											1	
	5143953	ADAPTOR							2					
	5108017	TUBE	1	1										1
	5108016	TUBE	1	1										
5B	5143707	TUBE (L.B.) (3.5400)			1	1								
	5148793	TUBE (L.B. REAR)					1					1		
	5147170	TUBE (L.B. FRONT)					1					1		
	5100897	TUBE (L.B.)						1						
	5100896	TUBE (R.B.)						1						
	5100773	TUBE						1						
	5143954	TUBE (L.B.) (3.5428)							1					
	5148368	TUBE (BETWEEN INTERCOOLER AND AIR INL. HOUSING)											1	
	5148379	TUBE (BETWEEN INTERCOOLER AND AIR INL. HOUSING)											1	
	5108015	TUBE												1
	5162888	HOSE (3 1/2"I.D.X2 3/4"L.) (3.5420)			3							4	4	4
	5102094	CLAMP, 1/4 -20 "U" BOLT, 2.26" L. (3.5427)					1					1		
	9139813	CLAMP, 4" HOSE (3.5400)			6									
	5137618	CLAMP (MARMAN) (6.1001)						4						
	5147912	CLAMP, "T" BOLT 3 1/2" (3.5420)										8	8	8
	5148068	BRACKET	2	2			1					1		2
	5148487	BRACKET					1					1		
	5138881	BRACKET					1					1		
	5146216	@ SUPPORT	1	1										
	115237	TEE, 1" PIPE (12.9616)					1					1		
	5145009	PLUG, 1/8" PIPE (12.9550)											2	
	5142549	PLUG, 3/4" PIPE (12.9550)			2	1								
	186647	* BOLT, 1/4"-20X1" (12.9001)	2	2										
	186618	BOLT, 5/16"-18X5/8" (12.9001)	4	4								2		2
	186629	BOLT, 5/16"-18X1" (12.9001)	1	1										
	179819	# BOLT, 5/16"-18X1 1/8" (12.9001)	2	2										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			12	6		24					12	
	186285	BOLT, 3/8"-16X4" (12.9001)					2					3		
	106321	* BOLT, 1/2"-20X1 1/8" (12.9001)	1	1										
	5121403	WASHER, 21/64"X1"X3/16" (3.4080)	2	2										
	120392	* WASHER, 1/4" FLAT (12.9190)	2	2										
	120393	WASHER, 5/16" (12.9190)	AR	AR			AR					AR		AR
	120380	* LOCKWASHER, 1/4" (12.9200)	3	3										
	103319	LOCKWASHER, 1/4" (12.9200)					2					2	6	
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR			AR					AR		AR
	103321	LOCKWASHER, 3/8" (12.9200)			12	AR		AR					AR	
	123390	NUT, 1/4"-20 HEX. (12.9120)					2					2		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	197	198	200	223	236	238	241	242	249	251	255
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET (CONT'D)												
		* WITH MECHANICAL GOVERNOR. # WITH HYDRAULIC GOVERNOR. @ NOT SERVICED, USE (1) EACH OF 5108013, 5108014 PLUS (3) EACH OF 186625, 103340, 103321 AND 120376.												
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW												
	5133245	GASKET (3.1261)			2	1		2					2	
	5147423	GASKET (INTERCOOLER TO BLR. HSG.)											2	
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION												
	5148360	TUBE (BETWEEN TURBO & INTERCOOLER) (R.B.)											1	
	5148339	TUBE (BETWEEN TURBO & INTERCOOLER) (L.B.)											1	
5B	5162888	HOSE, 3 1/2"I.D.X2 3/4"L.	4	4		2	4	2		1	1		4	
	5144041	HOSE, 3"I.D.X2 1/2"							3					
	5148329	ELBOW (INTERCOOLER TO AIR INLET HOUSING)											2	
	5147912	CLAMP, 3 3/8" T-BOLT,	8	8		8	8	4		2			8	
	5188036	CLAMP, 3" HOSE (12.9660)							6					
	5147911	CLAMP, 3 1/2" T-BOLT,								1	2			
	179839	BOLT, 3/8"-16X1" (12.9001)											6	
	186291	BOLT, 3/8"-16X8 1/2" (12.9001)											12	
	103341	WASHER, 3/8" (12.9190)											AR	
	103321	LOCKWASHER, 3/8" (12.9200)											AR	
	102635	NUT, 3/8"-16 HEX. (12.9120)											AR	
		3.5421 - HOUSING, INTERCOOLER TO AIR INLET												
	5141488	HOUSING, INTERCOOLER OUTLET							1					
	179839	BOLT, 3/8"-16X1" (12.9001)							20					
	103321	LOCKWASHER, 3/8" (12.9200)							20					
	102635	NUT, 3/8"-16 HEX. (12.9120)							20					
		3.5423 - GASKET, TURBO TO AIR INLET HOUSING ADAPTOR												
	5147423	GASKET											2	
		3.5425 - INTERCOOLER, TURBOCHARGER												
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5148934	INTERCOOLER ASSY. (PAGE D1)					2					2		

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	197	198	200	223	236	238	241	242	249	251	255
		3.5425 - INTERCOOLER, TURBOCHARGER (CONT'D)												
	8542182	INTERCOOLER ASSY.							2					
	5148426	INTERCOOLER ASSY.											2	
	5149857	COVER											2	
	5149433	@ GASKET											2	
	5145086	GASKET (3.3030)					2					2		
	5149459	@ GASKET											2	
	5142599	GASKET (3.5418)							4					
	134519	DRAINCOCK					2					2		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					12		20			12		
	103341	WASHER, 3/8" (12.9190)					12					12		
	103321	LOCKWASHER, 3/8" (12.9200)					12		20			12		
	102635	NUT, 3/8"-16 HEX. (12.9120)							20					
		@ PART OF INTERCOOLER ASSY.												
		3.5426 - BRACKET, INTERCOOLER MOUNTING												
	5141619	SUPPORT							1					
	5148337	SUPPORT											1	
	5148403	SUPPORT											1	
	179839	BOLT, 3/8"-16X1" (12.9001)							4					
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)											6	
	179858	BOLT, 7/16"-14X1" (12.9001)							4					
	179860	BOLT, 7/16"-14X1 1/4" (12.9001)											4	
	103321	LOCKWASHER, 3/8" (12.9200)							4					
	103320	LOCKWASHER, 5/16" (12.9200)											4	
	103322	LOCKWASHER, 7/16" (12.9200)							4					
		3.5427 - TUBE, INTERCOOLER WATER SUPPLY												
	5199722	HOSE, BULK #16X20', 44.91" L. (12.8550)					1					1		
	5199722	HOSE, BULK #16X20', 17.91" L. (12.8550)					1					1		
	5199722	HOSE, BULK #16X20', 42.41" L. (12.8550)					1					1		
	140198	ELBOW, 3/4"-45 DEG. STREET (12.9590)					1					1		
	144116	ELBOW, 1"-45' STREET										1		
	5132060	BRACKET					1					1		
	5184291	CLIP, 1 1/4"					2					2		
	5101410	FILTER, WATER (1 1/2"X1 1/4" RED. BSHG. W/SCREEN)					1					1		
	125915	BUSHING, 1 1/4"X1"					1					1		
	9402713	CONNECTOR, FL. TUBE (12.9380)					4					4		
	5148825	CONNECTOR, 1 5/16"-12X3/4"-14 (3.5428)					1					1		
	5199727	FITTING, #16 HOSE										3		
	5199729	FITTING, #16 HOSE					3					3		
	179839	BOLT, 3/8"-16X1" (12.9001)					1					1		
	103321	LOCKWASHER, 3/8" (12.9200)					1					1		
	102635	NUT, 3/8"-16 HEX. (12.9120)					1					1		

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	197	198	200	223	236	238	241	242	249	251	255
		3.5428 - TUBE, INTERCOOLER WATER RETURN												
	5199722	HOSE, BULK #16X20' 19.91" L. (12.8550)					1					1		
	5199722	HOSE, BULK #16X20' 28.91" L. (12.8550)					1					1		
	5124780	BRACKET					1					1		
	5184291	CLIP, 1 1/4"					2					2		
	140798	ELBOW, 3/4"-45 DEG. STREET (12.9590)					1					1		
	5148825	CONNECTOR, 1 5/16"-12X3/4"-14					1					1		
	5199727	FITTING #16 HOSE					2					2		
	5199729	FITTING #16 HOSE					2					2		
	186622	BOLT, 3/8"-16X1/4" (12.9001)					1					1		
	103321	LOCKWASHER, 3/8" (12.9200)					1					1		
	102635	NUT, 3/8"-16 HEX. (12.9120)					1					1		
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY												
5D	5131575	HOSE, FLEX. (39 1/4" L.) (7.8300)			2	1							2	
5D	5137131	HOSE, FLEX. (47" L.) (2.5149)				1								
	5110183	HOSE, FLEX. (58" L.)		1										
	5189176	HOSE, FLEX. (64" L.)	2				2					2		2
	5133206	HOSE, FLEX. (74" L.)		1										
5D	5199575	HOSE, BULK #6X25' (70.2" L.)						2						
	5101237	HOSE							2					
	5131803	HOSE, FLEX. (58" L.) (2.5217)								1	1			
	5131847	COVER (OIL INLET)	2	2	2	1	2	2	2	1	1	2	1	2
	5170466	GASKET (COVER)	2	2	2	1	2	2	2	1	1	2	2	2
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STGHT.						2						
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG.						2						
	5129184	TEE, 1/4" PIPE SPL. (2.5149)						1						
	444148	TEE, 1/4"-18 (12.9616)							1					
	178690	TEE, 3/8" INV. FL. (12.9490)											1	
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)								1	1			
	143337	ELBOW, 5/16"-45 DEG. TUBE (12.9480)							1					
	9432245	ELBOW, 5/16"-90 DEG. TUBE (12.9480)							1					
	9432248	ELBOW, 3/8"-90 DEG. TUBE (12.9480)							1					
	118755	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	4	4			4					4		4
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			2	1		1		1	1		1	
	187343	CONNECTOR, 5/16" TUBE, 1/4" PIPE (12.9460)							3					
	442323	CONNECTOR, 3/8" TUBE X 1/4" (12.9460)			2	1		1					2	
	444000	ADAPTOR, 1/4" PIPE (12.9460)	2	2			2			1	1	2		2
	5142470	TUBING, SPIRAL (7.7020)											1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)				1								
	179839	BOLT, 3/8"-16X1" (12.9001)	4	4	4	2			4	2	2	4	4	4

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	197	198	200	223	236	238	241	242	249	251	255
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	3	AR		4	2	2	4	4	4
	102635	NUT, 3/8"-16 HEX. (12.9120)				AR								
		3.5502 - CLIP, OIL SUPPLY TUBE												
	2488022	CLIP (2.5100)	3	3				4		3	1	3		
	5147599	CLIP, #6 (2.5120)	1	1				4		1	1			
	3291251	CLIP, 5/8" TUBE, 1/2" BOLT (1.1060)			1	1	1					1		1
	5100364	CLIP, 5/8" TUBE (2.5070)					4					4		4
	5171509	CLIP, 5/8"				1								
	5184291	CLIP, 1 1/4"				1								
	5114551	TAG, (7.4545)	2				2							
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)	2	2			2							
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)	2	2			2							
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	1	1										
	179858	BOLT, 7/16"-14X1" (12.9001)									1			
	5131433	WASHER,	2	2			2							
	103341	WASHER, 3/8" (12.9190)									1			
	103342	WASHER, 7/16" (12.9190)									1			
	5125108	WASHER, 7/16"X3/4" COTTER (2.4050)						4			1			
	103322	LOCKWASHER, 7/16" (12.9200)									1			
		3.5505 - TUBE, TURBOCHARGER OIL RETURN												
	5100912	TUBE (DEV. L. 4.40")						1						
	5100911	TUBE (DEV. L. 5 1/2")						1						
	5143097	+ TUBE (DEV. L. 9") (5106998)								1		1		
	5143603	TUBE (DEV. L. 12")	1	1			1					1		1
	5143604	TUBE (DEV. L. 13")	1	1			1					1		1
	5100616	TUBE (DEV. L. 6.40")							2					
	5106039	TUBE (DEV. L. 16")							1		1			
	5146231	TUBE (DEV. L. 33")	1	1			1					1		1
	5143971	TUBE (DEV. L. 33")	1	1			1							1
	5143970	TUBE (DEV. L. 38.65")										1		
	5102959	TUBE (DEV. L. 12.96")											2	
5B	5143701	TUBE ASSY. (L.B.)				1								
	5100904	TUBE ASSY. (L.B.)						1						
	5100905	TUBE ASSY. (R.B.)						1						
	5122948	* HOSE (3 1/2"L.) (5169721) (12.6001)	2	2			2					2		2
	5169721	HOSE, 7/8"X2 1/2" L.			2	1		2						
5D	5143299	HOSE (42" L.) (4.3020)				1								
	5128120	HOSE (1 1/2" L.)							2	2	2			
	5144188	HOSE (29" L.) (4.3020)							2					
	5137236	HOSE (24" L.) (4.7100)											2	
	5104946	COVER (3.5503)			2	1								

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	197	198	200	223	236	238	241	242	249	251	255
		3.5505 - TUBE, TURBOCHARGER OIL RETURN (CONT'D)												
	5188498	COVER, OIL PAN				1								
	5170468	GASKET	2	2		2	2	2		1	1	2	2	2
	5168176	GASKET (4.5007)				1								
	5186840	CLAMP, HOSE (13/16"-1 1/2") (12.9660)	4	4	4	2	4	4		4	2	4		4
	140798	ELBOW, 3/4" PIPE-45 DEG. STREET (12.9590)						1					2	
	144116	ELBOW, 1" PIPE-45 DEG. STREET (12.9590)							1					
	119099	ELBOW, 3/4" PIPE-90 DEG. (12.9600)	1				1							1
	141621	ELBOW, 3/4"-90 DEG. STREET (12.9590)	1	2			2					1		1
	5125906	CONNECTOR, 3/4" PIPE X 1" FL. TUBE (4.4330)				1								
	144094	COUPLING, 1"X3/4" RED. (9.9530)											2	
	5142470	TUBING, SPIRAL (7.7020)											2	
	5138309	@ CONNECTOR ASSY., 7/8" TUBE SEALASTIC (12.9415)	2	2			2					2		2
	5176532	SEAL RING, 7/8" TUBE (SEALASTIC) (12.9435)	2	2			2					2		2
	444134	TEE, 1/4"-18 PIPE (12.9490)			1	1								
	144613	NIPPLE, 3/4"X1 3/8" (12.9560)	1				1							1
	193004	ELBOW, 3/8" 90 DEG. (12.9590)				1								
	128067	NIPPLE, 3/4"X1 1/2" PIPE (12.9560)	1											
	128003	BUSHING, 1"X3/4" RED. (12.9570)							2					
	5123812	GASKET						2						
	5138977	GASKET							2					
	5143074	FLANGE				1								
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)	2	2			2					2		2
	5113655	STUD, 5/16"-18X5/16"-24X2.46" (7.4509)	2	2			2					2		2
	5142549	PLUG, 3/4" PIPE (12.9550)				1								
	179802	BOLT, 1/4"-20X1 5/8" (12.9001)						4						
	179838	BOLT, 3/8"-16X7/8" (12.9001)	4	4			4			2	2	4		4
	179839	BOLT, 3/8"-16X1" (12.9001)			4	2		2	4			2	4	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				1								
	179849	BOLT, 3/8"-16X2 1/2" (12.9001)				1								
	179857	BOLT, 7/16"-14X7/8" (12.9001)						4						
	5179709	WASHER, 17/64"I.D.X1/2"O.D.X.065" THICK (2.7175)						4						
	103341	WASHER, 3/8" FLAT (12.9190)				1								
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	2	4	2	2	6	4	4
		* NOT SERVICED; STANDARD LENGTH HOSE SHOWN WILL BE PROVIDED.												
		@ INCLUDES SEAL RING IN 3.5505 PLUS NUT NOT SOLD SEPARATELY												
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.												
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE												
	5160629	CLIP, 13/32"X7/32" (4.2270)							1					
	5153473	CLIP, 1/2"							2					
	3291251	CLIP, 5/8" (1.1060)			2	1							3	

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	197	198	200	223	236	238	241	242	249	251	255
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE (CONT'D)												
	5171509	CLIP, 5/8" (9.1591)											1	
	5145492	CLIP, 3/4"X13/32"								1	1			
	5186803	CLIP, 13/16" (7.7380)	1	1			1					1		1
	5165244	CLIP, 7/8" (4.8040)	1	1			1					1		1
	2476233	CLIP, #12							2					
	5108956	BRACKET, CLIP (4.1540)								1				
	5155464	BRACKET, CLIP									1			
	5196119	SPACER, 13/32"X7/8" (3.4001)										1		
	179835	BOLT, 3/8"-16X5/8" (12.9001)								1				
	186029	BOLT, 5/16-18X1 (12.9001)									1			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							1					
	186317	BOLT, 3/8"-24X5" (12.9001)							1					
	179858	BOLT, 7/16"-14X1" (12.9001)								1				
	179860	BOLT, 7/16"-14X1 1/4" (12.9001)								1				
	103341	WASHER, 3/8" FLAT (12.9190)			3									
	103342	WASHER, 7/16" (12.9190)											1	
	5125108	WASHER, 7/16" (12.9190)								1				
	103321	LOCKWASHER, 3/8" (12.9200)								1				
	103320	LOCKWASHER, 5/16" (12.9200)									1			
	103322	LOCKWASHER, 7/16" (12.9200)								1				
	102635	NUT, 3/8"-16 HEX. (12.9120)								1	1			
		3.5535 - INSULATOR, BLANKET TURBOCHARGER												
	5144091	+ INSULATION, BLANKET (5101644)							2					
	5144092	INSULATION, BLANKET							2					
	5104074	INSULATION, BLANKET							2					
	5101619	INSULATION, BLANKET										8	2	
	5101639	INSULATION, BLANKET											2	
	5101644	INSULATION, BLANKET							2	2			2	

+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 256	257	261	280	281	282	283	291	294	295	296	297	300	301
	3.5001	**- TURBOCHARGER**														
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.														
5F	**5101613**	TURBOCHARGER ASSY. (4MF-782) (8V) (PAGE C1)	1	1		1		1	1							
5F	**5102349**	TURBOCHARGER ASSY. (4MF-782) (12V) (PAGE C1)					1									
5A	**5144566**	TURBOCHARGER ASSY. (T-18A40) (12V) (PAGE C1)					1									
5A	**5141676**	+ TURBOCHARGER ASSY. (T-18A40) (16V) (PAGE B1) (5103840)									2	2		2	2	2
5A	**5141854**	+ TURBOCHARGER ASSY. (T-18A40) (16V) (PAGE C1) (5103838)											2			
5A	**5101508**	TURBOCHARGER ASSY. (TV8101) (PAGE A1)			1					2						
	5130488	STUD, 3/8"-16X24X1.88" (5.2030)	4	4	4	4		4	4		4					
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)								8		8	8	8	8	8
	5131433	WASHER, (1.5001)	4	4	4	8		8	8		8					
	9411981	NUT, 3/8 -24 (SEIZPROOF) (12.9120)	4	4	4	8		8	8	8	8	8	8	8	8	8
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.														
	3.5002	**- BRACKET, TURBOCHARGER SUPPORT**														
	8922790	SUPPORT (UPPER)					1									
	8922789	SUPPORT (LOWER)					1									
	5143664	SUPPORT (L.H.)					1									
	5195500	SPACER, 13/32" I.D.X.624"X.380" (12.4050)					4									
	5189440	SPACER, 13/32" I.D.X 15/32" (2.8756)					3									
	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)					3									
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)					3									
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)					1									
	186317	BOLT, 3/8"-24X5" (12.9001)					3									
	5132147	WASHER, 13/32"X1.06"X.20" (3.4030)					2									
	103321	LOCKWASHER, 3/8" (12.9200)					2									
	102635	NUT, 3/8"-16 HEX. (12.9120)					2									
	3.5300	**- BRACKET, TURBOCHARGER MOUNTING**														
		AN ASSY. INCLUDES TUBE IN 3.5300 AND BRACKET WHICH IS NOT SERVICED SEPARATELY.														
	5140612	BRACKET ASSY.	1	1		1		1	1							
	5147315	BRACKET			1											
	5124331	TUBE (1.06" L.) (7.1595)	1	1		1		1	1							
	5122266	GASKET	1	1		1		1	1							
	5175882	GASKET (4.4115)			3											
	186647	BOLT, 1/4"-20X1" (12.9001)				2		2	2							
	5104604	BOLT, 1/4"-20X1 1/4" (4.8001)	2	2												
	179839	BOLT, 3/8"-16X1" (12.9001)				2		2	2							
	8927582	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2												
	189950	BOLT, 3/8"-24X4 3/8" (12.9001)			3											
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)				1		1	1							
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)			2											
	103342	WASHER, 7/16" (12.9190)						1								
	103319	LOCKWASHER, 1/4" (12.9200)	2	2		2		2	2							
	103321	LOCKWASHER, 3/8" (12.9200)	2	2		2		2	2							
	103322	LOCKWASHER, 7/16" (12.9200)	1	1	2	2		1	2							

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 256	257	261	280	281	282	283	291	294	295	296	297	300	301
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET														
5B	5143567	ADAPTOR								1	1	1	1	1	1	1
5B	5143568	ADAPTOR (30 DEG. ELBOW)								1	1	1	1	1	1	1
	5132798	ADAPTOR					1									
	5133154	ADAPTOR					1									
	5146528	ADAPTOR (TEE)			1											
	5143705	TUBE ASSY.					1									
5D	5143692	TUBE					1									
	5101417	TUBE (R.B.)							1							
	5101416	TUBE (L.B.)							1							
	5140614	TUBE (R.B.)	1	1		1		1								
	5140615	TUBE (L.B.)	1	1		1		1								
	5146766	TUBE (R.B.)			1											
	5146775	TUBE (L.B.)			1											
	5128641	STUD, 3/8"-16-24X1 1/2" (1.7600)	4						4							
	8927270	STUD, 3/8"-16/24"X1.62" (12.9117)		4		4		4								
	5144598	STUD, 1/2"-13X20"X1 15/16" (12.9117)					8									
	5129111	STUD, 5/8"-11 X 2.60" (1.5001)								8	8	8	8	8	8	8
	5146165	CLAMP (3.88" DIA.) (6.2085)	2	2		2										
	5137619	CLAMP (4 1/2" DIA.) (6.2085)	2	2	2	2		2	2							
	5143106	TEE	1	1		1		1	1							
	5137620	CLAMP (3.82" DIA.) (6.2085)			2			2	2							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			3											
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)					14									
	5132147	WASHER, 13/32"X1.06"X.20"			3											
	5131433	WASHER, (1.5001)	4	4		4		4	4							
	103321	LOCKWASHER, 3/8" (12.9200)			3											
	9411981	NUT, 3/8"-24X9/16" (12.9120)	AR	AR		AR	AR	AR	AR							
	9415992	NUT, 1/2"-20X3/4" (12.9120)					AR									
	5103952	NUT, 5/8"-18 SPL.								8	8	8	8	8	8	8
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION														
	8923492	GASKET	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	5108989	GASKET (6.2105)					2									
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION														
	5102277	SUPPORT								2	2	2	2	2	2	2
	5176829	STUD, 7/16"-14-20X2 3/32" (6.1020)								2	2	2	2	2	2	2
	5143483	SPACER								4	4	4	4	4	4	4
	5108436	SPACER, 15/32"X15/16"X5/32" (7.1598)								6	6	6	6	6	6	6
	5143484	PLATE, BOLT LOCKING								2	2	2	2	2	2	2
	5104688	PLATE, BOLT LOCKING								2	2	2	2	2	2	2
	5101377	BOLT, 3/8"-16X1" W/SEAL PATCH (5.2020)								4	4	4	4	4	4	2
	8921936	BOLT, 7/16"-14X1 1/4" (12.9001)								2	2	2	2	2	2	4
	9174746	NUT, 7/16"-20 LOCK (12.9120)								2	2	2	2	2	2	2
		3.5398 - BRACKET, TURBOCHARGER AIR INLET														
	5144850	BRACKET					1									
	5148068	BRACKET (3.5417)														1
	5101425	* SUPPORT													1	
	5108013	SUPPORT								1						
	5108014	SUPPORT								1						

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 256	257	261	280	281	282	283	291	294	295	296	297	300	301
		3.5398 - BRACKET, TURBOCHARGER AIR INLET (CONT'D)														
	5138881	BRACKET, SUPPORT (4.1450)														1
	186647	BOLT, 1/4"-20X1" (12.9001)													2	
	445566	BOLT, 1/4"-20X1 1/8" (12.9001)													1	
	186618	BOLT, 5/16"-18X5/8" (12.9001)														4
	186625	BOLT, 5/16"-18 X 7/8" (12.9001)								3						
	8920631	BOLT, 5/16"-18X1" (12.9001)													1	
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)								2					2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					2									
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)					2									
	120392	WASHER, 1/4" FLAT (12.9190)													3	
	120393	WASHER, 5/16" (12.9190)								4			4		3	4
	5121403	WASHER, 21/64"X1"X3/16" (3.4080)								1					3	
	5132147	WASHER, 13/32"X1.06"X.20" (3.4030)					2									
	103319	LOCKWASHER, 1/4" (12.9200)													3	2
	103320	LOCKWASHER, 5/16" (12.9200)								5					3	4
	103321	LOCKWASHER, 3/8" (12.9200)					4									2
	123390	NUT, 1/4"-20 JAM (12.9120)													3	
	120376	NUT, 5/16"-18 (12.9120)								3						
		* NOT SERVICED, USE (1) EACH OF 5108013, 5108014.														
		3.5400 - ELBOW, TURBOCHARGER AIR INLET														
	5133155	ADAPTOR (3.5305)					1									
	5108270	HOSE, 5 1/2" I.D.X3.50" L.					4									
	5114937	CLAMP, 6" HOSE (3.1280)					4									
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET														
	5146773	TUBE			1											
5B	**5143771**	ELBOW					2									
	5140027	ELBOW						1								
	5108017	TUBE									1	1	1		1	
	5108016	TUBE									1	1	1			
5B	**5143707**	TUBE (L.B.) (3.5400)					1									
	5148793	TUBE (L.B. REAR)												1		1
	5147170	TUBE (L.B. FRONT)												1		1
	5108015	TUBE													1	
	5108018	TUBE								1						
	5108019	TUBE								1						
	5106905	HOSE (3 1/2"I.D.X3 1/4"L.) (3.5420)					1	4	4	4	4	4	4	4	4	4
	5147912	CLAMP, "T" BOLT 3 1/2" (3.5420)								8	8	8	8	8	8	8
	5102094	CLAMP, 3/4"-20 "U" BOLT 2.26" L. (3.5427)														1
	5148068	BRACKET								2	1	1	1	1	2	
	5148487	BRACKET												1		1
	5138881	BRACKET (4.1540)												1		
	5146216	@ SUPPORT									1	1	1			
	115237	TEE, 1" PIPE (12.9616)												1		1
	5121182	PLUG, 1/4" PIPE (12.9550)						1								
	5142549	PLUG, 3/4" PIPE (12.9550)					2									
	186647	* BOLT, 1/4"-20X1" (12.9001)										2	2	2		

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 256	257	261	280	281	282	283	291	294	295	296	297	300	301
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET (CONT'D)														
	186618	BOLT, 5/16"-18X5/8" (12.9001)								4	4	4	4	4	4	
	8920631	BOLT, 5/16"-18X1" (12.9001)									1	1	1			
	179819	# BOLT, 5/16"-18X1 1/8" (12.9001)									1	1	1			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					12									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						6								
	455537	BOLT, 3/8"-16X4" (12.9001)												2		2
	445566	* BOLT, 1/4"-20X1 1/8" (12.9001)									1	1	1			
	5121403	WASHER, 21/64"X1"X3/16" (3.4080)									2	2	2			
	120392	* WASHER, 1/4" (12.9190)									2	2	2			
	120393	WASHER, 5/16" (12.9190)								AR	AR	AR	AR	AR	AR	
	103319	LOCKWASHER, 1/4" (12.9200)									AR	AR	AR	AR	AR	
	103320	LOCKWASHER, 5/16" (12.9200)								AR	AR	AR	AR	AR	AR	
	103321	LOCKWASHER, 3/8" (12.9200)					AR	AR								
	120376	NUT, 5/16"-18 (12.9120)								AR						
		* WITH MECHANICAL GOVERNOR.														
		# WITH HYDRAULIC GOVERNOR														
		@ NOT SERVICED, USE (1) EACH OF 5108013 AND 5108014.														
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW														
	5133245	GASKET (3.1261)					2									
	5145635	GASKET						1								
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION														
5B	5162888	HOSE, 3 1/2"I.D.X2 3/4"L.	1	1	2	2										
	5147912	CLAMP, 3 3/8" T-BOLT, .75"W.					2	6	2							
	5147911	CLAMP, 3 1/2" T-BOLT, .50"W.	2	2	4	2			1							
		3.5425 - INTERCOOLER, TURBOCHARGER														
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.														
	5148934	INTERCOOLER ASSY. (PAGE D1)												2		2
	5145086	GASKET (3.3030)												2		2
	8926979	DRAINCOCK, 1/8" (12.9510)												2		2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)												12		12
	103341	WASHER, 3/8" (12.9190)												12		12
	103321	LOCKWASHER, 3/8" (12.9200)												12		12
		3.5427 - TUBE, INTERCOOLER WATER SUPPLY														
	5199722	HOSE, BULK #16X20', 44.91 L. (12.8550)												1		1
	5199722	HOSE, BULK #16 X 20', 17.91 L. (12.8550)												1		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 256	257	261	280	281	282	283	291	294	295	296	297	300	301
		3.5427 - TUBE, INTERCOOLER WATER SUPPLY (CONT'D)														
		(12.8550)														
	5199722	HOSE, BULK #16X20', 42.41 L. (12.8550)												1		1
	141621	ELBOW, 3/4" 90 DEG. STREET (12.9590)												1		1
	5132060	BRACKET (4.1540)												1		1
	5184291	CLIP, 1 1/4" (8.3820)												2		2
	5101410	FILTER, WATER (1 1/2"X1 1/4" RED. BSHG. W/SCREEN)												1		1
	125915	BUSHING 1 1/4" X 1" (12.9570)												1		1
	9402713	CONNECTOR, FL. TUBE (12.9380)												4		3
	5148825	CONNECTOR, 1 5/16 -12X3/4 -14 (3.5428)												1		1
	5199580	FITTING, #8 HOSE (12.8552)												2	2	
	5199727	FITTING, #16 HOSE												3	2	
	5199729	FITTING, #16 HOSE												3	2	
	179839	BOLT, 3/8"-16X1" (12.9001)												1	1	
	103321	LOCKWASHER, 3/8" (12.9200)												1	1	
	102635	NUT, 3/8"-16 HEX. (12.9120)												1	1	
		3.5428 - TUBE, INTERCOOLER WATER RETURN														
	5199722	HOSE, BULK #16X20', 19.91 L. (12.8550)												1		
	5199722	HOSE, BULK #16X20', 28.91 L. (12.8550)												1		
	5199722	HOSE, BULK #16X20+, 30.91" L. (12.8550)														1
	5124780	BRACKET (4.1510)												1		1
	5184291	CLIP, 1 1/4" (8.3820)												2		3
	141621	ELBOW, 3/4" 90 DEG. STREET (12.9590)												2		1
	5148825	CONNECTOR, 1 5/16"-12X3/4"-14												1		1
	5199727	FITTING, #16 HOSE												2		2
	5199729	FITTING, #16 HOSE												2		2
	179839	BOLT, 3/8"-16X1" (12.9001)												1		1
	103321	LOCKWASHER, 3/8" (12.9200)												1		1
	102635	NUT, 3/8"-16 HEX. (12.9120)												1		1
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY														
5D	**5131575**	HOSE, FLEX. (39 1/4"L.) (7.8300)					2									
	5133206	HOSE, 5/16" X 74" L.								1						
	5145531	HOSE, #6 X 73" L. (2.5100)						1								
	5199575	HOSE, BULK #6X25' 70.27"L. (12.8550)									1	1	1			
	5199575	HOSE, BULK #6X25' 62.27 L. (12.8550)										1		1	1	
	5199575	HOSE, BULK #6X25' 66.27"L. (12.8550)												1	1	1
	5199575	HOSE, BULK #6X25' (CUT L. 44") (12.8550)			1											
	5131803	HOSE, FLEX. (58" L.) (2.5217)	1	1		1			1							
	5110183	HOSE, 5/16" X 58" L.								1						
	5131847	COVER (OIL INLET)	1	1	1	2	1	2	2	2	2	2	2	2	2	2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 256	257	261	280	281	282	283	291	294	295	296	297	300	301
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY (CONT'D)														
	5170466	GASKET (COVER)	1	1	1	1	2	2	2	2	2	2	2	2	2	2
	8924380	PLUG, 1/8" SQ. SOC. PIPE (12.9550)	1													
	113175	PLUG, 1/8" SQ HD PIPE BRS. (12.9550)						1								
	5121182	PLUG, 1/4" HEX. SOC. PIPE (2.4015)			1											
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STGHT (12.8552)			1						2	2	2	2	2	2
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.8552)			1											
	5149274	FITTING, HOSE 5/8"-18									2	2	2	2	2	2
	2191465	TEE, 1/8" INT. X 1/4" EXT. PIPE (7.8295)	1					1								
	8924199	TEE, 1/4"X1/4"X5/8"-18 (7.4694)			1											
	8924168	ELBOW, 90 DEG. STREET; 1/4" PIPE (12.9590)	1	1		1			1							
	8925030	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		1		1	2	2	4		2	2	4	4	2	2
	8924998	ELBOW, 3/8"-90 DEG. PL. TUBE (12.9390)								4						
	8924157	ELBOW, 3/4" PIPE-45 DEG. STREET (12.9590)														2
	8924171	CONNECTOR, 3/8" TUBE X1/4" (12.9460)			1		1									
	8924172	ADAPTOR, 1/4" PIPE (12.9460)	1	1		1		2	2	2	2	2	2	2	2	2
	179838	BOLT, 3/8"-16X7/8" (12.9001)											4	2	2	
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2	4	4	4	4	4	4	4	4	4	4
	179858	BOLT, 7/16"-14X1" (12.9001)	1			1										
	103341	WASHER, 3/8" (12.9190)											4		2	
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2	4	2	2	4	4	4	4
	102635	NUT, 3/8"-16 (12.9120)											4		2	
		3.5502 - CLIP, TURBOCHARGER OIL SUPPLY TUBE														
	2488022	CLIP (2.5100)	1	1	1	4			3		4	5	8	5	3	
	5147599	CLIP, #6 (2.5120)	1	1		1	2	1	1		2	2		1	2	1
	3291251	CLIP, 5/8" TUBE, 1/2" BOLT (1.1060)								1	1		1	1		1
	5100364	CLIP, 5/8" TUBE (2.5070)								4	1					1
	5143841	BRACKET, CLIP (2.5180)								2	2	4	2	2		2
	5114551	TAG, (7.4545)						1			2			2		1
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)								2	1	1	1	1		
	5163906	SPACER, 15/32"X1/4"X13/16" (7.1598)												1		1
	5159347	SPACER, 3/4"X1/2" (7.1581)								2	2	2	2	2	2	2
	8921933	BOLT, 3/8"-16X.88" (12.9001)								2						
	179838	BOLT, 3/8"-16X7/8" (12.9001)									2	4				2
	9409215	BOLT, 3/8"-16X1 1/4" (12.9001)								3	3	3	3	3	3	3
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)								1	1		1			
	179858	BOLT, 7/16"-14X1" (12.9001)						1								
	5131433	WASHER, .41" X .81" X .14" (1.5001)								AR	AR	AR	AR	AR	AR	AR
	103341	WASHER, 3/8" (12.9190)		1		2	2				2	2		2	2	2
	103342	WASHER, 7/16" (12.9190)		1				1								
	5125108	WASHER, 7/16"X3/4" COTTER (2.4050)		1		4		1								
	103321	LOCKWASHER, 3/8" (12.9200)								2						
	103322	LOCKWASHER, 7/16" (12.9200)		1		1		1								
	102635	NUT, 3/8"-16 HEX. (12.9120)									2				2	2
		3.5505 - TUBE, TURBOCHARGER OIL RETURN														
	5143097	+ TUBE (DEV. L. 9") (5106998)	1													
	5143702	TUBE (DEV. L. 10.64")					1									
	5106997	TUBE (DEV. L. 14.38")						1								

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 256	257	261	280	281	282	283	291	294	295	296	297	300	301
		3.5505 - TUBE, TURBOCHARGER OIL RETURN (CONT'D)														
	5145226	TUBE (DEV. L. 11.86")				1			1							
	5143603	TUBE (DEV. L. 12")								1	1	1	1	1	1	1
	5143604	TUBE (DEV. L. 13")									1	1	1	1	1	1
	5106992	TUBE (DEV. L. 13.77")								1						
	5146231	TUBE (DEV. L. 33")								1	1	1	1	1	1	1
	5143971	TUBE (DEV. L. 33")												1	1	1
	5102363	TUBE (DEV. L. 32.56")								1	1	1	1			
	5143856	TUBE & FLANGE ASSY.		1	1											
5B	**5143701**	TUBE ASSY. (L.B.)				1										
	5169721	*HOSE, 7/8" I.D.X24"L. (CUT L. 3 1/2") (4.8010)*									2	2	2	2	2	2
	5169721	HOSE, 7/8" I.D.X24"L. (CUT L. 2 1/2") (4.8010)					2									
	5128120	HOSE (2.26"L.)	1			2		1	1							
	5144628	HOSE (21" L.)		1												
	5104946	COVER (3.5503)		1			1									
	5170468	GASKET	1	1	1	1	1	1	1	2	1	1	1	1	1	2
	5186840	CLAMP, HOSE (13/16"-1 1/2") (12.9660)	2	2		4	4	4	4	4	4	4	4	4	4	4
	119099	*ELBOW, 3/4" PIPE-90 DEG. (12.9600)*										1		2	1	
	141621	ELBOW, 3/4"-90 DEG. ST. (12.9590)								2	2	1	2		1	
	8925030	ELBOW, 3/8 90 DEG. INV. FL. TUBE. (12.9480)					2									
	8925097	@ CONNECTOR ASSY., 7/8" TUBE SEALASTIC (12.9415)								2	2	2	2	2	2	2
	5176532	SEAL RING, 7/8" TUBE (SEALASTIC)									2	2	2	2	2	
	8924176	TEE, 1/4"-18 PIPE (12.9490)					1									
	8924164	NIPPLE, 3/4"X1 3/8" (12.9560)										1		2	1	
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)								2	2	2	2	2		
	5160629	*SPACER, 5/8"O.D.X.109" THK.X7/32"L. (4.2270)*		1												
	5113655	STUD, 5/16 -18X5/16 -24X2.46 (7.4509)								2	2	2	2	2	2	2
	179802	BOLT, 1/4"-20X1 5/8" (12.9001)	2	2												
	179839	BOLT, 3/8"-16X1" (12.9001)					4									
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2	2	2	2		4	4	4	4	4	4	2	4	4
	9430221	BOLT, 3/8"-24X4 3/4" (1.2080)		1												
	103341	WASHER, 3/8" (12.9190)	1											2		
	103321	LOCKWASHER, 3/8" (12.9200)	2	3	2	2	2	2	2	4	2	2	2	2	2	4
	102635	NUT, 3/8"-16 (12.9120)												2		
	274558	NUT, 5/16"-24 (12.9120)								2		2			2	
		@ INCLUDES SEAL RING IN 3.5505 PLUS NUT NOT SOLD SEPARATELY														
		+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.														
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE														
	5177623	CLIP, 3/8" (2.5120)									2	2	2	2	2	2
	5145492	CLIP, 3/4"X13/32"				1			1							
	5186803	CLIP, 13/16" (7.7380)								1	1	1	1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 256	257	261	280	281	282	283	291	294	295	296	297	300	301
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE (CONT'D)														
	5165244	CLIP, 7/8" (4.8040)								1	1	1	1	1	1	1
	5108956	BRACKET, CLIP (4.1540)				1			1							
	5125912	BRACKET (4.1540)									2	2	2	2	2	2
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)													2	2
	179858	BOLT, 7/16"-14X1" (12.9001)							2							
	103341	WASHER, 3/8" (12.9190)				2										
	5125108	WASHER, 7/16" (12.9190)							4							
	103321	LOCKWASHER, 3/8" (12.9200)				1			4							
	102635	NUT, 3/8"-16 (12.9120)				1			1							

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	323	344	360	361	362	363	364	365	370	387	388
		3.5001 - TURBOCHARGER													
		• FOR TYPE 349 USE TYPE 462.▪ • FOR TYPE 358 USE TYPE 549 ▪ REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW													
5A	5103875	TURBOCHARGER ASSY.(T18A40)(12V) (PAGE B1)			2							2		1	
	5101508	TURBOCHARGER ASSY. (TV8101) (8V) (PAGE A1)											1		
5A	5141854	+ TURBOCHARGER ASSY.(T18A40)(8V) PAGE C1) (5103838)					1								
	5102349	TURBOCHARGER ASSY. (4MF-782) (12V) (PAGE C1)						2							
5A	5142193	TURBOCHARGER ASSY.(T18A40) (12V) (PAGE B1)							2						
	5103294	+ TURBOCHARGER ASSY. (T18A94) (8V) (PAGE A1) (5104478)	1	1											
	5101613	TURBOCHARGER ASSY.(4MF-782)(8V) (PAGE C1)								1	1				1
	5150362	STUD, 3/8"-16X1 11/16" (5.2020)					4							4	
	5130488	STUD, 3/8"-16X24X1.88" (5.2030)	4	4						4	4		4		4
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			14										
	5131433	WASHER, .41"X.81"X.1345" (1.5001)	4	4			4			8	8		4	4	4
	9411981	NUT, 3/8"-24 (SEIZPROOF)	4	4	14		4			8	8	8	4	4	4
		+ NOT SERVICED USE NUMBER SHOWN IN PARENTHESES													
		3.5002 - BRACKET, TURBOCHARGER SUPPORT													
	5100900	BRACKET, R.H.			1										
	5100899	BRACKET, L.H.			1										
	5102827	BRACKET, R.H.	1												
	5143664	SUPPORT (L.H.)						1	1						
	8922790	SUPPORT (UPPER)						1	1						
	8922789	SUPPORT (LOWER)						1	1						
	5163906	SPACER, 15/32"X1/4"X 13/16"(7.1598)			4										
	5157412	SPACER, 7/8"X13/32"X 1/4"(7.4013)			6										
	5195500	SPACER, 13/32" I.D. X .624 X .380 (12.4050)						4	4						
	5189440	SPACER, 13/32"I.D.X 15/32"(2.8756)						2	3						
	186628	BOLT, 3/8"-16X 1/2" (12.9001)			6										
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)						3							
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)						3	3						
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)						3	3						
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)						1	1						
	186317	BOLT, 3/8"-24X5" (12.9001)						1	3						
	186626	BOLT, 7/16"-14 X 1 5/8 (12.9001)			4										
	5132147	WASHER, 13/32"X1.06X.20 (3.4030)						13	3						
	103322	LOCKWASHER, 7/16" (12.9200)			4										
	103321	LOCKWASHER, 3/8" (12.9200)	3		6			4	4						
	103341	WASHER, 3/8" (12.9120)			2										
	102635	NUT, 3/8"-16 HEX. (12.9120)						6	4						

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	323	344	360	361	362	363	364	365	370	387	388
		3.5300 - BRACKET, TURBOCHARGER MOUNTING													
		AN ASSY. INCLUDES TUBE IN 3.5300 AND BRACKET WHICH IS NOT SERVICED SEPARATELY.													
	5140612	BRACKET ASSY.					1			1	1		1	1	1
	5124331	TUBE (1.06" L.) (7.1595)					1			1	1		1	1	1
	5122266	GASKET (7.1597)					1			1	1		1	1	1
	5101377	BOLT, 3/8"-16 X 1" W/SEAL PATCH (5.2020)											2		2
	179839	BOLT, 3/8-16 X 1"					2				2				
	5104599	BOLT, 3/8"-16X1.13" (12.9001)								2				2	
	186647	BOLT, 1/4"-20X1" (12.9001)					2				2		2		
	5104593	BOLT, 1/4"-20 X 1"													2
	5104604	BOLT, 1/4"-20X1 1/4" (4.8001)								2				2	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)					1				1				1
	8921936	BOLT, 7/16"-14X1.25" (12.9001)											1		
	103322	LOCKWASHER, 7/16" (12.9200)					1			1	1		1	1	1
	103321	LOCKWASHER, 3/8" (12.9200)					2			2	2		2	2	2
	103319	LOCKWASHER, 1/4" (12.9200)					2			2	2		2	2	2
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET													
	5132798	ADAPTOR, R.H.			1			1	1						
	5133154	ADAPTOR, L.H.			1			1	1						
	5143106	ADAPTOR					1								
	5141876	ADAPTOR										2			
	5143705	TUBE ASSY. (R.B.)						1	1						
	5143692	TUBE (L.B.)						1	1						
	5101417	TUBE (R.B.)									1				
	5101414	TUBE (R.B.)												1	
	5101416	TUBE (L.B.)									1				
	5101415	TUBE (L.B.)												1	
	5140614	TUBE (R.B.)					1			1			1		1
	5140615	TUBE (L.B.)					1			1			1		1
	5102754	TUBE (L.B.)	1												
	5102755	TUBE (R.B.)	1												
	8920985	TUBE		1											
	5144598	STUD, 1/2"-13X20X1 15/16" (12.9117)						8	8						
	5150362	STUD, 3/8"-16X24X1 11/16" (5.2020)								4			4	4	4
	5128641	STUD, 3/8"X1 1/2"									4				
	5162888	HOSE (3 1/2 I.D.X2 3/4"L. (3.5420)		2			1							1	1
	5147912	CLAMP					2							2	
	5147911	CLAMP		4											2
	5146165	CLAMP (3.88 DIA.) (6.2085)	2				2			2	2		2	4	2
	5137618	CLAMP (4.90 DIA.) (6.2085)						2	2						
	5137619	CLAMP (4.50 DIA.) (6.2085)	2				2			2	2		2		2
	5143106	TEE								1	1		1	1	1
	5102751	TEE	1												
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)						14	14						
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)								1					
	5131433	WASHER, SPL .41" X .81 X .14											4	4	4
	9411981	NUT, 3/8-24 LOCK (12.9170)					2	14	14		2		4	4	4
	9415992	NUT, 1/2-20X3/4" (12.9172)						8	8						
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION													
	8923492	GASKET	1	1	2		1	2	2	1	1	1	1	1	1
	5108989	GASKET (6.2105)						1	2						
	5142225	GASKET (3.5325)										2			
	5133245	GASKET (3.1261)										1			

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	323	344	360	361	362	363	364	365	370	387	388
		3.5398 - BRACKET, TURBOCHARGER AIR INLET													
	5144850	BRACKET						1	1						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						2	2						
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)						2	2						
	5132147	WASHER, 13/32"X1.06X.20 (3.4030)						2	2						
	103321	LOCKWASHER, 3/8" (12.9200)						2	4						
		3.5400 - ELBOW, TURBOCHARGER AIR INLET													
	5103041	ADAPTOR		1											
	5133155	ADAPTOR						1	1						
	5102826	ELBOW	1												
	193004	ELBOW, 3/8" 90 DEG.							1						
	5106103	TUBE											1		
	5162888	HOSE, 3 1/2" I.D. X 2.75 L.											2		
	5108270	HOSE, 5 1/2" I.D.X3.50 L.		1				1	1						
	5108270	HOSE, 5 1/2" I.D.X4.00 L.						1	1						
	5147912	CLAMP, 3 1/2" I.D.											4		
	5114937	CLAMP, #6 HOSE (3.1280)		4				4	4						
	444134	TEE, 1/4"-18 PIPE (12.9490)							1						
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET													
	5100798	ELBOW			1							1			
	5143771	ELBOW (3.5400)						2	2						
	5140027	ELBOW								1					
	5106363	ELBOW			1										
	5146467	ELBOW										1			
	5100773	TUBE			1										
	5100896	TUBE (R.B.)			1										
	5100897	TUBE (L.B.)			1										
	5143707	TUBE (L.B.) (3.5400)						1	1						
	5146729	TUBE (R.B.)										1			
	5146466	TUBE (L.B.)										1			
	5162888	HOSE, 3 1/2"I.D.X2 3/4" L. (3.5420)			3					1	1	4			
	5121182	PLUG, 1/4" PIPE (12.9550)								1					
	5142549	PLUG, 3/4" (12.9550)						2	2						
	5145009	PLUG, 1/8" (12.9550)										1			
	5137618	CLAMP (MARMAN) (6.1001)			4										
	5147912	CLAMP, T BOLT 3 1/2"..75 W.			4					2	1	8			
	5147911	CLAMP, T BOLT 3 3/8"..50 W.									1				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			24			12	12						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)								6		12			
	103341	WASHER (12.9190)						14	12						
	103321	LOCKWASHER, 3/8" (12.9200)			AR			AR	AR	AR		AR			
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW													
	5133245	GASKET (3.1261)			2			2	2			1			
	5145635	GASKET								1					

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	323	344	360	361	362	363	364	365	370	387	388
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNEC TION													
	5162888	HOSE, 3 1/2"I.D.X2 3/4 L.	2					3	3						
	5147911	CLAMP, 3 3/8" T-BOLT	4												
	5147912	CLAMP, 3 3/8" T-BOLT						6	6						
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY													
	5199575	HOSE, BULK #6 X 25' (36.29" L.)										2			
	5199575	HOSE, BULK #6X25' (38.5" L.)						1	1						
	5199575	HOSE, BULK #6X25' (39.00" L.)						1							
	5199575	HOSE, BULK #6X25' (64.01" L.)								1					
	5199575	HOSE, BULK #6X25' (51.27" L.)									1			1	
	5199575	HOSE, BULK #6X25' (66.27" L.)			1										
	5199575	HOSE, BULK #6X25' (50.22" L.)		1											
	5199575	HOSE, BULK #6X25' (37.21" L.)	1												
	5131803	HOSE, FLEX. 5/16" X 52.5" L. (2.5050)											1		1
	5131847	COVER (OIL INLET)		1	2		1	2	2	1	1	2	1	1	1
	5170466	GASKET (COVER)	1	1	2		1	2	2	1	1	2	1	1	1
	442323	CONNECTOR, 3/8" TUBE (12.9460)	1	1	1		1	2	2	1		2			
	5149497	FITTING						2	2	1		2			
	5149496	FITTING							2	1		2			
	5199579	FITTING, HOSE 5/8" STGHT.	1	1	1			2			1			1	
	5199588	FITTING, HOSE 5/8" 90 DEG.	1	1											
	5149274	FITTING, HOSE 5/8" 90 DEG.			1						1			1	
	5129184	TEE, 1/4" PIPE SPL. (2.5149)			1					1				1	
	444148	TEE, 1/4"-18 PIPE (12.9616)								2					1
	193004	ELBOW, 3/8"-90 DEG. (12.9480)	1	1	3				2	1	1	4	1	1	1
	190367	ELBOW, 1/4"-90 DEG. ST. (12.9590)											1	1	1
	444054	ELBOW, 1/4" 45 DEG. ST. (12.9590)												1	
	143338	ELBOW, 3/8"-45 DEG. (12.9480)					1	2			1				
	444000	ADAPTOR, 1/4" PIPE (12.9460)			2					1	1	2	1	1	1
	179839	BOLT, 3/8"-16 X 1" (12.9001)	2	2	4		2	4	4	2	2	4	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	4		2	4	4	2		4	2	2	2
		3.5502 - CLIP, OIL SUPPLY TUBE													
	5175606	BRACKET (4.1540)								1	1	2		1	
	5109000	BRACKET (9.1591)										2			
	5103319	BRACKET					1	2	2						
	5160388	CLIP, 3/8" (2.5070)										2			
	5177623	CLIP, 3/8 (2.5120)			2		1	2	2	1	1				
	5147599	CLIP, 5/8" TUBE (1.1060)					2	3	4		2	2			1
	2488022	CLIP (2.5100)		2	4		1	1		2		5	1	2	1
	5147599	CLIP, #6 (2.5120)	2		4					2			1	2	
	5114541	BRACKET, CLIP					1								
	5195500	SPACER, 13/32" X .624 X .380" (12.4050)										1			
	5108956	BRACKET (4.1540)									1				

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	323	344	360	361	362	363	364	365	370	387	388
		3.5502 - CLIP, OIL SUPPLY TUBE (CONT'D)													
	179838	BOLT, 3/8"-16X 7/8" (12.9001)					2	2		1	1			1	
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)										1			
	186618	BOLT, 5/16"-18 X 5/8" (12.9001)										3			
	179857	BOLT, 7/16"-14X 7/8" (12.9001)			4										
	5104602	BOLT, 7/16"-14 X 1" W/SEAL PATCH			4										1
	179837	BOLT, 3/8"-16X 3/4" (12.9001)						1	3	2		4			
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)							1						
	103341	WASHER, 3/8" PLAIN (12.9190)					2						1	2	1
	103342	WASHER, 7/16" PLAIN (12.9190)									2			2	
	5125108	WASHER, 7/16"X 3/4" (2.4050)			4						2				1
	5131913	WASHER, 13/16" (12.9190)									1				
	103322	LOCKWASHER, 7/16" (12.9200)									2				1
	103321	LOCKWASHER, 3/8" (12.9200)					2	5	3	2	1	4	1	1	
	102635	NUT, 3/8"-16 HEX (12.9120)					2	1	3	2	1	4		1	
		3.5503 - COVER, TURBOCHARGER OIL RETURN													
	5102830	COVER	1												
	186631	BOLT, 1/2"X13X2 1/4" (12.9001)	4												
		3.5505 - TUBE, TURBOCHARGER OIL RETURN													
	5106229	TUBE (ROCKER COVER)				1									
	5143702	TUBE (DEV. L. 10.64)						1	1						
	5100911	TUBE (DEV. L. 5 1/2")			1										
	5143701	TUBE ASSY. (L.B.)						1	1						
	5100912	TUBE (DEV. L. 4.40")			1										
	5100904	TUBE ASSY (L.B.)			1										
	5100905	TUBE ASSY.(R.B.)			1										
	5143856	TUBE (DEV. L. 3")	1	1			1						1		
	5106997	TUBE (DEV. L. 14.38") (5106997)								1					
	5106039	TUBE (DEV. L. 11.86")									1			1	1
	5143869	TUBE ASSY.		1											
	5128120	HOSE (1 1/2" L.)									1				
	5169721	HOSE, 7/8"X1.74			2										
	5169721	HOSE, 7/8"X2 1/2"	1					2	2						
	5144628	HOSE (21" L.)					1						1		
	5128120	HOSE (2.26" L.)								1	1			1	2
	5143298	HOSE (40" L.)										1			
	5143299	HOSE (42" L.)										1			
	5143618	HOSE, 7/8"X 31.00 L.)		1											
	5143074	FLANGE ASSY.										2			
	5170468	GASKET	1	1	2		1	2	2	1	1	2	1	1	1
	5123812	GASKET			2										
	5104946	COVER ASSY. (3.5503)					1	2	2				1		
	5186840	CLAMP, HOSE 1"	2		4		2	4	4	2	4		2	4	4
	9139801	CLAMP, HOSE 5/8"		2											

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	323	344	360	361	362	363	364	365	370	387	388
		3.5505 - TUBE, TURBOCHARGER OIL RETURN (CONT'D)													
	5101020	STRAP		1							8				
	140798	ELBOW, 3/4" PIPE 45 DEG.										2			
	5125906	CONNECTOR, 3/4" PIPE X 1"										2			
	5160629	SPACER, 13/32" X 7/32" (4.2270)					1						1		
	5106912	BUSHING				1									
	128003	BUSHING, 1"X 3/4" (12.9570)		1											
	179802	BOLT, 1/4"-20X1 5/8" (12.9001)			2										
	179839	BOLT, 3/8"-16X1" (12.9001)			2			4	4						
	454814	BOLT, 1/4"-20X1 3/8" (12.9001)			2										
	179838	BOLT, 3/8"-16X 7/8" (12.9001)	2	2			2			2	2		2	2	2
	9430221	BOLT, 3/8"-24 X 3/4" (1.2080)											1		
	179858	BOLT, 7/16"-14X1" (12.9001)									2				
	5154538	WASHER, FLAT (1.8182)				1									
	5179709	WASHER, 17/64" I.D. X 1/2" O.D. X .065 (2.7175)			4										
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	4		2	4	4	2	2	8	2	2	2
	9403294	NUT, 3/4"-16				1									
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE													
	5147753	CLIP, #16										2			
	5145492	CLIP, 3/4"									1			1	1
	5181325	BRACKET (4.8042)			1										
	5175606	BRACKET (4.1540)			2										
	5108956	BRACKET													1
	5143841	BRACKET (2.5180)			2										
	5114541	BRACKET (7.1585)			2										
	5155464	BRACKET												1	
	186629	BOLT, 5/16"-18 X 1" (12.9001)												1	
	179837	BOLT, 3/8"-16X 3/4" (12.9001)			9										
	179835	BOLT, 3/8"-16X 5/8" (12.9001)									1				1
	120393	WASHER, 5/16" (12.9190)												2	
	179839	BOLT, 3/8"-16 X 1" (12.9001)										2			
	103341	WASHER, 3/8" (12.9190)										2			2
	103320	LOCKWASHER, 5/16" (12.9200)												1	
	103321	LOCKWASHER, 3/8" (12.9200)			9						1	2			1
	120376	NUT, 5/16"-18 CAD. (12.9120)												1	
	102635	NUT, 3/8"-16 HEX. (12.9120)			7						1				1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3891	3911	3944	3988	4003	4009	4344	4449	4566	4587	4589	4600
	3.5001 - *TURBOCHARGER*													
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
#	**5101613**	TURBOCHARGER (4MF782) (8V) (PAGE C1)	1											
#	**5101508**	TURBOCHARGER (TV8101) (8V) (PAGE A1)		1					2					
#	**5143099**	TURBOCHARGER (T19A40) (12V) (PAGE B1)			2									
#	**5102353**	TURBOCHARGER (TV8102) (12V) (PAGE C1)				2	2							
#	**5102117**	TURBOCHARGER (TV8101) (8V-16V) (PAGE C1)									2	2	2	1	1
#	**5103760**	TURBOCHARGER (TV7101) (12V) (PAGE C1)						2							
#	**5103875**	TURBOCHARGER (T18A40) (12V) (PAGE B1)								2					
#	**5130488**	STUD, 3/8"-16 X 24 X 1 1/2" (5.2030)	4	4											4
#	**5144598**	STUD, 1/2"-13 X 20 X 1"			4			4							
	181374	BOLT, 3/8"-24 X 1 1/2" (12.9001)						8			8	8	8	4	
	181377	BOLT, 3/8"-24 X 1 3/4" (12.9001)							8						
	5131433	WASHER	4	4										4	4
	9411981	NUT, 3/8"-24 (SEIZPROOF)		4		8		8	8		8	8	8	4	4
	9415992	NUT, 1/2"-20 X 3/4" HEX. LK.	4		4				4						
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
	3.5002 - BRACKET, TURBOCHARGER SUPPORT													
#	**5100900**	BRACKET					1								
#	**8922790**	SUPPORT (UPPER)								1					
#	**8922789**	SUPPORT (LOWER)								1					
#	**5143664**	SUPPORT								1					
#	**5163906**	SPACER, 1/4" X 13/16" (7.1598)					4								
#	**5195500**	SPACER, 13/32" I.D. X .624 X .380 (12.4050)								4					
#	**5189440**	SPACER, 13/32" I.D. X 15/32" (2.8756)								3					
#	**5157412**	SPACER, 7/8" O.D. 13/32" I.D. 1/4" THK. (7.4013)					6								
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)					6								
	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)								3					
	179846	BOLT, 3/8"-16 X 1 7/8" (12.9001)					2			3					
	186317	BOLT, 3/8"-24 X 5" (12.9001)						3		3					
	181377	BOLT, 3/8"-24 X 1 3/4" (12.9001)						8							
	187491	BOLT, 3/8"-16 X 5 1/2" (12.9001)								1					
	186626	BOLT, 7/16"-14 X 1 5/8" (12.9001)					4								
	5132147	WASHER, 13/32" X 1.06 X .20 (3.4030)								14					
	103341	WASHER, 3/8" (12.9190)	1				2								
	103321	LOCKWASHER, 3/8" (12.9200)					6			4					
	103322	LOCKWASHER, 7/16" (12.9200)					4								
	102635	NUT, 3/8"-16 (12.9120)								4					
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
	3.5300 - BRACKET, TURBOCHARGER MOUNTING													
		AN ASSY. INCLUDES TUBE IN 3.5300 AND BRACKET WHICH IS NOT SERVICED SEPARATELY.													
#	**5140612**	BRACKET ASSY.	1	1							2		1	1	
#	**5124331**	TUBE (1.06" L.) (7.1595)	1	1									1	1	
#	**5122266**	GASKET (7.1597)	1	1									1	1	
	186647	BOLT, 1/4"-20X1" (12.9001)		2										2	

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 389	391	394	398	403	409	434	449	456	457	458	459	460
		3.5300 - BRACKET, TURBOCHARGER MOUNTING (CONT'D)													
	5104604	BOLT, 1/4"-20X1.25" (4.8001)	2											2	

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 389	391	394	398	403	409	434	449	456	457	458	459	460
		3.5300 - BRACKET, TURBOCHARGER MOUNTING (CONT'D)													
	5101377	BOLT, 3/8"-16 X 1" W/SEAL PATCH		2											2
	5104598	BOLT, 3/8"-16X1.13" (12.9001)	2											2	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)													
	8921936	BOLT, 7/16"-14X1 1/4" (12.9001)		1										1	1
	103319	LOCKWASHER, 1/4" (12.9200)	2	2										2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2										2	2
	103322	LOCKWASHER, 7/16" (12.9200)	1	1										1	1
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET													
#	5143567	ADAPTOR (L.H.)							1		1	1	1		
#	5143568	ADAPTOR (R.H.)							1		1	1	1		
#	5143015	ADAPTOR (L.H.)			1										
#	5143014	ADAPTOR (R.H.)			1										
#	5141876	ADAPTOR				2									
#	5132798	ADAPTOR					1			1					
#	5133154	ADAPTOR					1			1					
#	5106539	ADAPTOR (R.B.)							1						
#	5106540	ADAPTOR (L.B.)						1							
#	5106964	ADAPTOR						1							
#	5101417	TUBE (R.B.)	1												
#	5143705	TUBE (R.B.)								1					
#	5101416	TUBE (L.B.)	1												
#	5143692	TUBE (L.B.)								1					
#	5140614	TUBE (R.B.)		1										1	1
#	5140615	TUBE (L.B.)		1										1	1
#	5146165	CLAMP, 3.88" DIA. (6.2085)	2	2										2	2
#	5137618	CLAMP (MARMAN) (6.1001)								2					
#	5137619	CLAMP, 4 1/2" DIA. (6.2085)	2	2										2	2
#	5146164	CLAMP, 4.88" DIA. (3.5305)			2										
#	5144598	STUD, 1/2"-13 X 20 X 1 15/16" (12.9117)			4			4		8					
#	5128641	STUD, 3/8"-16-24 X 1 1/2" (1.7600)	4											4	
#	5150362	STUD, 3/8"-16 X 1 5/8" (5.2020)		4											4
#	5129111	STUD							8		8	8	8		
#	5143106	TEE	1	1										1	1
	181374	BOLT, 3/8"-24 X 1 1/2"					14			14					
	186631	BOLT, 1/2"-13 X 2 1/4" (12.9001)			4										
	5131433	WASHER, .41 X .81 X .14 (1.5001)	4	4										4	4
	117212	NUT, 3/8"-24 HEX. (12.9140)				2									
	9411981	NUT, 3/8"-24 X 9/16" (12.9120)	4	4			14			14				4	4
	5103952	NUT, 5/8"-18 SPL.							8		8	8	8		
	9415992	NUT, 1/2"-20 X 3/4" (12.9172)			8			4		8					
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION													
#	8923492	GASKET	1	1		2	2	2	2	2	2	2	2	1	1
#	5108989	GASKET (6.2105)			4			2		2					
#	5144225	GASKET (3.5325)				2									
#	5148029	GASKET (6.2105)									2	2	2		
		# FIGS. 5A, B, C, D, E, G, H, J, K.													

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3891	3911	3934	3981	4003	4009	4334	4449	4556	4577	4588	4599	4600
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION													
#	5102277	SUPPORT							1		2	2	2		
#	5143483	SPACER							4		4	4	4		
#	5143484	PLATE							2		2	2	2		
#	5104688	PLATE							2		2	2	2		
#	5176829	STUD, 7/16"-14-20 X 2 3/32" (6.1020)							2		2	2	2		
	5101377	BOLT, 3/8"-16 X 1 W/SEAL PATCH							4		4	4	4		
	5104162	BOLT, 7/16"-14 X 1 1/4" W/SEAL PATCH							2			2	2		
	5108436	WASHER, 15/32" X 15/16" X 5/32" (7.1598)							6		6	6	6		
	9174746	NUT, 7/16"-20 LOCK (12.9120)							2		2	2	2		
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5315 - FLANGE, TURBOCHARGER EXHAUST INLET													
	5108921	FLANGE (6.2085) (L.B. & R.B.)			2										
	5168606	+ PIPE (6.2080)			1										
	186689	BOLT, 1/2"-13 X 2" (12.9001)			4										
	103323	LOCKWASHER, 1/2" (12.9200)			4										
		+ OBSOLETE.													
		3.5398 - BRACKET, TURBOCHARGER AIR INLET													
#	5108013	BRACKET (LOWER)									1	1	1		
#	5108014	BRACKET (UPPER)									1	1	1		
#	5106693	BRACKET						1							
#	5144850	BRACKET								1					
	186647	BOLT, 1/4"-20 X 1" (12.9001)									2	2	2		
	106321	BOLT, 1/4"-20 X 1 1/8" (12.9001)									1	1	1		
	179819	BOLT, 5/16"-18 X 1 1/8"									2	2	2		
	186629	BOLT, 5/16"-18 X 1" (12.9001)										3	3		
	179839	BOLT, 3/8"-16 X 1" (12.9001)					2								
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)						2		2	3				
	186282	BOLT, 3/8"-16 X 3 1/4" (12.9001)					2			2					
	186283	BOLT, 3/8"-16 X 3 1/2" (12.9001)						2							
	120392	WASHER, 9/32" X 5/8" (12.9190)									2	2	2		
	5132147	WASHER, 13/32" X 1.06 X .20						2		2					
	5121403	WASHER, 21/64" X 1" X 3/16" (3.4080)									2	2	2		
	120393	WASHER, 5/16" (12.9190)									4	4	4		
	103341	WASHER, 3/8" (12.9190)					2			2	3				
	103319	LOCKWASHER, 1/4" (12.9200)									3	3	3		
	103320	LOCKWASHER, 5/16" (12.9200)									5	5	5		
	103321	LOCKWASHER, 3/8" (12.9200)					4	4		4	3				
	120376	NUT, 5/16"-18 (12.9120)									3	3	3		
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5400 - ELBOW, TURBOCHARGER AIR INLET													
#	5106282	ELBOW			1										
#	5133155	ADAPTOR (3.5305)								1					
#	5108724	HOSE, 5" I.D. X 2.26" L.						2							
#	5108270	HOSE, 5 1/2" I.D. X 3.50" L.					1			1					
#	5108270	HOSE, 5 1/2" I.D. X 4.00" L.					1			1					
#	5145009	PLUG, 1/8" (12.9550)			1										
#	5114937	CLAMP, 6" HOSE (3.1280)					4	4		4					
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)			6										
	103321	LOCKWASHER, 3/8" (12.9200)			6										
		# FIGS. 5A, B, C, D, E, G, H, J, K.													

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3.5417 - ELBOW, TURBOCHARGER AIR OUTLET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 389	391	394	398	403	409	434	449	456	457	458	459	460
#	5146467	ELBOW				1									
#	5100798	ELBOW				1	1								
#	5143771	ELBOW						2		2					
#	5106710	TUBE						1							

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3891	3911	3934	3938	4003	4009	4334	4449	4556	4557	4558	4559	4600
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET (CONT'D)													
#	5106722	TUBE						1							
#	5108019	TUBE									1	1			
#	5102279	TUBE							1						
#	5108018	TUBE									1	1	1		
#	5108020	TUBE											1		
#	5102362	TUBE							1						
#	5106911	TUBE (L.B.)			1										
#	5106730	TUBE (R.B.)			1										
#	5107310	TUBE (L.B.)				1									
#	5143707	TUBE (L.B.)								1					
#	5107311	TUBE (R.B.)				1									
#	5162888	HOSE, 3 1/2" I.D. X 2 3/4" L. (3.5420)			4	4	2	2	4	3	4	4	4		
#	5147914	CLAMP, 3" HOSE			4										
#	5147912	CLAMP, 3 1/2" HOSE				8		4	8	6	8	8	8		
#	5147911	CLAMP, 3 3/8" HOSE					4								
#	9139813	CLAMP, 1" HOSE (3.5400)			4										
#	5137618	CLAMP, 4.90" HOSE					4								
#	5148068	BRACKET							2		2	2	2		
#	5146216	@ SUPPORT							1						
	5145009	PLUG, 1/8" PIPE (12.9550)			1	1									
	5142549	PLUG, 3/4" PIPE (12.9550)						2		2					
	186618	BOLT, 5/16"-18 X 5/8" (12.9001)							4		4	4	4		
	186629	BOLT, 5/16"-18 X 1" (12.9001)							1						
	179819	BOLT, 5/16"-18 X 1 1/8" (12.9001)							2						
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)				12		2							
	186619	BOLT, 3/8"-16 X 1 3/8" (12.9001)					12	12		12					
	123393	WASHER, 5/16" (12.9190)							6		2	2	2		
	103341	WASHER, 3/8" (12.9190)						12		12					
	5121403	WASHER, 21/64" X 1 X 3/16" (3.4080)							1						
	103320	LOCKWASHER, 5/16" (12.9200)							7		4	4	4		
	103321	LOCKWASHER, 3/8" (12.9200)				12	18	12		12					
	120376	NUT, 5/16"-18 CAD. (12.9120)									2	2	2		
		@ NOT SERVICED, USE (1) EACH OF 5108013, 5108014 PLUS (3) EACH OF 186625, 103340, 103321 AND 120376.													
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW													
	5133245	GASKET (3.1261)			1	2	2	2		2					
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION													
	5162888	HOSE, 3 1/2" I.D. X 2 3/4" L.	1	1			1	4						1	1
	5147911	CLAMP, 3 3/8" T. BOLT	1				2							2	2
	5147912	CLAMP, 3 3/8" T BOLT	1	2				4							
		3.5426 - BRACKET, INTERCOOLER MOUNTING													

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3889	3891	3894	3898	4003	4009	4314	4449	4566	4577	4589	4599	4600
		3.5426 - BRACKET, INTERCOOLER MOUNTING (CONT'D)													
	5106711	BRACE, TURBOCHARGER ADAPTOR						1							
	5106712	BRACE, TURBOCHARGER ADAPTOR						1							
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)						4							
	103341	WASHER, 3/8" (12.9190)						4							
	103321	LOCKWASHER, 3/8" (12.9200)						4							
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY													
#	5199575	HOSE, BULK #6 X 25' (70.27" L.)							1		1				
#	5199575	HOSE, BULK #6 X 25' (56.27" L.)							1		1				
#	5199575	HOSE, BULK #6 X 25' (66.27" L.)					2					1	1		
#	5199575	HOSE, BULK #6 X 25' (51.27" L.)	1												
#	5199575	HOSE, BULK #6 X 25' (36.29" L.)				2									
#	5199575	HOSE, BULK #6X25' (39" L.)						1		1					
#	5199575	HOSE, BULK #6 X 25' (49.29" L.)						1		1					
#	5199575	HOSE, BULK #6 X 25' (62.27" L.)										1	1		
#	5131803	HOSE, 5/16" X 52.5" L. (2.5050)		1										1	1
#	5134090	HOSE, 5/16" X 30" L.			1										
#	5131375	HOSE, #6 X 30" L. (2.5210)			1										
#	5131847	COVER (OIL INLET)	1	1	2	2	2	2	2	2	2	2	2	1	1
#	5170466	GASKET	1	1	2	2	2	2	2	2	2	2	2	1	1
#	5160629	SPACER, 13/32"X7/32" (4.2270)			1										
	5145009	PLUG, 1/8" PIPE (12.9550)												1	
	5149497	FITTING, HOSE #6 INV. FL. (12.8552)						2		2					
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STGHT. (12.8552)	1			2	2	2		2	2	2	2		
	5149274	FITTING, HOSE 5/8"-18 (12.8552)	1			2	2				2	2	2		
	444134	TEE, 1/4"-18 (12.9490)								1					
	5129184	TEE, 1/4" PIPE SPL. (2.5149)					1								
	5104778	TEE, 1/4" X 1/4" (7.4694)	1												
	2191465	TEE, 1/8" INT. X 1/4" EXT. PIPE (7.8295)												1	
	193004	ELBOW, 3/8"-90 DEG. (12.9480)		1	2	2	3		2	2	3	4	4		1
	143338	ELBOW, 3/8"-45 DEG. (12.9480)	1					2							
	190367	ELBOW, 1/4" 90 DEG. STREET (12.9590)		1										1	1
	442323	CONNECTOR, 3/8" TUBE (12.9460)			2	1	1	2		2					
	444000	ADAPTOR, 1/4" PIPE (12.9460)	1	1		2	2		2		2	2	2	1	1
	179839	BOLT, 3/8"-16 X 1" (12.9001)	2	2		8	4	4	4	4	4	4	4		2
	5101377	BOLT, 3/8"-16 X 1" W/SEAL PATCH												2	
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)			4										
	179858	BOLT, 7/16"-14 X 1" (12.9001)												1	
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	4	8	4	4	4	4	4	4	4	2	2
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5502 - CLIP, OIL SUPPLY TUBE													
#	5100364	CLIP, 5/8" (2.5070)							3		1				
#	5147599	CLIP, #6 (2.5120)		1			7			4	1	1	2	1	1
#	5160388	CLIP, 3/8"				2									
#	2488022	CLIP, 3/8" (2.5100)		1	1	4	5				4	5	2	1	1
#	3291251	CLIP, 5/8" TUBE (1.1060)	2		1	1		3	1	3	1				
#	5177623	CLIP, 3/8" (2.5120)	1			2	2	2	2	2	2				
#	5125912	BRACKET (4.1540)							2						
#	5103319	BRACKET				2		2		2					
#	5175606	BRACKET (4.1540)	1				2								
#	5143841	BRACKET (2.5180)					2				2	2	2	2	
#	5114541	BRACKET (7.1585)					2								
#	5181325	BRACKET, CLIP (4.8042)					1								

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3889	3891	3894	3898	4003	4009	4334	4449	4556	4557	4558	4559	4600
		3.5502 - CLIP, OIL SUPPLY TUBE (CONT'D)													
#	5173189	BRACKET (9.1591)				2									
#	5144629	BRACKET, 90 DEG. (4.6040)				4									
#	5164294	SPACER, 7/8"-13/32" X 1/8" THK. (7.1581)									1	1	1		
#	5115323	SPACER (2.9010)					1								
#	5159347	SPACER, 3/4" X 1/2" (7.1581)									2	2	2		
	179837	BOLT, 3/8"-16 X 3/4" (12.9001)				6	9	1		3					
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)	1					2	2		4	4			
	5104153	BOLT, 3/8"-16 X .88 W/SEAL PATCH											2		
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)				2									
	179858	BOLT, 7/16"-14 X 1" (12.9001)	2												
	9409215	BOLT, 3/8"-16 X 1 1/4" (12.9001)									3	3	3		
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)									1				
	181377	BOLT, 3/8"-24 X 1 3/4" (12.9001)								1					
	179857	BOLT, 7/16"-14 X 7/8" (12.9001)					4								
	186629	BOLT, 1/2"-13 X 2" (12.9001)					1								
	120393	WASHER, 11/32" X 11/16" CAD. (12.9190)				2									
	103341	WASHER, 3/8" (12.9190)		1					4		4	4			1
	5131433	WASHER, .41 X .81 X .14 (1.5001)									3	3	3		
	5131913	WASHER, 13/16" X 29/64" X 5/32" SPL. (3.4001)					2								
	5125108	WASHER, 7/16" X 3/4" COTTER (2.4050)	2				4							1	
	103342	WASHER, 7/16" (12.9190)	2	1										1	1
	103320	LOCKWASHER, 5/16" (12.9200)				2									
	103321	LOCKWASHER, 3/8" (12.9200)	1			6	9	3	3	3	4	4	2		
	102634	NUT, 5/16"-18 (12.9120)				2									
	102635	NUT, 3/8"-16 (12.9120)	1			6	7	3	2	3	4	4	2		
	103322	LOCKWASHER, 7/16" (12.9200) # FIGS. 5A, B, C, D, E, G, H, J, K.	2											1	
		3.5505 - TUBE, TURBOCHARGER OIL RETURN													
#	5106691	TUBE (DEV. L. 13.92")						1							
#	5106698	TUBE (DEV. L. 13.44")						1							
#	5143604	TUBE (DEV. L. 13")							1		1				
#	5102363	TUBE (DEV. L. 32.56")							1		1				
#	5146231	TUBE (DEV. L. 33.50")							1		1	1	1		
#	5106992	TUBE (DEV. L. 13.77")							1		1				
#	5143701	TUBE (DEV. L. 11.70")								1					
#	5143702	TUBE (DEV. L. 10.64")								1					
#	5107913	TUBE (DEV. L. 7.58")												1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3891	3911	3944	3998	4003	4009	4344	4449	4456	4557	4458	4559	4600
		3.5505 - TUBE, TURBOCHARGER OIL RETURN (CONT'D)													
#	5106190	TUBE		1											1
#	5143856	TUBE (DEV. L. 3")			2										
#	5143869	TUBE (DEV. L. 3.74")			2					2					
#	5106039	TUBE (DEV. L. 15.21")	1												
#	8921145	TUBE (DEV. L. 13.54")										1	1		
#	3291283	TUBE (DEV. L. 2.26")	1												
#	8921146	TUBE (DEV. L. 12.12")										1	1		
#	5100904	TUBE					1								
#	5143971	TUBE (DEV. L. 33")										1	1		
#	5100912	TUBE					1								
#	5100905	TUBE					1								
#	5128120	HOSE, 3/4" X 1.50"												1	
#	5119251	HOSE, 7/8" X 1.74"	1				1								
#	5169721	HOSE, 7/8" X 2 1/2"					1	2	2						
#	5169721	HOSE, 7/8" X 3 1/2"										2	2		
#	5144628	HOSE, 7/8" X 21" L.		1						2					1
#	5143618	HOSE (7/8" X 31")			2					2					
#	5143298	HOSE, #16 X 40 27/32" L.				1									
#	5143299	HOSE (42" L.) (4.3020)				1									
#	5104946	COVER (3.5503)		1				2							1
#	5170468	GASKET	1	1	2	2	2	2	2	2		2	2	1	1
#	5123812	GASKET					2								
#	5186840	CLAMP, HOSE (13/16"-1 1/2") (12.9660)	4	2			4	4	4	4	4	4	4	2	2
#	9139801	CLAMP, 5/8" HOSE (12.9660)			4										
#	140798	ELBOW, 3/4" PIPE 45 DEG. STREET (12.9590)				2									
#	119099	ELBOW, 3/4" PIPE 90 DEG. (12.9600)										1	1		
#	141621	ELBOW, 3/4"-90 DEG. STREET (12.9590)							2		2	1	1		
#	5125906	CONNECTOR, 3/4" PIPE X 1" FL. TUBE (12.9415)				2									
#	5138309	@ CONNECTOR ASSY., 7/8" TUBE SEALASTIC (12.9415)							2		2	2	2		
#	144613	NIPPLE, 1/4" X 1 3/8" (12.9560)										1	1		
#	5176532	SEAL RING, 7/8" TUBE SEALASTIC (12.9435)							2						
#	5113655	STUD, 5/16"-18 X 5/16"-24 X 2.46 (7.4509)							2		2	2	2		
#	5143074	FLANGE				2									
#	5160629	SPACER, 13/32" X 7/32" (4.2270)		1											1
#	5175705	SPACER, 13/32" X 7/8" X 1" (8.3826)							2		2	2	2		
	128003	BUSHING 1" X 3/4" (12.9570)			2										
	179802	BOLT, 1/4"-20 X 1 5/8"					2								
	5104594	BOLT, 1/4"-20 X 1.37 W/SEAL PATCH					2								
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)	2	2	4		2		4		4	4	4	2	2
	179839	BOLT, 3/8"-16 X 1" (12.9001)				4	2	4		4					
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)													1
	5179709	WASHER, 17/64" I.D. X 1/2" O.D. X .065					2								
	103341	WASHER, 3/8" FLAT (12.9190)									2			1	
	103319	LOCKWASHER, 1/4" (12.9200)					2								
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	4	4	4	4	4	4	4	4	4	2	2
	102635	NUT, 3/8"-16 HEX. (12.9120)									2				
	274558	NUT, 5/16"-24 (12.9120)							2		2		2		
		@ INCLUDES SEAL RING IN 3.5505 PLUS NUT NOT SOLD SEPARATELY.													
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5507 - CLIP, TURBOCHARGER OIL RETURN LINE													
#	5177623	CLIP, 3/8" (2.5120)										2	2		
#	5145492	CLIP, 3/4" X 13/32"	1												
#	5181415	CLIP, 1 1/8" (5.5390)								2					
#	5186803	CLIP, 13/16" (7.7380)							1		1	1	1		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 389	391	394	398	403	409	434	449	456	457	458	459	460
		3.5507 - CLIP, TURBOCHARGER OIL RETURN LINE (CONT'D)													
#	**5165244**	CLIP, 7/8" (4.8040)							1		1	1	1		
	5125912	BRACKET (4.1540)									2	2	2		
#	**5108956**	BRACKET (4.1540)	1												
#	**5160425**	SPACER, 13/32" X 23/32" (2.3267)								1					
	179835	BOLT, 3/8"-16 X 5/8" (12.9001)	1												
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)										2	2		
	186317	BOLT, 3/8"-24 X 5" (12.9001)								1					
	103341	WASHER, 3/8" FLAT (12.9190)										2	2		
	103321	LOCKWASHER, 3/8" (12.9200)	AR									2	2		
	102635	NUT, 3/8"-16 (12.9120)	AR									2	2		

FIGS. 5A, B, C, D, E, G, H, J, K.

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 461	462	471	475	494	495	496	497	534	535	548	549	556
		3.5001 - TURBOCHARGER													
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.													
#	**5101508**	+ TURBOCHARGER (TV8101) (6V-8V) (PAGE A1) (5102353)	1	1							1				
#	**5101613**	TURBOCHARGER (4MF-782) (8V) (PAGE C1)				1									
#	**5103875**	TURBOCHARGER (T18A40) (12V) (PAGE B1)			2										
#	**5102117**	TURBOCHARGER (TV-8101) (8V) (PAGE C1)					1		1	1					
#	**5102353**	TURBOCHARGER (TV-8102) (6-12V) (PAGE C1)										2	2	1	2
#	**5101508**	TURBOCHARGER (TV-8101) (6V) (PAGE A1)						1							
#	**5130488**	STUD, 3/8"-16 X 24 X 1 1/2" (2.5030)	4	4			4		4	4	4				
#	**5150362**	STUD, 3/8"-16 X 1 5/8" (5.2020)				4		4							
#	**5144598**	STUD, 1/2"-13X20X1"											8		
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)											8		
	187425	BOLT, 7/16"-14X5 1/4" (12.9001)												2	
	103322	LOCKWASHER, 7/16" (12.9200)												2	
	5131433	WASHER, .41" X .81" X .14 (1.5001)	4	4		4	4	4	4	4	4				
	9411981	NUT, 3/8"-24 (SEIZPROOF)	4	4	8	4	4	4	4	4	4	8	8		8
	9415992	NUT, 1/2"-20X3/4" HEX. LK.											8		
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.													
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5300 - BRACKET, TURBOCHARGER MOUNTING													
#	**5140612**	BRACKET ASSY.	1				1	1	1	1	1				
#	**5107058**	BRACKET (W/INTEGRAL OIL DRAIN)												1	
#	**8921001**	BRACKET				1									
#	**5147315**	BRACKET		1											
#	**5104978**	SEAL RING, 1.102"X1.138"												1	
#	**5122226**	GASKET (7.1597)	1			1	1	1	1	1	1				
#	**5175882**	GASKET (4.4115)		3											
	5104593	BOLT, 1/4"-20 X 1" W/SEAL PATCH	2			2	2	2			2				
	186647	BOLT, 1/4"-20 X 1" (12.9001)							2						
	5101377	BOLT, 3/8"-16 X 1" W/SEAL PATCH	2			2	2	2		2	2				
	179839	BOLT, 3/8"-16 X 1" (12.9001)							2	2					
	189950	BOLT, 3/8"-24 X 4 3/8" (12.9001)		3											
	5104162	BOLT, 7/16"-14 X 1.25 W/SEAL PATCH	1					1			1				
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)				1	1		1	1				4	
	427564	BOLT, 7/16"-14 X 1 3/8" (12.9001)		2											
	103319	LOCKWASHER, 1/4" (12.9200)	2				2	2	2	2	2				
	103321	LOCKWASHER, 3/8" (12.9200)	2			2	2	2	2	2	2				
	103322	LOCKWASHER, 7/16" (12.9200)	1	2		1	1	1	1	1	1			4	
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET													
#	**5145970**	TUBE (R.B.)	1												
#	**5140614**	TUBE (R.B.)				1	1			1					
#	**5145971**	TUBE (L.B.)	1												
#	**5102679**	TUBE (R.B.)												1	
#	**5140615**	TUBE (L.B.)				1	1			1					
#	**5102724**	TUBE (L.B.)												1	
#	**5146766**	TUBE (R.B.)		1											
#	**5101414**	TUBE (R.B.)						1			1				
#	**5101415**	TUBE (L.B.)						1			1				

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3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET (CONT'D)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 461	462	471	475	494	495	496	497	534	535	548	549	556
#	5146775	TUBE (L.B.)		1											
#	5101416	TUBE (L.B.)							1						
#	5101417	TUBE (R.B.)							1						
#	8921918	TUBE (L.B.)										1			1
#	8921919	TUBE (R.B.)										1			1
#	8921042	ELBOW								1					
#	5162888	HOSE, 3 1/2" I.D. X 2 3/4" L. (3.5420)	1								1	4			4
#	5147911	CLAMP, 3 3/8" DIA. (3.5420)	2								2				
#	5147912	CLAMP, 3 3/8" DIA. T-BOLT										8			8
#	5146165	CLAMP, 3.82" DIA. (6.2085)		2		2	2	4	2	2	4			4	
#	5137619	CLAMP, 4.50" DIA. (6.2085)		2		2	2		2	2					
#	5107056	CONNECTOR												1	
#	5102723	ADAPTOR (TEE)												1	
#	5143106	ADAPTOR	1			1	1	1	1	1	1				
#	5141876	ADAPTOR			2							2			2
#	5106964	ADAPTOR											1		
#	5146528	TEE		1											
#	5106539	ELBOW (R.B.)											1		
#	5146467	ELBOW										1			1
#	5100798	ELBOW										1			1
#	5145009	PLUG, 1/8" (12.9550)										1			1
#	5106540	ELBOW (L.B.)											1		
#	5102725	ELBOW												1	
#	5104978	SEAL RING, 1.102"X1.138"												1	
#	5130488	STUD, 3/8"X1.88" (5.2020)												7	
#	5150362	STUD, 3/8"-16 X 1 5/8"	4			4	4	4		4	4				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										12			12
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)		3						6					
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)												3	
	5128641	STUD, 3/8"-16 X 1 1/2" (12.9001)							4						
	5131433	WASHER, .41 X .81 X .14 (1.5001)	4			4	4	4	4	4	4			10	
	5132147	WASHER, 13/32" X 1.06 X .20"		3											
	103341	WASHER, 3/8" (12.9190)													12
	103321	LOCKWASHER, 3/8" (12.9200)		3						6		12			12
	9411981	NUT, 3/8"-24 X 9/16" (12.9120)	4			4	4	4	4	4	4				
	117212	NUT, 3/8"-24 (12.9120)			2							2			2

FIGS. 5A, B, C, D, E, G, H, J, K.

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4611	4612	4711	4715	4944	4955	4966	4977	5334	5355	5448	5449	5556
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION													
#	5100770	GASKET			2							2	2	1	2
#	5108989	GASKET (6.2105)											2		
#	5142225	GASKET (3.5326)			2							2			2
#	5102677	GASKET												2	
#	5133245	GASKET (3.1261)			2							2			2
#	5145635	GASKET				1	1	1	1	1					
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION													
#	5102678	SUPPORT												1	
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)												2	
	103342	WASHER, 7/16" (12.9190)												1	
	103322	LOCKWASHER, 7/16 (12.9200)												1	
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5398 - BRACKET, TURBOCHARGER AIR INLET													
#	5106693	BRACKET											1		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											2		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)											2		
#	5157412	SPACER											2		
	5132147	WASHER, 13/32"X1.06X.20"											2		
	103321	LOCKWASHER, 3/8" (12.9190)											4		
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5400 - ELBOW, TURBOCHARGER AIR INLET													
#	5108724	HOSE, 3 1/2"I.D.X2 3/4" L.											2		
#	5114937	CLAMP, 6" HOSE (3.1280)											4		
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET													
#	5146731	TUBE, R.B.			1										
#	5106710	TUBE											1		
#	5146773	TUBE		1											
#	5106722	TUBE											1		
#	5146730	TUBE, L.B.			1										
#	5162888	HOSE, 3 1/2" I.D.X2 3/4" L. (3.5420)		2	4	1	1	1	1	1			4		
#	5145009	PLUG, 1/8" (12.9550)			1										
#	5121182	PLUG, 1/4" (12.9550)								1					
#	5142549	PLUG, 3/4" (12.9550)											2		
#	5146467	ELBOW			1										
#	5100798	ELBOW			1										
#	5143771	ELBOW											2		
#	5147911	CLAMP, T BOLT 3 3/8", .50 W.		4			2	2	1						
#	5147912	CLAMP, T BOLT 3 3/8", .75W			8	2				2			8		
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)			12								12		
	103341	WASHER, 3/8" (12.9190)											AR		
	103321	LOCKWASHER, 3/8" (12.9200)			AR								AR		
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW													
	5133245	GASKET (3.1261)											2		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4611	4612	4711	4745	4944	4955	4966	4977	5334	5335	5448	5449	5556
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION													
#	5162888	HOSE, 3 1/2"I.D.X2 3/4" L.												1	
#	9139813	CLAMP, 3 1/2" HOSE (3.5400) # FIGS. 5A, B, C, D, E, G, H, J, K.												2	
		3.5426 - BRACKET, INTERCOOLER MOUNTING													
5K	5106711	BRACKET, TURBO. ADAPTOR (L.H.)											1		
5K	5106712	BRACKET, TURBO. ADAPTOR (R.H.)											1		
	179838	BOLT, 3/8" (12.9001)											2		
	103341	WASHER, 3/8" (12.9190)											4		
	103321	LOCKWASHER, 3/8" (12.9200)											2		
		3.5436 - AFTERCOOLER, TURBOCHARGER													
5F	5101327	AFTERCOOLER												1	
5F	5101138	SEAL RING, .984"X.139"												4	
	5101196	BOLT, 5/16"-18X9/16" (W/NYLON PATCH)												6	
		3.5438 - CONNECTIONS, AFTERCOOLER WATER OUTLET													
5F	5102806	ELBOW (W/TUBE)												1	
5F	5104959	HOSE, 1.75" L. (4.8175)												1	
5F	5145581	GASKET												1	
5F	5104958	CLAMP, HOSE 2" DIA. (12.9660)												2	
	186629	BOLT, 5/16"-18X1" (12.9001)												2	
	120393	WASHER, 5/16" (12.9190)												2	
	103320	LOCKWASHER (12.9200)												2	
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY													
#	5199575	HOSE, BULK #6 X 25' (51.27" L.) (12.8550)	1					1	1		1				
#	5199575	HOSE, BULK #6 X 25' (39.2" L.) (12.8550)		1											
#	5199575	HOSE, #6 X 45" (42" L.) (12.8550)			2										
#	5137131	HOSE, #6X47" L. (2.5139)										2			2
#	5131803	HOSE, FLEX. 52 1/2" L. (2.5050)				1	1								
#	5199575	HOSE, BULK #6X25' (64" L. (12.8550)								1					
#	5103511	HOSE, #6X57.79" L.												1	
#	5131847	COVER (OIL INLET)	1	1	2	1	1	1	1	1	1	2	2	1	2
#	5199575	HOSE, BULK #6X25' (38.5" L.) (12.8550)											2		
#	5169721	HOSE, 7/8"X2 1/2" L. (4.8010)											2		
#	5176400	BRACKET (4.8010)												1	
#	5170466	GASKET, COVER	1	1	2	1	1	1	1	1	1	2	2	1	2
#	442323	CONNECTOR, 3/8" TUBE (12.9460)		1	2								2		
	5199579	FITTING, HOSE 5/8" STRAIGHT (12.8552)	1	1	1			1	1	1	1		2		
	5199588	FITTING, HOSE 5/8" 90 DEG. INV. FL. (12.8552)		1	1										
	5149274	FITTING, HOSE (12.8552)	1					1	1		1				
	5149497	FITTING, HOSE (12.8552)											2		
	5104778	TEE, 1/4" X 1/4" X 5/8" (7.4694)		1											
	5149496	FITTING, HOSE								1					
	143338	ELBOW, 3/8"-45 DEG. (12.9480)											2		
	444000	ADAPTOR, 1/4" PIPE (12.9460)	1		1	1	1	1	1	1	1				
	5125906	ADAPTOR, 1" FL. TUBE (12.9460)										2			
#	193004	ELBOW, 3/8" 90 DEG. (12.9480)	2		2	1	1	1	1	1	1	2		1	2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4611	4612	4711	4715	4914	4915	4916	4917	5314	5315	5418	5419	5516
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY (CONT'D)													
#	444054	ELBOW, 1/4"-45 DEG. (12.9480)						1							
#	143338	ELBOW, 3/8"-45 DEG. (12.9480)							1					1	
#	190367	ELBOW, 1/4"-90 DEG. ST. (12.9590)	1			1	1	1		1					
#	140798	ELBOW, 3/4"-45 DEG. ST. (12.9590)										2			
#	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)												1	
#	5126530	PLUG, ANCHOR (7.7010)												1	
#	5121182	PLUG, 1/4" PIPE (2.4015)												1	
	179839	BOLT, 3/8"-16 X 1" (12.9001)	2	2	4	2	2	2	2	2	2	8	4	2	4
	181333	BOLT, 5/16"-24X5/8" (12.9001)												1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)												1	
	5104602	BOLT, 7/16"-14 X 1" W/SEAL PATCH					1								
	120393	WASHER, 5/16" (12.9190)												1	
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	4	2	2	2	2	2	2	8	4	4	4
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5502 - CLIP, OIL SUPPLY TUBE													
#	5175606	BRACKET (4.1540)						1							
#	5177623	CLIP, 3/8" (2.5120)	1					1	1	1	1		2		
#	5144934	CLIP, 3/8" (4.4330)												1	
#	5147599	CLIP, 5/8" TUBE (1.1060)	3	1		1	1	2		1	2		2		
#	5103686	CLIP, #6 HOSE												4	
#	3291251	CLIP, 5/8" (1.1060)							1						
#	5171509	CLIP, 5/8" (9.1591)										2			2
#	2488022	CLIP, 3/8" (2.5100)	1		3	1	1	2		1	2				
#	5175606	BRACKET (4.1540)	1						1	1	1				
#	5103319	BRACKET (4.1540)											2		
#	5166565	BRACKET, CLIP (9.1591)			2										
#	5184291	CLIP, 1 1/4" (8.3820)										2			2
	179837	BOLT, 3/8"-16 X 3/4" (12.9001)								1					
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)	1		2			1	1		1	2	2		2
	179858	BOLT, 7/16"-14 X 1" (12.9001)							2		2				
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)												1	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)												1	
	103341	WASHER, 3/8" (12.9190)	2			1	1	2			2				
	103342	WASHER, 7/16" (12.9190)	3			1		2	2						
	5125108	WASHER, 7/16" (2.4050)	1				1		2		2			2	
	5131913	WASHER, 13/16" (3.4001)							1					3	
	103321	LOCKWASHER, 3/8" (12.9200)	1		2			1	1	1	1	2	2	1	2
	103322	LOCKWASHER, 7/16" (12.9200)	1				1		2						
	102635	NUT, 3/8"-16 (12.9120)	1		2			1	1	1	1	2	2	1	2
		# FIGS. 5A, B, C, D, E, G, H, J, K.													

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3.5000A TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 461	462	471	475	494	495	496	497	534	535	548	549	556
		3.5505 - TUBE, TURBOCHARGER OIL RETURN													
#	5107913	TUBE, 7.58" L.	1								1				
#	5143856	TUBE, DEV. L. 3"		1		1									
#	5147835	HOSE, 7/8" X 33" L.		1											
#	5144628	HOSE, 7/8" X 21" L.				1									
#	8921057	TUBE					1	1	1						
#	5106691	TUBE (R.B.)											1		
#	8921138	TUBE								1					
#	5106698	TUBE (L.B.)											1		
#	5128120	HOSE, 2.26" L.					2	2	2						
#	5128120	HOSE, 1 1/2" L.	1							1	1				
#	5133328	HOSE, 32" L.			2							2			2
#	5143074	FLANGE ASSY.			2							2			2
#	442323	CONNECTOR, 3/8" (12.9460)										2			2
#	108687	ELBOW, 1" 90 DEG. ST. (12.9590)			1										2
#	5170468	GASKET	1	1	2	1	1	1	1	1	1	2	2		2
#	5168176	GASKET										2			
#	5104946	COVER ASSY.		1		1							2		
#	5125256	COVER										2			
#	5186840	CLAMP, HOSE 1"	2	2		2	4	4	4	2	2		4		
#	5101020	STRAP, NYLON			4										
#	5160629	SPACER, 13/32" X 7/32" (4.2270)		1		1									
#	5183079	ADAPTOR, 1" (9.1720)			2										2
#	218703	TEE, 1" PIPE (9.9530)			2										
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)	2	2		2	2	2	2	2	2				
	179839	BOLT, 3/8"-16 X 1" (12.9001)			4							4	4		4
	181361	BOLT, 3/8"-24 X 7/8" (12.9001)			2										
	9430221	BOLT, 3/8"-24 X 4 3/4" (1.2080)				1									
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	4	2	2	2	2	2	2	4	4		4
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE													
#	2488022	CLIP (2.5100)		1											
#	5145492	CLIP, 3/4"					1	1	1						
#	5177623	CLIP, 3/8"							1	1					
#	5108956	BRACKET					1		1						
#	5155464	BRACKET						1							
	186629	BOLT, 5/16"-18 X 1"						1							
	179835	BOLT, 3/8"-16 X 5/8" (12.9001)					1		1						
	103321	LOCKWASHER, 3/8" (12.9200)					1		1						
	103320	LOCKWASHER, 5/16" (12.9200)						1							
	120393	WASHER, 5/16" (12.9190)						2							
	103341	WASHER, 3/8" (12.9190)					2								
	120376	NUT, 5/16" (12.9120)						1							
	102635	NUT, 3/8" (12.9120)					1								
		# FIGS. 5A, B, C, D, E, G, H, J, K.													

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	611	612	626	644	649	650	654	655	695	700	702	713
	3.5001 - TURBOCHARGER														
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW													
#	**5102353**	TURBOCHARGER (TV-8102) (PAGE C1)	2			2									
#	**5101509**	TURBOCHARGER (TV-7101) (PAGE A1)		1											
#	**5103905**	TURBOCHARGER (TO4B98) (PAGE C1)			2									2	
	5143110	TURBOCHARGER (TH08A64) (PAGE B1)					2								
#	**5103838**	TURBOCHARGER (T-18A40) (PAGE C1)						2	2						
	5104478	TURBOCHARGER (T-18A90) (PAGE C1)								1	1				
#	**5101508**	TURBOCHARGER (TV-8101) (8V) (PAGE A1)											1		
	NPN	TURBOCHARGER										1			
#	**5103875**	TURBOCHARGER (T-18A40) (PAGE B1)													1
	8927270	STUD, 3/8"-16-24X1.62" (12.9117)			8										
	23503408	STUD, 3/8"-16-24X1 9/16" (12.9117)												8	
	5130488	STUD, 3/8"X1.88" (5.2020)		4						4			4		4
	5144598	STUD, 1/2"-13X20X1" (12.9117)	8												
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	14			14									
	23503409	BOLT, 3/8"-24X1 1/2" (12.9001)						8							
	23503410	BOLT, 3/8"-24X1 3/4" (12.9001)					8		8						
	5131433	WASHER, .41"X.81"X.14" (1.5001)		4	8		8	8	8	4			4	8	4
	9411981	NUT, 3/8"-24 (12.9120)	14	4	8	14	8	8	8	4			4	8	4
	9415992	NUT, 1/2"-20X3/4" HEX. LK.	14												
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
	3.5300 - BRACKET, TURBOCHARGER MOUNTING														
#	**8922567**	BRACKET, LWR. R.B.	1			1									
#	**8922568**	BRACKET, UPR. R.B.	1			1									
#	**8921001**	BRACKET		1									1		
#	**5143664**	BRACKET	1			1									
#	**5143928**	BRACKET, R.B.						1							
#	**5143929**	BRACKET, L.B.						1							
	5140612	BRACKET ASSY.													1
#	**5122266**	GASKET		1									1		1
#	**5189440**	SPACER	3			3									
#	**5195500**	SPACER, 13/32"X.624"X.380"	4			4									
	5117332	GASKET (1.2090)						2							
	8921933	BOLT, 3/8"-16X7/8" (12.9001)						4							
	186647	BOLT, 1/4"-20X1" (12.9001)		2									2		
	8925601	BOLT, 1/4"-20X1.37" (12.9001)													2
	5101377	BOLT, 3/8"-16X1" W/SEAL SPL.		2									2		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						4							
	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)	3			3									
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	3			3									
	186317	BOLT, 3/8"-24X5" (12.9001)	1			3									
	8921936	BOLT, 7/16"-14X1.25" W/SEAL PATCH		1				4					1		1
	8925602	BOLT, 3/8"-16X1.37" (12.9001)													2
	103319	LOCKWASHER, 1/4" (12.9200)		2									2		2
	103321	LOCKWASHER, 3/8" (12.9200)	3	2		3		8					2		2
	103322	LOCKWASHER, 7/16" (12.9200)		1				4					1		1
	5132147	WASHER, 13/32"X1.06"X.20"	10			10									
	102635	NUT, 3/8" (12.9120)	3			3									
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
	3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET														
#	**5140614**	TUBE (R.B.)		1									1		
#	**5143692**	TUBE (L.B.)	1			1									
#	**5140615**	TUBE (L.B.)		1									1		
#	**5143923**	TUBE (L. & R. BANKS)						2							

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	611	612	626	644	649	650	654	655	695	700	702	713
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET (CONT'D)													
#	8926212	TUBE (R.B.)	1			1									
	5102754	TUBE (L.B.)									1				
	5102755	TUBE (R.B.)									1				
	5145970	TUBE (R.B.)													1
	5145971	TUBE (L.B.)													1
#	5108724	HOSE, 3 1/2"X2 3/4"	2												
#	5132798	ADAPTOR (R.H.)	1			1									
#	5133154	ADAPTOR (L.H.)	1			1									
#	5143106	ADAPTOR		1									1		1
#	5106964	ADAPTOR	1												
#	5106037	ADAPTOR			2									2	
#	5141610	ADAPTOR					2								
	5102751	TEE									1				
5K	5157412	SPACER	2												
5K	5141629	SPACER					1								
5K	5130339	SPACER (L. BANK)						1	1						
	5137620	CLAMP, 3.82" DIA. (6.2085)									2		2		4
#	5146165	CLAMP, 3.88" DIA. (6.2085)		2											
#	5137619	CLAMP, 4.50" DIA. (6.2085)		2							2		2		
#	5137618	CLAMP, 4.90" DIA. (6.1001)	2			2									
#	5114937	CLAMP, HOSE 5 1/2"	4												
#	5132650	CLAMP, 5" DIA. (6.2085)						2	2						
#	5143771	ELBOW	2												
#	5148008	ELBOW							2						
	5142549	PLUG, 3/4"-14 (12.9550)	2												
	8927270	STUD, 3/8"-16X1.62" (12.9117)		4									4		4
	5130488	STUD, 3/8"X1.88" (5.2020)			8						4				
	5144598	STUD, 1/2"-13-20X1.94" (12.9117)				8									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	12												
	138243	BOLT, 3/8"-16X1 1/4" (12.9027)						4							
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					8	12							
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)									3				
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)							4						
	186317	BOLT, 3/8"-24X5" (12.9001)	2												
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	1			1									
	5131433	WASHER, SPL. .41"X.81"X.14"		4	8						4		4		4
	5132147	WASHER, SPL. 13/32"X1.06X.20	3			3									
	103341	WASHER, 3/8" (12.9190)	12												
	103321	LOCKWASHER, 3/8" (12.9200)	12			1	8	12	8		3				
	9411981	NUT, 3/8"-24 (12.9120)		4	8						4		4		4
	102635	NUT, 3/8"-16 (12.9120)	1			1									
	9415992	NUT, 1/2"-20X3/4" (12.9120)				8									
		# FIGS. 5B, C, D, E, G, J, K.													
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION													
#	5133245	GASKET (3.1261)	2												
#	5103394	GASKET			2									2	
#	8923580	GASKET			2									2	
#	5108989	GASKET				2									
#	8923492	GASKET	2	1		2				1	1		1		1
#	8929529	GASKET (STAINLESS STEEL)					2	2	2						
5K	5101809	GASKET						2	3						
5K	5101914	GASKET					3	1							
		# FIGS. 5D, E, H, J, K.													

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	611	612	626	644	649	650	654	655	695	700	702	713
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION													
	5148330	BRACKET							2						
	5102827	BRACKET									1				
	5173022	BRACKET (5.5379)												2	
	179839	BOLT, 3/8"-16X1" (12.9001)							4						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							4					8	
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)									4				
	103321	LOCKWASHER, 3/8" (12.9200)							4					8	
	103322	LOCKWASHER, 7/16" (12.9200)							4						
	5131433	WASHER, SPECIAL (1.5001)							4						
	102635	NUT, 3/8"-16 (12.9120)							4						
		3.5398 - BRACKET, TURBOCHARGER AIR INLET													
#	**5106693**	BRACKET	1												
5C	**5143926**	BRACKET						1							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2												
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2												
	103321	LOCKWASHER, 3/8" (12.9200)	4												
	103341	WASHER, 3/8" (12.9190)	2												
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5415 - BRACKET, TURBOCHARGER AIR OUTLET TUBE													
	5173022	BRACKET (5.5379)			2									2	
	5112814	CLAMP (4.4190)			2									2	
	8920631	BOLT, 5/16"-18X1" (12.9001)			2										
	186625	BOLT, 5/16"-18X7/8" (12.9001)												2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)												2	
	103320	LOCKWASHER, 5/16" (12.9200)			2									2	
	103341	LOCKWASHER, 3/8" (12.9200)												2	
	120393	WASHER, 15/16" (12.9190)			2									2	
	220075	NUT, 5/16" (12.9120)			2									2	
	102635	NUT, 3/8"-16 (12.9120)												2	

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	611	612	626	644	649	650	654	655	695	700	702	713
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET													
#	5106722	TUBE, L.B.	1			1									
#	5106710	TUBE, R.B.	1			1									
	5106007	TUBE, L.B. & R.B.			2									2	
#	5143771	TUBE, L.B. & R.B.				2									
5C	5148368	TUBE, L.B.							1						
5K	5143954	TUBE, L.B.					1								
	5148339	TUBE, R.B.							1						
	5148360	TUBE, L.B.							1						
5C	5143927	TUBE, L.B.						1							
	5148379	TUBE, R.B.							1						
	8920985	TUBE								1					
	5103041	TUBE								1					
5K	5143953	ADAPTOR					2								
5C	5100799	ELBOW, R.B.							1						
5C	5148026	ELBOW, R.B.							2						
5C	5100798	ELBOW, L.B.						1	1						
#	5143832	ELBOW, R.B.						1							
	5148329	ELBOW, R.B.							2						
	5102826	ELBOW									1				
	5131162	CLAMP, 3 1/2" I.D.						1							
5C	8924380	PLUG, 1/8" SQ. SOC. PIPE (12.9550)						1	2						
	5142549	PLUG, 3/4" SQ. SOC. PIPE (12.9550)				2									
	179838	BOLT, 3/8"-16X7/8" (12.9001)						1							
	179839	BOLT, 3/8"-16X1" (12.9001)							6						
5C	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				12	20	12	12						
	186291	BOLT, 3/8"-16X8 1/2" (12.9001)							12						
5C	103319	LOCKWASHER, 1/4" (12.9200)							6						
5C	103321	LOCKWASHER, 3/8" (12.9200)				12	20	13	24						
	103341	WASHER, 3/8" (12.9190)				12		14	6						
	102635	NUT, 3/8"-16 (12.9120)					20	1	12						
		# FIGS. 5B, C, D, H, K.													
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW													
	5108989	GASKET	2												
5C	5133245	GASKET (3.1261)				2		2	2						
5C	5142599	GASKET					1								
5C	5147423	GASKET						2	4						
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION													
#	5162888	HOSE, 3 1/2" I.D.X2 3/4" O.D.	5			5		3	8	2	2		1		1
#	5106905	HOSE, 3 1/2" I.D.X3 1/4" L.		1											
#	5103399	HOSE, 2 1/2" I.D.X2 3/8" L.			4									4	
#	5144041	HOSE, 3" I.D.X2 3/4"L.					3								
	5108270	HOSE, 5 1/2"X3 1/2" (3.1270)								1					
#	9139809	CLAMP, 2 1/16" (12.9660)			8									8	
#	5188036	CLAMP, 3" (12.9660)					6								
#	5147912	CLAMP, 3 3/8" T. BOLT MIN ADJ.-.75" W.	8	2		8		6	16				2		
#	5147911	CLAMP, 3 3/8" T. BOLT MIN. ADJ.-.50" W.								4	4				2
	5114937	CLAMP, 5 1/2" (3.1280)								2					
		# FIGS. 5B, C, G, H, J, K.													

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	611	612	626	644	649	650	654	655	695	700	702	713
		3.5421 - HOUSING, INTERCOOLER TO AIR INLET HOUSING													
	5141488	HOUSING, INTERCOOLER OUTLET					1								
	179839	BOLT, 3/8"-16X1" (12.9001)					20								
	103321	LOCKWASHER, 3/8" (12.9200)					20								
	102635	NUT, 3/8"-16 (12.9120)					20								
		3.5425 - *INTERCOOLER, TURBOCHARGER*													
	8542182	INTERCOOLER ASSY.					2								
	5124107	INTERCOOLER ASSY. (FRONT)						1							
	5144485	INTERCOOLER ASSY. (REAR)						1							
	5148426	INTERCOOLER ASSY.							2						
	5142599	GASKET (3.5418)					1								
	5149433	+ GASKET						4							
	8924967	+ GASKET						8							
		+ PART OF 5144485 AND 5124107 INTERCOOLER ASSEMBLIES.													
		3.5426 - BRACKET, INTERCOOLER MOUNTING													
5K	**5141619**	SUPPORT					1								
5K	**5148337**	SUPPORT (L. BANK)							1						
5K	**5148403**	SUPPORT (R. BANK)							1						
	179839	BOLT, 3/8"-16X1" (12.9001)					4								
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)							6						
	179858	BOLT, 7/16"-14X1" (12.9001)					4								
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)							4						
	103320	LOCKWASHER, 5/16" (12.9200)							4						
	103321	LOCKWASHER, 3/8" (12.9200)					4								
	103322	LOCKWASHER, 7/16" (12.9200)					4								
		3.5436 - AFTERCOOLER													
5F	**5101327**	AFTERCOOLER		1								1			
5F	**5101152**	AFTERCOOLER			1									1	
5F	**5101138**	RING, SEAL .984" I.D.X.139" THK.		4	4							4		4	
	5101196	BOLT, 5/16"-18X9/16" W/NYLON PATCH		8	6							8		6	
		3.5438 - CONNECTIONS, AFTERCOOLER WATER OUTLET													
	5101023	CONNECTOR, 1" PIPE X 1 1/4" HOSE		1	1							1		1	
5F	**5101192**	ELBOW (WITH TUBE)		1	1							1		1	
5F	**5145581**	*GASKET (7.8020)*		1	1							1		1	
	8922420	HOSE, 1 1/4"X2.75"		1	1							1		1	
	5104958	CLAMP, 1 1/2" HOSE (12.9660)		2	2							2		2	
5F	**8920631**	BOLT, 5/16"-18X1" (12.9001)		2	2							2		2	
5F	**120393**	WASHER, 5/16" (12.9190)		2	2									2	
	103320	LOCKWASHER, 5/16" (12.9200)		2	2									2	
		# FIGS. 5A, B, C, D, E, G, H, J, K.													
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY													
#	**8923850**	HOSE, BULK #6 CUT TO 33.55" L.					2								
	5199575	HOSE, BULK NO. 6 CUT TO 34" L.									1				
#	**5107862**	HOSE, BULK NO. 6 CUT TO 39.2" L.						2							
#	**5199575**	HOSE, BULK #6 CUT TO 43.29" L. (12.8550)	2			2									

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	611	612	626	644	649	650	654	655	695	700	702	713
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY (CONT'D)													
	5199575	HOSE, BULK NO. 6 CUT TO 47" L.								1					
#	8924290	HOSE, BULK NO. 6 CUT TO 48" L.							1						
#	5199575	HOSE, BULK #6 CUT TO 56.21" L. (12.8550)			1										
#	8923967	HOSE, BULK NO. 6 CUT TO 56.55" L.							1						
#	5199575	HOSE, BULK #6X25' (CUT TO 49" L.)											1		
	5107863	HOSE, BULK NO. 6 CUT TO 42.2" L.												1	
#	5199575	HOSE, BULK NO. 6 CUT TO 40" L.													1
#	5131803	HOSE, 5/16"X52.5" (2.5050)		1											
#	5131847	COVER		1				2		1	1				
@	5170466	GASKET		1	2			2		1	1				
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2			2		2	2	1	1			2	
	8924218	CONNECTOR, 1/4" (12.9460)					1								
	8923847	PLUG, 1/4" NPTF (4.7001)											1		1
	8924378	BUSHING, 3/4"X1/4 RED. (12.9570)			1										
@	8925030	ELBOW, 3/8" TUBE 90 DEG. (12.9480)	2	1	3	2	1			1	1			1	1
#	8924168	ELBOW, 1/4" 90 DEG. (12.9480)		1											
@	5103890	SPACER			2										
	5160629	SPACER, 13/32"X7/32" (4.2270)			1										
	8924176	TEE, 1/4"-18 PIPE (12.9490)	1			1									
	442348	TEE, 1/4"-18 (12.9490)					1								
	8924200	TEE, 1/4" NPTF (2.5149)													1
	8925028	TEE, 3/8" PIPE (12.9490)						1	1						
	8924172	ADAPTOR, 1/4"-18 (12.9460)		1			1						1		1
#	5149497	FITTING, HOSE (12.8552)	1												
#	5199579	FITTING, HOSE (12.8552)	1		1	2				1	1		1	1	
#	5199588	FITTING, HOSE (12.8552)			1					1	1		1		1
	8923964	FITTING, HOSE (12.8552)												1	
	5142470	TUBING, 5" SPIRAL (7.7020)							1						
	5101020	STRAP, NYLON (2.5255)								1					
@	179823	BOLT, 5/16"-18X1 5/8" (12.9001)			4										
	179839	BOLT, 3/8"-16X1" (12.9001)		2				4		2	2				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1										
@	103320	LOCKWASHER, 5/16" (12.9200)			5										
	103321	LOCKWASHER, 3/8" (12.9200)		2				4		2	2				
		# FIGS. 5B, D, E, G, H, J & K.													
		@ FIGS. 5D, G, J & K.													
		3.5502 - CLIP, TURBOCHARGER OIL SUPPLY TUBE													
#	5103319	BRACKET (4.1540)	2			2									
#	5114541	BRACKET (7.1585)			1										
	5188248	BRACKET (7.1606)						1							
	5175606	BRACKET													1
	5113655	STUD, 5/16"-18X5/16"-24X2.46" (7.4509)			1										
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)			1										
#	2488022	CLIP, #6 HOSE (12.8554)		1	4					1			1	4	2
#	5177623	CLIP, 3/8" TUBE (2.5120)	2			2									2
#	5147599	CLIP, .562" DIA.-3/8" BOLT (12.8554)	4	1		4		2			2		1		
	2362448	CLIP, .688" DIA.-3/8" BOLT (12.8554)					2		4						
	179837	BOLT, 3/8"-16X3/4" (12.9001)	2			2			2						
	181360	BOLT, 3/8"-24X3/4" (12.9001)			1										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					1								
	179838	BOLT, 3/8"-16X7/8" (12.9001)													1
	103321	LOCKWASHER, 3/8" (12.9200)	2		1	2	1		2						1
	103322	LOCKWASHER, 7/16" (12.9200)													2
	103341	WASHER, 3/8" (12.9190)		1									1		2
	103342	WASHER, 7/16" (12.9190)		1					1				1		2
	5125108	WASHER, 7/16"X3/4" (2.4030)													2

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	611	612	626	644	649	650	654	655	695	700	702	713
		3.5502 - CLIP, TURBOCHARGER OIL SUPPLY TUBE (CONT'D)													
	122002	NUT, 5/16"-24 (12.9001)			1										
	102635	NUT, 3/8"-16 (12.9120)	2			2									1
	103026	NUT, 3/8"-24 (12.9120) # FIGS. 5D, E, G & H.			1										
		3.5503 - COVER, TURBOCHARGER OIL RETURN													
	5104946	COVER	2	1	2	2							1	2	
	5160629	SPACER, 13/32"X7/32" (4.2270)		1									1		
	179839	BOLT, 3/8"-16X1" (12.9001)	2			2									
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)		1											
	103321	LOCKWASHER, 3/8" (12.9200)	2			2							1		
		3.5504 - GASKET, TURBOCHARGER OIL RETURN COVER													
	5104507	GASKET (1.5060)				2							1	2	
		3.5505 - TUBE, TURBOCHARGER OIL RETURN													
#	5106190	TUBE		1									1		
#	5106691	TUBE (R.B.)	1			1									
#	5106698	TUBE (L.B.)	1			1									1
#	5106006	TUBE (R.B.)			1									1	
#	5106824	TUBE (L.B.)			1									1	
#	5101354	TUBE (L.B.)					1								
#	5100616	TUBE (R.B.)					1								
	8924596	TUBE (L.B.)						1							
	8924597	TUBE (R.B.)						1							
	5102959	TUBE							2						
	5143856	TUBE, L.B.								1	1				
	5143869	TUBE, L.B.								1					
	8925663	TUBE & COVER ASSY. (3.5503)									1				
	5128120	HOSE, 3/4"X2.26" L. (4.8001)													1
@	5169721	HOSE, 7/8"X2 1/2" L. (4.8010)	2		2	2					1			2	
@	5144628	HOSE, 7/8"X21" L.		1									1		
	8923868	HOSE, 28.84" L. (L. BANK)					1								
	8923869	HOSE, 26.84" L. (R. BANK)					1								
#	8924044	HOSE, #16 CUT TO 39.21" L. (L. BANK)						1							
#	8923974	HOSE, #16 CUT TO 27.36" L. (R. BANK)						1	2						
	5143618	HOSE, 7/8"X31" L. (L.B.)								1					
@	5170468	GASKET	2	1		2		2	2	1	1		1		1
@	5138977	GASKET			2		2							2	
	5104507	GASKET									1				
@	5186840	CLAMP, 13/16"-1 1/2" CLAMPING RANGE (12.9660)	4	2	4	4				2	2		2	4	
	9402867	ELBOW, 90 DEG. (4.4335)					2								
	8924157	ELBOW, 45 DEG. (12.9590)						2	2						
5H	8924207	ADAPTOR, 1" L. (4.4330)						2	2						
	144094	COUPLING, 1"X3/4" (9.9530)					2		2						
	8924164	NIPPLE, 3/4"X1 3/8" (12.9560)							2						
	127874	NIPPLE, 1"X1/2" (12.9560)					2								
	8924163	BUSHING, 3/4"X1/2" (12.9570)								1					
	8924152	BUSHING, 1"X3/4" REDUCING (12.9570)								1					
	5142470	TUBING, 5" SPIRAL (7.7020)							2						
@	179838	BOLT, 3/8"-16X7/8" (12.9001)		2						2	2		2	4	2
@	179839	BOLT, 3/8"-16X1" (12.9001)	4		4	4	4		4						
@	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						4							
@	103321	LOCKWASHER, 3/8" (12.9200)	4	2	4	4	4	4	4	2	2		2	4	2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	611	612	626	644	649	650	654	655	695	700	702	713
		3.5505 - TUBE, TURBOCHARGER OIL RETURN (CONT'D)													
		# FIGS. 5B, D, H, J & K.													
		@ FIGS. 5D & J.													
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE													
	5127861	BRACKET, CLIP (7.0587)					2								
	3291251	CLIP, 5/8" (1.1060)							1						
	2419766	CLIP, 1.06 DIA. (4.8040)					2								
	5147753	CLIP, 1.188" DIA. (12.8562)						1							
	179839	BOLT, 3/8"-16X1" (12.9001)					3	1							
	186317	BOLT, 3/8"-24X5" (12.9001)					1								
	103321	LOCKWASHER, 3/8" (12.9200)					4	1							
	102635	NUT, 3/8"-16 (12.9120)					3	1							
		3.5535 - INSULATION BLANKET, TURBOCHARGER													
5C	**5107187**	INSULATION BLANKET			2										
5C	**5107188**	INSULATION BLANKET			2										
5C	**8923878**	INSULATION BLANKET					1								
5C	**8923877**	INSULATION BLANKET					1								
5C	**8923871**	INSULATION BLANKET					2								
5C	**8924258**	INSULATION BLANKET						1							
5C	**8924257**	INSULATION BLANKET						2							
5C	**8924260**	INSULATION BLANKET							2						
5C	**8924259**	INSULATION BLANKET						1							
5C	**8924261**	INSULATION BLANKET							1						
5C	**8924262**	INSULATION BLANKET							1						
	5101619	INSULATION BLANKET							2						
5C	**8923929**	INSULATION BLANKET												1	
5C	**8923930**	INSULATION BLANKET												1	
5C	**8923926**	INSULATION BLANKET												2	
	5101163	WIRE, INSULATION BLANKET						AR							

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	715	716	718	719	720	721	722	723	724	725	726
		3.5001 - TURBOCHARGER												
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
#	**5103840**	TURBOCHARGER (T-18A40) (16V) PAGE B1	2	2										
#	**5103875**	TURBOCHARGER (T-18A40) (12V) PAGE B1			2	1								
#	**5101508**	TURBOCHARGER (TV-8101) (16V) PAGE A1					2							
#	**5102117**	TURBOCHARGER (TV-8101) (8V-16V) PAGE C1						2	2	2		1	1	1
#	**5102353**	TURBOCHARGER (TV-8102) (6V) PAGE C1									1			
	5150362	STUD, 3/8"-16X1 5/8" (5.2020)				4								
	5130488	STUD, 3/8"-16-24X1.88" (5.2020)									4	4	4	4
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	8	8	7			8	8	8				
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)					8							
	5131433	WASHER, .41"X.81"X.14" (1.5001)				4					4	4	4	4
	9411981	NUT, 3/8"-24 (12.9120) # FIGS. 5A, B, C, D, E, G, H, J & K.	8	8	7	4	8	8	8	8	4	4	4	4
		3.5002 - BRACKET, TURBOCHARGER SUPPORT												
	5100900	BRACKET (R.B.)			1									
	5100899	BRACKET (L.B.)			1									
	5163906	SPACER, 15/32"X3/16"X1/4" (7.1598)			4									
	5157412	SPACER, 7/8" O.D.X13/32" I.D.X1/4" THK. (7.4013)			6									
	186626	BOLT, 7/16"-14X1 5/8" (12.9001)			4									
	186628	BOLT, 7/16"-16X1 1/2" (12.9001)			6									
	103341	WASHER, 3/8" (12.9190)			2									
	103321	LOCKWASHER, 3/8" (12.9200)			6									
	103322	LOCKWASHER, 7/16" (12.9200)			4									

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	715	716	718	719	720	721	722	723	724	725	726
		3.5300 - BRACKET, TURBOCHARGER MOUNTING												
		AN ASSEMBLY INCLUDES BRACKET WHICH IS NOT SERVICED SEPARATELY AND TUBE IN 3.5300.												
	5140612	BRACKET ASSY.				1					1		1	1
#	**8921001**	BRACKET										1		
	5124331	TUBE (1.06" L.) (7.1595)				1								
#	**5122266**	GASKET (7.1597)				1					1	1	1	1
	5101377	BOLT, 3/8"-16X1" (12.9001) W/SEAL (5.2020)										2		
	5104594	BOLT, 1/4"-20X1.37" W/SEAL PATCH (12.9001)				2					2		2	2
	8925602	BOLT, 3/8"-16X1.13" W/SEAL PATCH (12.9001)				2					2		2	2
	8921936	BOLT, 7/16"-14X1.25" (12.9001) W/SEAL PATCH				1					1	1	1	
	186647	BOLT, 1/4"-20X1" (12.9001)										2		
	193221	BOLT, 7/16"-14X7/8" (12.9001)												1
	103321	LOCKWASHER, 3/8" (12.9200)				2					2		2	2
	103322	LOCKWASHER, 7/16" (12.9200)				1					1	1	1	1
	103319	LOCKWASHER, 1/4" (12.9200)									2	2	2	2
		# FIGS. 5A, B, C, D, E, G, H, J & K.												
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET												
	5101414	TUBE (R.B.)				1								1
	5101415	TUBE (L.B.)				1								1
	5145970	TUBE (R.B.)									1			
	5145971	TUBE (L.H.)									1			
	5140614	TUBE (R.B.)										1	1	
	5140615	TUBE (L.B.)										1	1	
5B	**5143567**	ADAPTOR (RB)	1	1			1	1	1	1				
5B	**5143568**	ADAPTOR (LB)	1	1			1	1	1	1				
#	**5132798**	ADAPTOR (R.H.)			1									
	5133154	ADAPTOR (L.H.)			1									
	5143106	TEE				1					1	1	1	1
	5148029	GASKET		2				2		2				
	5137620	CLAMP, 3.82" DIA. (6.2085)				4					4		2	2
	5137619	CLAMP, 4.50" DIA. (6.2085)										2	2	2
	5150362	STUD, 3/8"-16X1 5/8"				4					4	4		4
	5129111	STUD, 5/8"-11X2.60"	8	8			8	8	8	8				
	5130488	STUD, 3/8"-16-24X1.88" (5.2020)											4	
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			7									
	5131433	WASHER, .41"X.81"X.14" SPL.				4					4	4	4	4
	5103952	NUT, 5/8"-18 SPL.	8	8			8	8	8	8				
	9411981	NUT, 3/8"-24 LOCK (12.9170)			7	4					4	4	4	4
		# FIGS. 5B, C, D, E, G, J & K.												

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	715	716	718	719	720	721	722	723	724	725	726
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION												
#	**8923492**	GASKET # FIGS. 5D, E, H, J & K.	2	2	2	1	2	2	2	2	1	1	1	1
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION												
	5102277	SUPPORT	2	2			2	2	2	2				
	5143484	PLATE, BOLT LOCKING	2	2			2	2	2	4				
	5104688	PLATE, BOLT LOCKING	2	2			2	2	2	2				
	5176829	STUD, 7/16"-14-20X1 3/4" (1.3160)	2	2			2	2	2	2				
	5143483	SPACER, ADAPTOR SUPT.	4	4			4	4	4	2				
	5101377	BOLT, 3/8"-16X1" W/SEAL PATCH (5.2020)	4	4			4	4	4	4				
	8921936	BOLT, 7/16"-14X1 1/4" (12.9001)	2	2			2	2	2	2				
	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)	6	6			6	6	6	6				
	9174746	NUT, 7/16"-20 LOCK (12.9120)	2	2			2	2	2	2				
		3.5398 - BRACKET, TURBOCHARGER AIR INLET												
	5108013	SUPPORT (LOWER)	1	1			1	1	1	1				
	5108014	SUPPORT (UPPER)	1	1			1	1	1	1				
	186629	BOLT, 5/16"-18X1" (12.9001)	1	1			1		3	3				
	445566	BOLT, 1/4"-20X1 1/8" (12.9001)	1	1				1	1	1				
	186647	BOLT, 1/4"-20X1" (12.9001)	2	2				2	2	2				
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2	2			2	2	2	2				
	186625	BOLT, 5/16"-18X7/8" (12.9001)						3						
	120392	WASHER, 1/4" (12.9190)	2	2				2	2	2				
	5121403	WASHER, 21/64"X1"X3/16" (3.4080)	2	2			1	2	2	2				
	120393	WASHER, 5/16" (12.9190)	4	4			2	4	4	4				
	103320	LOCKWASHER, 5/16" (12.9200)	3	3			2	5	5	5				
	103319	LOCKWASHER, 1/4" (12.9200)	3	3				3	3	3				
	120376	NUT, 5/16"-18 (12.9120)						3	3	3				

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	715	716	718	719	720	721	722	723	724	725	726
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET												
	5108016	TUBE (L.B.) (28.30" L.)	1											
	5108017	TUBE (R.B.) (14.17" L.)	1	1										
	5108015	TUBE (L.B.) (27.11" L.)		1										
	5108018	TUBE ASSY. (15.89" L.)					1	1	1	1				
	5108019	TUBE ASSY. (29.67" L.)					1	1	1					
	5100897	TUBE (L.B.)			1									
	5100896	TUBE (R.B.)			1									
	5100773	TUBE			1									
	5108020	TUBE ASSY. (15.89" L.)								1				
5C	5100798	ELBOW (R.B.)			1									
	5100765	ELBOW (L.B.)			1									
	5148068	BRACKET	2	2			2	2	2	2				
	5137618	CLAMP, 4.90" DIA. (6.1001)			4									
	186618	BOLT, 5/16"-18X5/8" (12.9001)	4	4			4	4	4	4				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			12									
	103341	WASHER, 3/8" (12.9190)			12									
	120393	WASHER, 5/16" (12.9190)	2	2			4	4	4	4				
	103320	LOCKWASHER, 5/16" (12.9200)	4	4			4	4	4	4				
	103321	LOCKWASHER, 3/8" (12.9200)			12									
	120376	NUT, 5/16"-18 (12.9120)						2	2	2				
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW												
5C	5133245	GASKET (3.1261)			2									
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION												
	5106905	HOSE, 3 1/2" I.D.X3 1/4" L.	4	4	3		4	4	4	4	1			
	5162888	HOSE, 3 1/2" I.D.X3 3/4" L.			3	1							1	1
	5147912	CLAMP, "T" BOLT 3 3/8" MIN. ADJ.	8	8	6		8	8	8	8	2			
	5147911	CLAMP, "T" BOLT 3 3/8" MIN. ADJ.				2							2	2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	715	716	718	719	720	721	722	723	724	725	726
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY												
#	**5199575**	HOSE, BULK #6X25' (CUT TO 50" L.) (12.8550)	1	1					1	1				
#	**5199575**	HOSE, BULK #6X25' (CUT TO 54" L.) (12.8550)	1	1	2				1	1				
#	**5199575**	HOSE, BULK #6X25' (CUT TO 58" L.) (12.8550)					1	1						
#	**5199575**	HOSE, BULK #6X25' (CUT TO 40" L.) (12.8550)				1					1			
#	**5199575**	HOSE, BULK #6X25' (CUT TO 44" L.) (12.8552)					1	1						
#	**5199575**	HOSE, BULK #6X25' (CUT TO 49" L.) (12.8552)										1	1	1
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STRGHT. (12.8552)	2	2	2	1	2		2	2	1	1	1	1
	8923964	FITTING, HOSE (12.8552)	2	2	2	1	2		2	2	1			
	5199588	FITTING, HOSE 5/8"-90 DEG. (12.8552)										1	1	1
	8924154	ELBOW, 90 DEG.-3/8" TUBE (12.9480)	2	2	1	1	2	2	2	2	1			
	8924172	ADAPTOR, 1/4"-18 PIPE	2			1	2	2			1	1	1	1
	8924171	ADAPTOR, 1/4"-18 NPTF (12.9460)		2	2				2	2				
	444054	ELBOW, 45 DEG.-1/4" ST. (12.9590)				1								
	8924168	ELBOW, 90 DEG.-1/4" ST. W/SEAL (12.9590)										1		1
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1									
	8924200	TEE, 1/4" (W/SEAL) (12.9616)			1									
	2191465	TEE, 1/8"X1/4"X1/4" (7.8295)											1	
	8923847	PLUG, 1/4" NPTF (4.7001)				1								
	8924380	PLUG, 1/8"-27 NPTF W/SEAL (12.9550)											1	
	179858	BOLT, 7/16"-14X1" (12.9001)											1	
	5125108	WASHER, 7/16"X3/4" (2.4030)											1	
	103322	LOCKWASHER, 7/16" (12.9200)											1	

FIGS. 5A, B, C, D, E, G, H, J & K.

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

3.5502 - CLIP, TURBOCHARGER OIL SUPPLY TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	715	716	718	719	720	721	722	723	724	725	726
	5143841	BRACKET, CLIP (2.5180)	4	2	2		2	4	2	2				
	5114541	BRACKET, CLIP			1									
#	2488022	CLIP, .562" DIA.-3/8" BOLT (2.5100)	5	3		2		4	5	3	2	1	1	1
#	5147599	CLIP, .562" DIA.-1/2" BOLT (2.5120)	1	2	4	2		2	1		2	1	1	1
	5100364	CLIP, 5/8" TUBE-1/2" BOLT (1.1060)					3	1						
	5177623	CLIP, 3/8" TUBE-3/8" BOLT (2.5120)						2						
	3291251	CLIP, 5/8" (1.1060)						1						
	5159347	SPACER, 3/4"X1/2" (7.1581)	4	2			2	4	2	2				
	5164294	SPACER, 7/8"-13/32"X1/8" THK. (7.1581)	1	1			3	1	1	1				
	8921932	BOLT, 3/8"-16X1.25" W/SEAL PATCH (12.9001)	5	3	2		2	5	3	3				
	179838	BOLT, 3/8"-16X7/8" (12.9001)	4			1		2	2	2				
	8921933	BOLT, 3/8"-16X.88" W/SEAL PATCH (12.9001)		2			3			2				
	5104602	BOLT, 7/16"-14X1.00" W/SEAL PATCH			4									1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						1						
	179858	BOLT, 7/16"-14X1" (12.9001)									2			
	103341	WASHER, 3/8" (12.9190)	4			2		2	2		2	1		1
	5125108	WASHER, 7/16"X3/4" (2.4050)			4						2			
	103342	WASHER, 7/16" (12.9190)				2						1		
	103322	LOCKWASHER, 7/16" (12.9200)			4									1
	103321	LOCKWASHER, 3/8" (12.9200)	5	5	2	1	5	7	5	5				
	102635	NUT, 3/8"-16 (12.9120)	4	2		1		2	2	2				

FIGS. 5D, E, G & H.

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

3.5505 - TUBE, TURBOCHARGER OIL RETURN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	715	716	718	719	720	721	722	723	724	725	726
	5143603	TUBE (DEV. L. 12")	1	1										
#	5143971	TUBE (DEV. L. 33")	1	1					1	1				
#	5143604	TUBE (DEV. L. 13")	1	1			1	1						
#	5146231	TUBE (DEV. L. 33")	1	1			1	1	1	1				
	5100911	TUBE ASSY. (DEV. L. 5 1/2") L.B. UPPER			1									
	5100912	TUBE ASSY. (DEV. L. 4.40") R.B. UPPER			1									
	5100904	TUBE ASSY., L.B. LOWER			1									
	5100905	TUBE ASSY., R.B. LOWER			1									
	5106039	TUBE ASSY. (DEV. L. 11.86")				1								
#	5102363	TUBE (DEV. L. 32.56")					1	1						
#	5106992	TUBE (DEV. L. 13.77")					1	1						
	8921145	TUBE ASSY. (DEV. L. 13.54") R.B.							1	1				
	8921146	TUBE ASSY. (DEV. L. 12.12") L.B.							1	1				
#	5106190	TUBE										1		
	5107913	TUBE ASSY. (DEV. L. 7.58")									1		1	
	8921057	TUBE ASSY.												1
@	5186840	CLAMP, HOSE (13/16"-1 1/2") (12.9660)	4	4	4	4	4	4	4	4	2	2	2	4
	5128120	HOSE, 3/4"X2.26" L. (4.8001)				2					1			2
@	5169721	HOSE, 7/8"X3.50" L. (4.8010)	2	2	2		2	2	2	2				
	5144628	HOSE, 7/8"X21" L.										1		
	141621	ELBOW, 90 DEG.-3/4" ST. (12.9590)	1	1			2	2	1	1				
	119099	ELBOW, 90 DEG.-3/4" THD.	1	1					1	1				
	5138309	NIPPLE ASSY., 7/8" (12.9415)	2	2			2	2	2	2				
	8924164	NIPPLE, 3/4"X1 3/8" (12.9570)	1	1					1	1				
	5104946	COVER										1		
@	5170468	GASKET (LB & RB)	2	2	2	1	2	2	2	2	1	1	1	1
	5123812	GASKET (1.2060)			2									
	5104507	GASKET (1.5060)										1		
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)	2	2			2	2	2	2				
	5160629	SPACER, 13/32"X7/32" (4.2270)										1		

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	715	716	718	719	720	721	722	723	724	725	726
		3.5505 - TUBE, TURBOCHARGER OIL RETURN (CONT'D)												
	5113655	STUD, 5/16"-18 & 5/16"-24X2.46" (7.4509)	2	2			2	2	2	2				
	179838	BOLT, 3/8"-16X7/8" (12.9001)	4	4		2	4	6		4	2	2	2	2
	179839	BOLT, 3/8"-16X1" (12.9001)			4									
	179802	BOLT, 1/4"-20X1 5/8" (12.9001)			2									
	5104594	BOLT, 1/4"-20X1.37" W/SEAL PATCH			2									
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)										1		
	5179709	WASHER, 1/4" SPL. COP. (2.7175)			2									
	103341	WASHER, 3/8" (12.9190)					2	4						
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	2	4	6	4	4	2	2	2	2
	103319	LOCKWASHER, 1/4" (12.9200)			2									
	274558	NUT, 5/16"-24 (12.9140)	2	2			2	2	2					
	102635	NUT, 3/8"-16 (12.9120) # FIGS. 5B, D, H, J & K. @ FIGS. 5D & J.						2						
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE												
	5177623	CLIP, 3/8" TUBE-3/8" BOLT (2.5120)	2	2	2	1	2		2	2	1			
	5165244	CLIP, 7/8" (4.8040)	1	1			1	1	1	1				
	5186803	CLIP, 13/16" (7.7380)	1	1			1	1	1	1				
	2488022	CLIP, .562" DIA.-3/8" BOLT (12.8554)			5									
	5145492	CLIP, 3/4" I.D.				1								1
	5100364	CLIP, 5/8" TUBE-3/8" BOLT (2.5070)					1							
	3291251	CLIP, 5/8" TUBE-1/2" BOLT (1.1060)					1							
	5125912	BRACKET (4.1540)	2	2			2	2	2	2				
	5181325	BRACKET			1									
	5175606	BRACKET (4.1540)			2					1				
	5143841	BRACKET (2.5180)			2									
	5114541	BRACKET (7.1585)			1									
	5155464	BRACKET				1								
	5108956	BRACKET (4.1540)												1
	179835	BOLT, 3/8"-16X5/8" (12.9001)												1
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2	2		1	2		2		1			
	179837	BOLT, 3/8"-16X3/4" (12.9001)			7									
	186629	BOLT, 5/16"-18X1" (12.9001)				1								
	120393	WASHER, 5/16" (12.9120)				1								
	103341	WASHER, 3/8" (12.9200)	2	2			2		2	2				2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	7	1	2		2	2	1			1
	103320	LOCKWASHER, 5/16" (12.9200)				1								
	102635	NUT, 3/8"-16 (12.9120)	2	2	7		2		2	2	1			1
	120376	NUT, 5/16"-18 (12.9120)				1								

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7271	7278	7291	7308	7511	7710	8111	8115	8116	8331
		3.5001 - TURBOCHARGER										
		REFER TO ASSEMBLY BREAKDOWN PAGE AS INDICATED.										
#	**5102353**	TURBOCHARGER (TV8102) (12V) PAGE C1	1		1					2		
#	**5102117**	TURBOCHARGER (TV8101) (8V-16V) PAGE C1		1								
#	**5101509**	TURBOCHARGER (TV7101) (8V) PAGE A1				1		1				
#	**5103760**	TURBOCHARGER (TV7101) (12V) PAGE C1					1					
	8925137	TURBOCHARGER (TO4B98) (6V) PAGE D1							1			2
#	**5101513**	TURBOCHARGER (TV8101) (12V) PAGE B1									2	
5G	**5104978**	RING, SEAL 1.102"-1.138" I.D.X.092"-.098" WIDE (SQ. SECTION)						1			-	
5G	**8927270**	STUD, 3/8"-16-24X1.62" (12.9117)	4						8			8
5G	**5130488**	STUD, 3/8"-16-24X1.88" (5.2020)		4	4	4	4	4				
@	**23503410**	BOLT, 3/8"-24X1 3/4" (12.9001)									8	
@	**187425**	BOLT, 7/16"-14X5 1/4" (12.9001)						2				
@	**5131433**	WASHER, .41"X.81"X.14" (1.5001)	4	4	4	4	4	4	8		8	8
@	**103322**	LOCKWASHER, 7/16" (12.9200)						2				
@	**9411981**	NUT, 3/8"-24 (12.9120)	4	4	4	4	4	4	8		8	8
		# FIGS. 5A, B, C, D, E, G, H, J & K.										
		@ FIGS. D, E, K.										
		3.5300 - BRACKET, TURBOCHARGER MOUNTING										
		AN ASSEMBLY INCLUDES BRACKET WHICH IS NOT SERVICED SEPARATELY AND TUBE IN 3.5300.										
#	**5140612**	BRACKET ASSY.	1	1	1							
#	**8921001**	BRACKET				1	1					
#	**5124331**	TUBE (1.06" L.) (7.1595)	1									
#	**5122266**	GASKET (7.1597)	1	1	1	1	1					
	5173256	SPACER, 15/32"X13/16"X5/16" (7.1598)					1					
	8925602	BOLT, 3/8"-16X1.13" W/SEAL PATCH (12.9001)	2	2	2							
	8925601	BOLT, 1/4"-20X1.37" W/SEAL PATCH (12.9001)	2	2	2							
	8921936	BOLT, 7/16"-14X1.25" W/SEAL PATCH	1		1	1						
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		1								
	5101377	BOLT, 3/8"-16X1" W/SEAL SPL.				2	2					
	186647	BOLT, 1/4"-20X1" (12.9001)				2	2					
	5104163	BOLT, 7/16"-14X1.75" W/SEAL PATCH					1					
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2					
	103319	LOCKWASHER, 1/4" (12.9200)	2	2	2	2	2					
	103322	LOCKWASHER, 7/16" (12.9200)	1	1	1	1	1					
		# FIGS. 5A, B, C, D, E, G, H, J & K.										

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 727	728	729	730	751	770	811	815	816	831
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET										
#	5101414	TUBE (R.B.)	1		1	1						
#	5101415	TUBE (L.B.)	1		1	1						
#	5101417	TUBE (R.B.)		1								
#	5101416	TUBE (L.B.)		1								
#	5145970	TUBE (R.B.)					1					
#	5145971	TUBE (L.B.)					1					
#	5101763	TUBE (R.B.)						1				
#	5101413	TUBE (L.B.)						1				
#	5106037	ADAPTOR							2			2
	5141876	ADAPTOR								2		
5K	5130339	ADAPTOR									1	
#	5143106	TEE	1	1	1	1						
	8923167	TEE, 2.64" DIA.					1					
5G	8924482	ADAPTOR (TEE)						1				
@	5148008	ELBOW									2	
#	5137620	CLAMP, 3.82" DIA. (6.2085)	4	2	4	2	4	4				
	5137619	CLAMP, 4.50" DIA. (6.2085)		2		2						
	5132650	CLAMP, 5" DIA. (6.2085)									2	
#	8927270	STUD, 3/8"-16-24X1.62" (12.9117)	4		4	4	4					
#	5130488	STUD, 3/8"-16-24X1.88" (5.2020)		4								
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							8			8
5K	186628	BOLT, 3/8"-16X1 1/2" (12.9001)									4	
5K	427588	BOLT, 3/8"-16X2 1/2" (12.9001)									4	
	5131433	WASHER, .41"X.81"X.14" SPL.	4	4	4	4	4					
5K	103321	LOCKWASHER, 3/8" (12.9200)							8		8	8
	9411981	NUT, 3/8"-24 (12.9120)	4	4	4	4	4			8		
	117212	NUT, 3/8"-24 (12.9140)								2		
		# FIGS. 5A, B, C, D, E, G, H, J, K.										
		@ FIGS. D, E, K.										
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION										
#	8923492	GASKET	1	1	1	1	1	1		2		
#	5103394	GASKET (TURBO TO ADAPTOR)							2			
5D	8923580	GASKET (ADAPTOR TO MANIFOLD)							2			2
5D	5142225	GASKET (ADAPTOR TO MANIFOLD)								2		
	8929529	GASKET									2	
5K	5101809	GASKET (4.38" DIA.) (MANIFOLD FLANGE)									3	
		# FIGS. 5D, E, G, H, J & K.										
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION										
	5148330	BRACKET (SUPPORT)									2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)									4	
	8927581	BOLT, 3/8"-16X1.135" (12.9001)									4	
	103321	LOCKWASHER, 3/8" (12.9200)									4	
	5132147	WASHER, 13/32"X1.06"X.20" (3.4030)									4	
	102635	NUT, 3/8"-16 (12.9120)									4	
		3.5415 - BRACKET, TURBOCHARGER AIR OUTLET TUBE										
	5173022	BRACKET (5.5379)							2			2
	5112814	CLAMP (4.4190)							2			2
	186625	BOLT, 5/16"-18X7/8" (12.9001)							2			2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							2			2
	103320	LOCKWASHER, 5/16" (12.9200)							2			2

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 727	728	729	730	751	770	811	815	816	831
		3.5415 - BRACKET, TURBOCHARGER AIR OUTLET TUBE (CONT'D)										
	103321	LOCKWASHER, 3/8" (12.9200)							2			2
	120393	WASHER, 5/16" PLAIN (12.9190)							2			2
	103341	WASHER, 3/8" (12.9190)							2			2
	220075	NUT, 5/16"-18 (12.9120)							2			2
	102635	NUT, 3/8"-16 (12.9120)							2			2
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET										
5C,H	**8925669**	TUBE (3.50"X10.47") (R.B.)									1	
5B,C	**5106007**	TUBE							2			2
5H	**5107311**	TUBE (R.B.)								1		
5H	**5107310**	TUBE (L.B.)								1		
5C	**5148368**	TUBE (INTERCOOLER AIR OUTLET)									1	
5H	**5148379**	TUBE									1	
5C,H	**8922410**	TUBE (3.50"X7.16") (L.B.)									1	
5H	**5146467**	ELBOW								1		
5H,K	**5100798**	ELBOW (L.B.)								1	1	
5C,K	**5148026**	ELBOW (INTERCOOLER AIR OUTLET)									2	
5H	**5100799**	ELBOW									1	
5C,K	**5148329**	ELBOW (INTERCOOLER AIR INLET)									2	
5H	**8924380**	PLUG, 1/8"-27 PIPE (12.9550)								1	2	
5H	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)								12		
5K	**8927582**	BOLT, 3/8"-16X1.255" (12.9001)									12	
5C,H	**186291**	BOLT, 3/8"-16X3 1/2" (12.9001)									12	
5C,H	**103321**	LOCKWASHER, 3/8" (12.9200)								12	24	
	102635	NUT, 3/8"-16 (12.9120)									12	
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW										
5H,K	**5133245**	GASKET (3.1261)								2	2	
5C	**5147423**	GASKET (INTERCOOLER TO BLOWER)									4	
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION										
#	**5162888**	HOSE, 3 1/2" I.D. X 2 3/4" L.	1	1	1	1	1	1		4	8	
#	**5103399**	HOSE, 2 1/2" I.D.X2 3/8" L.							4			4
#	**5147911**	CLAMP, "T" BOLT 3 3/8" MIN. ADJ.-.75" W.	2	1	2			2				
#	**5147912**	CLAMP, "T" BOLT 3 3/8" MIN. ADJ.-.50" W.		1		2	2			8	16	
#	**9139809**	CLAMP, 2 1/16" MIN. ADJ. # FIGS. 5B, C, G, H, J & K.							8			8
		3.5425 - INTERCOOLER ASSY.										
5C,K	**5148426**	INTERCOOLER ASSY.									2	
		3.5426 - BRACKET, INTERCOOLER MOUNTING										
5K	**5148337**	BRACKET (L.H.)									1	
5K	**5148403**	BRACKET (R.H.)									1	
5K	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)									4	
5K	**8927581**	BOLT, 3/8"-16X1.135 (12.9001)									6	
5K	**186314**	BOLT, 3/8"-24X4 1/4" (12.9001)									6	
	103320	LOCKWASHER, 5/16" (12.9200)									4	
	103321	LOCKWASHER, 3/8" (12.9001)									6	

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 727	728	729	730	751	770	811	815	816	831
	3.5426	**- BRACKET, INTERCOOLER MOUNTING (CONT'D)**										
	103341	WASHER, 3/8" (12.9190)									6	

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7271	7281	7291	7301	7511	7701	8111	8151	8161	8311
		3.5436 - AFTERCOOLER										
5F	5101327	AFTERCOOLER ASSY.				1		1				
5F	5101152	AFTERCOOLER ASSY.							1			1
5F	5101138	RING, SEAL .984"X.139" (3.5438)				4		4	4			4
	5101196	BOLT, 5/16"-18X9/16" W/NYLON PATCH				8		8	6			6
		3.5438 - CONNECTIONS, AFTERCOOLER WATER OUTLET										
	5101023	CONNECTOR, 1" PIPE				1		1	1			1
	8922420	HOSE, 1.25"X2.75" L.				1		1	1			1
5F	5101192	ELBOW ASSY. (W/TUBE)				1		1	1			1
5F	5145581	GASKET (7.8020)				1		1	1			1
	8925030	ELBOW, 90 DEG. 3/8" INV. FLD. TUBE (12.9480)						1				
	5104958	CLAMP, 1 1/2" I.D. HOSE (12.9660)				2		2	2			2
5F	8920631	BOLT, 5/16"-18X1" (12.9001)						2	2			2
	120393	WASHER, 5/16" (12.9190)				2						
	103320	LOCKWASHER, 5/16" (12.9200)				2						
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY										
#	5199575	HOSE, BULK #6X25' (CUT TO 40" L.) (12.8550)	1	1	1							
#	5199575	HOSE, BULK #6X25' (CUT TO 44" L.) (12.8550)								2		
#	5199575	HOSE, BULK #6X25' (CUT TO 49" L.) (12.8550)				1						
#	5131803	HOSE ASSY., 5/16"X52 1/2" L.					1					
#	8923539	HOSE ASSY., #6 (BANDED COLOR CODE: GREEN)						1				
#	8923968	HOSE ASSY., #6X37.05" L.									2	
#	5107862	HOSE ASSY., #6X39.20" L. (R.B.)							1			1
#	8923967	HOSE ASSY., #6X56.55" L. (L.B.)							1			
	5107863	HOSE ASSY., #6X42.20" L. (L.B.)										1
	8924164	ELBOW, 90 DEG.-1/4" ST. W/SEAL (12.9590)	1									
	8925033	ELBOW, 45 DEG.-1/4" ST. (12.9590)	1									
	8924161	ELBOW, 45 DEG.-3/8" TUBE (12.9480)		1				2				
J,H	8925030	ELBOW, 90 DEG.-3/8" INV. FLD. TUBE (12.9480)			1		1		2	2	1	1
	8924168	ELBOW, 90 DEG. ST.-1/4" NPT (W/SEAL)				1						
@	8924171	CONNECTOR, INV. FLD. 3/8" TUBE (12.9460)							2	2	2	
	8924178	TEE, 1/4"-18 NPTF (12.9616)					1					
	8925028	TEE, 3-WAY 3/8" TUBE 1/4"-18 (12.9490)									1	
	8924378	BUSHING, 3/4"X1/4" RED. (12.9570)							1			
	8924172	ADAPTOR, 1/4"-18 PIPE W/SEAL (12.9460)	1	1	1	1	1			1	1	
	8923847	PLUG, 1/4" NPTF (4.7001)					1					
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STRGHT. (12.8552)	1	1	1	1				2		
	8923964	FITTING, HOSE (12.8552)	1	1	1					2		
	5199588	FITTING, HOSE (12.8552)				1						
	5101020	STRAP, NYLON TIE (2.5255)						1				

FIGS. 5B, D, E, G, H, J & K.
@ FIGS. J & K.

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 727	728	729	730	751	770	811	815	816	831
		3.5502 - CLIP, TURBOCHARGER OIL SUPPLY TUBE										
E,H	**5177623**	CLIP, 3/8" TUBE-3/8" BOLT (2.5120)	1	1	1					2		
E,H	**5147599**	CLIP, .562" DIA.-1/2" BOLT (2.5120)	2	2	2	1	2			2		
E,H	**2488022**	CLIP, .562" DIA.-3/8" BOLT (12.8554)	2	1	2	1	1		2			
E,H	**8923312**	CLIP, 3/8" TUBE						1				
	8923507	CLIP, .468" BOLT-NO. 6						1				
	5100364	CLIP, 5/8" (2.5070)								2		
E,H	**2362448**	CLIP, .688" DIA., 3/8" BOLT (12.8554)							2			4
E,H	**5175606**	BRACKET (4.1506)	1	1	1							
E,H	**5114541**	BRACKET (7.1585)							1			
E,H	**8923210**	BRACKET (3.5500)						1				
	5166565	BRACKET, CLIP (9.1591)								2		
	5175705	SPACER, 13/32"X7/8"X1" L. (8.3826)							1			
	5160629	SPACER, .62" O.D.X.22 L. (4.2270)							1			1
E,H	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)							1			
E,H	**179828**	BOLT, 5/16"-18X2 1/2" (12.9001)						1				
E,H	**179838**	BOLT, 3/8"-16X7/8" (12.9001)	1	1	1							2
	8927579	BOLT, 3/8"-16X.88" (12.9001)								2		
	8921932	BOLT, 3/8"-16X1.25" (12.9001)								2		2
	8927581	BOLT, 3/8"-16X1.135" L. (12.9001)										
E,H	**8927582**	BOLT, 3/8"-16X1.255"						1	1			
E,H	**181360**	BOLT, 3/8"-24X3/4" (12.9001)							1	2		
E,H	**179858**	BOLT, 7/16"-14X1" (12.9001)		2	2							
E,H	**5104163**	BOLT, 7/16"-14X1.75" W/SEAL PATCH (12.9001)					2					
E,H	**103341**	WASHER, 3/8" (12.9190)			1	1		1		3		
E,H	**5125108**	WASHER, 7/16"X3/4" (2.4050)		2	2							
E,H	**103321**	LOCKWASHER, 3/8" (12.9200)	1	1	1			1	1	4		
E,H	**103342**	LOCKWASHER, 7/16" (12.9200)		2		1						
E,H	**103322**	LOCKWASHER, 7/16" (12.9200)			2							
E,H	**102635**	NUT, 3/8"-16 (12.9120)	1	1	1			1				
E,H	**103026**	NUT, 3/8"-24 (12.9120)							1	1		
		# FIGS. 5D, E, G & H.										
		3.5503 - COVER, TURBOCHARGER OIL RETURN										
	5104946	COVER ASSY.				1	1		1			2
	5160629	SPACER, 13/32"X7/32" (4.2270)				1						
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)				1						
		3.5504 - GASKET, TURBOCHARGER OIL RETURN COVER										
	8924835	GASKET (1.5060)				1			1			
	5104507	GASKET										2

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 727	728	729	730	751	770	811	815	816	831
		3.5505 - TUBE, TURBOCHARGER OIL RETURN										
#	8921057	TUBE ASSY.	1	1								
	8924598	TUBE ASSY. (INCLUDES FLANGE IN 3.5505)									2	
#	5107913	TUBE ASSY. (7.58" L.)			1							
#	5106190	TUBE ASSY.				1						
#	5143702	TUBE ASSY. (DEV. L. 10.64") (R.B.)					1					
#	5106006	TUBE ASSY. (R.B.)							1			1
	5106004	TUBE ASSY. (L.B.)							1			
#	5143074	TUBE ASSY. (INCLUDES FLANGE IN 3.5505)								2		
	5106824	TUBE ASSY. (L.B.)										1
@	5128120	HOSE, 3/4"X2.26" L. (4.8001)	2	2								
@	5128120	HOSE, 3/4"X1.50" L. (4.8001)			1							
@	5169721	HOSE (CUT TO 1.74" L.) (4.8010)							2			2
#	5144983	HOSE, 16X16" L. (4.8175)					1					
#	5143298	HOSE ASSY. # 16X40" L. (L.B.) (INCLUDES FITTING & ELBOW IN 3.5505)								1		
#	5143299	HOSE ASSY. NO. 16X42" L. (R.B.) (INCLUDES FITTING & ELBOW IN 3.5505)								1		
	8923974	HOSE ASSY. # 16X27.36" L. (4.4355)									2	
@	5144628	HOSE ASSY., 7/8"X21" L.				1						
@	5186840	CLAMP, HOSE 1" DIA. (12.9660)	4	4	2	2	2		4			4
@	5170468	GASKET	1	1	1	1	1			2	2	
@	5138977	GASKET							2			2
	8924164	NIPPLE, 3/4"X1 3/8" (12.9560)									2	
	8924171	CONNECTOR, 3/8" INV. FL. TUBE-1/4" PIPE (12.9460)										1
	5144702	CONNECTOR, 3/4" PIPE TO .88" (5.2165)							1			
	5142070	FLANGE								2	2	
	5108583	FITTING, TYPE A16 1 5/16"-14 (12.9536)								4		
	8924157	ELBOW, 45 DEG. STRAIGHT (12.9590)								2		
	2463035	ELBOW, 45 DEG. 3/4" MALE (4.4330)									2	
	5137871	ELBOW, 90 DEG. SWIVEL 1" HOSE								1		
	8924207	ADAPTOR, STRAIGHT 1" FLD. TUBE								2		
@	179838	BOLT, 3/8"-16X7/8" (12.9001)	2	2	2	2	2					
	8927579	BOLT, 3/8"-16X.88" (12.9001)										4
@	8927581	BOLT, 3/8"-16X1.135" (12.9001)							4	4	4	
@	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2		4	4	4	4
	103342	WASHER, 7/16" (12.9190) # FIGS. 5B, D, H, J & K. @ FIGS. 5D & J.									2	
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE										
#	2362448	CLIP, .688" DIA. (12.8554)									2	
#	5145492	CLIP, 3/4"X13/32"	1	1								
	5155464	BRACKET	1									
#	5108956	BRACKET (4.1540)		1								
	8920631	BOLT, 5/16"-18X1" (12.9001)	1									
	179835	BOLT, 3/8"-16X5/8" (12.9001)		1								
	120393	WASHER, 5/16" (12.9190)	1									
	103341	WASHER, 3/8" (12.9190)		1								
	103320	LOCKWASHER, 5/16" (12.9200)	1									
	120376	NUT, 5/16"-18 (12.9120) # FIGS. 5A, B, C, D, E, G, H, J & K. @ FIGS. 5D & J.	1									

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

3.5535 - INSULATION BLANKET, TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 727	728	729	730	751	770	811	815	816	831
5C,K	**8923929**	INSULATION BLANKET (ADAPTOR L.B.)							1			1
5C,K	**8923930**	INSULATION BLANKET (ADAPTOR R.B.)							1			1
5C,K	**8923926**	INSULATION BLANKET (TURBOCHARGER)							2			2
5C,K	**8924260**	INSULATION BLANKET *(TURBOCHARGER)*									2	
5C,K	**8924261**	INSULATION BLANKET (EXH. INLET ELBOW L.B.)									1	
5C,K	**8924262**	INSULATION BLANKET (EXH. INLET ELBOW R.B.)									1	
	5101619	INSULATION BLANKET (BRACKET-SUPPORT)									2	

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8331	8334	8335	8336	8905	9005	9025	9026	9029	9031	9038	9053
		3.5001 - TURBOCHARGER												
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	8927162	TURBOCHARGER ASSY. (6V) (TV7503)	1			1								
	8927200	TURBOCHARGER ASSY. (6V, 12V) (TV7502) (PAGE D1)		1	1			2			2		2	
	8927199	TURBOCHARGER ASSY. (16V) (TV8503) (PAGE D1)					2							2
	8927198	TURBOCHARGER ASSY. (8V) (TV8501) (PAGE D1)								1				
	5102353	TURBOCHARGER ASSY. (12V) (TV8102) (PAGE C1)										2		
	5102117	TURBOCHARGER ASSY. (8V) (TV8101) (PAGE C1)							1					
5G	**5104978**	RING SEAL, 1.102"-1.138" I.D. X .092"-.098" WIDE (SQ. SECTION)	1			1				1				
	5130488	STUD, 3/8"X1.88" L. (5.2020)	4	4	4	4			4	4				
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)					8	7						8
	187425	BOLT, 7/16"-14X5 1/4" (12.9001)	2			2				2				
	5131433	WASHER, .41"X.81"X.14" (1.5001)	4	4	4	4			4	4				
	103322	LOCKWASHER, 7/16" (12.9200)	2			2				2				
	9411981	NUT, 3/8"-24 LOCK (12.9120)	4	4	4	4	8	7	4	4				8
		3.5002 - BRACKET, TURBOCHARGER SUPPORT												
	5143664	BRACKET						1						
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)						1						
	186317	BOLT, 3/8"-24X5" (12.9001)						2						
	5195500	SPACER, 13/32" I.D. X .624" O.D. X .380" THK. (12.4050)						1						
	5189440	SPACER						2						
	5132147	WASHER, 13/32" (3.4030)						3						
		3.5300 - BRACKET, TURBOCHARGER MOUNTING												
	8921001	BRACKET		1	1									
	5140612	BRACKET ASSY.							1					
	5122266	GASKET (7.1597)		1	1				1					
	8927270	STUD, 3/8"-16-24X1.62" (12.9117)		4	4									
	186647	BOLT, 1/4"-20X1" (12.9001)		2	2									
	8925601	BOLT, 1/4"-20X1.37" (12.9001)							2					
	5101377	BOLT, 3/8"-16X1" W/SEAL (5.2020)		2	2									
	8927581	BOLT, 3/8"-16X1.13" (12.9001)							2					
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)							1					
	5104163	BOLT, 7/16"-14X1.75" W/SEAL PATCH (12.9001)		1	1									
	5173256	SPACER, 15/32"X13/16"X5/16" (7.1598)		1	1									
	5131433	WASHER, .41"X.81"X.14" (1.5001)		4	4									
	103319	LOCKWASHER, 1/4" (12.9200)		2	2				2					
	103321	LOCKWASHER, 3/8" (12.9200)		2	2				2					
	103322	LOCKWASHER, 7/16" (12.9200)		1	1				2					
	9411981	NUT, 3/8"-24 LOCK (12.9120)		4	4									
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET												
	5143567	ADAPTOR (R. BANK)					1							1
	5143568	ADAPTOR (L. BANK)					1							1
5E	**5133154**	ADAPTOR						1						
	5141876	ADAPTOR						1			2	2	2	

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	834	835	836	895	905	925	926	929	931	938	953
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET (CONT'D)												
5J	**8924482**	ADAPTOR (TEE)	1			1				1				
5J	**8923167**	ADAPTOR (TEE)		1	1									
	5143106	ADAPTOR (TEE)							1					
5J	**5101394**	TUBE ASSY. (R. BANK)	1			1								
5J	**5101413**	TUBE ASSY. (L. BANK)	1			1				1				
5J	**5145970**	TUBE (R. BANK)		1	1									
5J	**5145971**	TUBE (L. BANK)		1	1									
	5143692	TUBE ASSY. (L. BANK)						1						
	5146714	TUBE (R. BANK)							1					
	5147399	TUBE (L. BANK)							1					
5J	**5101763**	TUBE ASSY. (R. BANK)								1				
5J	**5137620**	CLAMP (MARMON) (6.2085)	4	4	4	4			4	4				
	5137618	CLAMP, 4.90" DIA. (6.1001)						1						
	5144598	STUD, 1/2"-13-20X1.94" (12.9117)						4						
	8927270	STUD, 3/8"-16/24X1.62" (12.9117)							4					
	5129111	STUD, 5/8"-18X2.60" (1.5001)					8							8
	5131433	WASHER, .41"X.81"X.14" (1.5001)							4			8		
	9411981	NUT, 3/8"-24 LOCK (12.9120)						4	4		8	8	8	
	117212	NUT, 3/8"-24 (12.9140)						1			2	2	2	
	9415992	NUT, 1/2"-20X3/4" (12.9120)						4						
	5103952	NUT, 5/8"-18					8							8
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION												
5J	**8923492**	GASKET	1	1	1	1	2	2	1	1	2	2	2	2
5D	**5108989**	GASKET						1						
5D	**5142225**	GASKET						1			2	2	2	
5E	**5148029**	GASKET (6.2105)												2
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION												
	5102277	SUPPORT					2							2
	5143483	SPACER					4							4
	5104688	PLATE, BOLT LOCK					2							2
	5143484	PLATE, BOLT LOCK					2							2
	5176829	STUD, 7/16"X1.70" L. (1.3160)					2							2
	5101377	BOLT, 3/8"-16X1" (5.2020)					4							4
	8921936	BOLT, 7/16"-14X1.25" W/SEAL PATCH (5.2020)					2							2
	5108436	WASHER, 15/32" (7.1598)					6							6
	9174746	NUT, 7/16"-20 LOCK (12.9120)					2							2
		3.5398 - BRACKET, TURBOCHARGER AIR INLET												
	5108014	SUPPORT (UPPER)					1							1
	5108013	SUPPORT (LOWER)					1							1
	186647	BOLT, 1/4"-20X1" (12.9001)					2							2
	445566	BOLT, 1/4"-20X1 1/8" (12.9001)					1							1
	8920631	BOLT, 5/16"-18X1" (12.9001)					3							3
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)					2							2
	120392	WASHER, 1/4" (12.9190)					2							2
	120393	WASHER, 5/16" (12.9190)					4							4
	5121403	WASHER, 21/64" (3.4080)					2							2
	103319	LOCKWASHER, 1/4" (12.9200)					3							3
	103320	LOCKWASHER, 5/16" (12.9200)					5							5
	120376	NUT, 5/16"-18 (12.9120)					3							3

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	834	835	836	895	905	925	926	929	931	938	953
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET												
5H	**5143771**	ELBOW						1						
5H	**8923108**	ELBOW						1						
5H	**5146467**	ELBOW									1	1	1	
5H	**5100798**	ELBOW									1	1	1	
	5108018	TUBE ASSY. (R. BANK FRONT) (DEV. L. 15.89")					1							1
	5108019	TUBE ASSY. (L. BANK REAR) (DEV. L. 29.67")					1							
5H	**5106710**	TUBE, 3.50" O.D. (DEV. L. 22.70")						1						
5H	**8923107**	TUBE (R. BANK) (DEV. L. 9.50")						1						
5H	**5107311**	TUBE (R. BANK) (DEV. L. 8.86")									1			
5H	**5107310**	TUBE (L. BANK)									1			
	8925669	TUBE										1		
	5108020	TUBE ASSY.												1
5H	**8921918**	TUBE (L. BANK) (DEV. L. 9.46")											1	
5H	**8921919**	TUBE (R. BANK) (DEV. L. 16.09")										1	1	
	5148068	BRACKET					2							2
	5142549	PLUG, 3/4" SQ. SOC. PIPE (12.9550)						1						
	8924380	PLUG, 1/8" SQ. SOC. PIPE (12.9550)									1	1	1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						12					12	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)									12			
	8927581	BOLT, 3/8"-16X1.13" (12.9001)										12		
	186618	BOLT, 5/16"-18X5/8" (12.9001)					4							4
	120393	WASHER, 5/16" (12.9190)					4							4
	103341	WASHER, 3/8" (12.9190)											12	
	103320	LOCKWASHER, 5/16" (12.9200)					4							4
	103321	LOCKWASHER, 3/8" (12.9200)						12			12		12	
	120376	NUT, 5/16"-18 (12.9120)					2							2
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW												
5H	**5133245**	GASKET (3.1261)						2			2	2	2	
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION												
	8926957	HOSE, 4.00" I.D.X2.38" L.	1			1				1				
	5162888	HOSE, 3.50" I.D.X2.75" L.							1		4	2	4	
	5106905	HOSE, 3.50" I.D.X3.25" L.		1	1		4	4				2		4
	5147912	CLAMP, 3 3/8" ADJ. T-BOLT, .75" W.		2	2		8	8			8	8	8	8
	5147911	CLAMP, 3 3/8" ADJ. T-BOLT, .50" W.							2					
	8926958	CLAMP, 4.00" DIA. T-BOLT, .75" W.	2			2				2				
		3.5436 - AFTERCOOLER, TURBOCHARGER												
5F	**8925149**	AFTERCOOLER ASSY.			1	1		1			1		1	
5F	**8925150**	AFTERCOOLER ASSY.					2			1				2
5F	**8927362**	AFTERCOOLER ASSY. (3 PASS)						1			1		1	
5F	**5101138**	SEAL RING, .984"X.139"			4	4	8	8		4	8		8	8
5F	**5101196**	BOLT, 5/16"-18X9/16"			6	6	16	12		8	12		12	16
		3.5438 - CONNECTIONS, AFTERCOOLER WATER OUTLET												
	5101023	CONNECTOR, 1" PIPEX1 1/4" HOSE			1	1		1		1	1		1	
5F	**5101192**	ELBOW (WITH TUBE)			1	1		1		1	1		1	
5F	**5104536**	ELBOW (WITH TUBE)					2							2
	23500747	ELBOW (WITH TUBE)						1			1		1	
	23500750	TUBE ASSY. (WATER OUTLET)						1			1		1	

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8331	8334	8335	8336	8995	9005	9255	9266	9299	9331	9538	9553
		3.5438 - CONNECTIONS, AFTERCOOLER WATER OUTLET (CONT'D)												
	5104277	TUBE ASSY. (R. BANK)					1							1
	5104276	TUBE ASSY. (L. BANK)					1							1
5F	5145581	GASKET			1	1	2	1		1	1		1	2
	5104378	GASKET (WATER OUTLET)						1			1		1	
	8922774	GASKET (ELBOW WITH TUBE)						1			1		1	
	5104275	GASKET					2							2
	5120022	HOSE, 1 1/4"X27" L. (CUT L. 2.26") (4.8010)			1					1				
	5118149	HOSE, 1"X30" L. (CUT L. 2.50") (4.1642)						1			1		1	
	8922420	HOSE, 1 1/4"X2 3/4" L.				1	2	1			1		1	2
	5186840	CLAMP, 1" HOSE (12.9660)						1			2		2	
	2337379	CLAMP, 1 1/2" HOSE (12.9660)			2		4			2				4
	5104958	CLAMP, 1 1/2" HOSE (12.9660)				2		2			2		2	
	8926978	DRAINCOCK, 1/8" (12.9510)						1			1		1	
	179837	BOLT, 3/8"-16X3/4" (12.9001)						2			2		2	
	179839	BOLT, 3/8"-16X1" (12.9001)					4	4						4
	179847	BOLT, 3/8"-16X2" (12.9001)						2			2		2	
	8920631	BOLT, 5/16"-18X1" (12.9001)			2	2	2	2		2	2		2	2
	186643	BOLT, 5/16"-18X2 1/16" (12.9001)					2							2
	120393	WASHER, 5/16" (12.9190)					4							4
5F	103320	LOCKWASHER, 5/16" (12.9200)					4							4
	103321	LOCKWASHER, 3/8" (12.9200)					4	4			4		4	4
		3.5445 - BRACKET, AFTERCOOLER WATER OUTLET TUBE												
	8927088	BRACKET (FOR WATER OUTLET TUBE)						1			1		1	
	8922777	BRACKET (FOR ELBOW W/TUBE)						1			1		1	
	5183247	CLIP, 1" (8.3801)						2			2		2	
	179837	BOLT, 3/8"-16X3/4" (12.9001)						1			1		1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)						2			2		2	
	103341	WASHER, 3/8" (12.9120)						2			2		2	
	103321	LOCKWASHER, 3/8" (12.9200)						2			3		3	
	102635	NUT, 3/8"-16 (12.9120)						2			1		2	
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY												
	8923538	HOSE ASSY., #6X35.60" L.	1			1								
	5131575	HOSE ASSY., #6X39.24" L. (7.8300)						1						
	5199575	HOSE, BULK #6X25 FT. (CUT L. 44") (12.8550)									2			
	5137131	HOSE ASSY., #6X47" L. (R. BANK) (2.5149)						1				2	2	
	5199575	HOSE, BULK #6X25 FT. (CUT L. 49") (12.8550)							1					
	5199575	HOSE, BULK #6X25 FT. (CUT L. 50") (12.8550)					2							2
	5131803	HOSE ASSY., #6X52.50" L.		1	1									
	8923539	HOSE ASSY., #6								1				
	8923847	PLUG, 1/4" PIPE (4.7001)		1	1			1						
	5199579	FITTING, #6 HOSE (5/8"-18 INV. FL.) (12.8552)					2		1					2
	5199588	FITTING, #6 HOSE (5/8"-18 INV. FL., 90 DEG.) (12.8552)							1					
	8923964	FITTING, #6 HOSE (12.8552)					2							2
	8924171	CONNECTOR, 3/8" INV. FL. TUBE; 1/4" PIPE (12.9460)	2			2	2	3	1	1	2	2	2	2
	8924178	TEE, 1/4"-18 PIPE (12.9616)		1	1									
	8925028	TEE, 3 WAY (12.9490)					1							1
	8924172	ADAPTOR, 1/4"-18 PIPE (12.9460)		1	1						2			

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	834	835	836	895	905	925	926	929	931	938	953
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY (CONT'D)												
	8924161	ELBOW, 3/8" INV. FL. TUBE - 45 DEG.; 1/4" PIPE (12.9480)								1				
	8925030	ELBOW, 3/8" INV. FL. TUBE - 90 DEG.; 1/4" PIPE (12.9480)		1	1		2	2			2	2	2	2
	8924168	ELBOW, 3/8" INV. FL. TUBE-90 DEG.; 1/4" PIPE (12.9480)							1					
		3.5502 - CLIP, OIL SUPPLY TUBE												
	8923312	CLIP, 3/8" TUBE; 7/16" BOLT HOLE	1			1				1				
	5177623	CLIP, 3/8"									2			
	8923507	CLIP, #6 HOSE; .468" BOLT HOLE	1							1				
	2488022	CLIP, #6 HOSE; 3/8" BOLT HOLE (12.8554)		1	1		5		1					4
	5147599	CLIP, #6 HOSE; 1/2" BOLT HOLE (2.5120)		2	2		1		1			2	2	1
	3291251	CLIP, 5/8" (1.1060)						2						
	5100364	CLIP, 5/8" (2.5070)									2			
	5171509	CLIP, 5/8" (9.1591)						1						
	5165244	CLIP, 7/8" (4.8040)					2							
	5184291	CLIP, 1 1/4" (8.3820)						1				2	2	
	5188969	BRACKET					1							
	8923210	BRACKET, 90 DEG. 7/16" SLOTTED; 3/8" BOLT HOLE	1			1								
	5143841	BRACKET					2						2	2
	5166565	BRACKET, CLIP									2			
	5144629	BRACKET, CLIP 90 DEG.								1				
	5101020	STRAP, NYLON TIE (2.5255)	1			1				1				
	5113655	STUD, 5/16"-18-24X2.46" (7.4509)					2							
	5164294	SPACER, 7/8"X13/32"X1/8" (7.1581)												1
	5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)					2						2	2
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)					2							
	186625	BOLT, 5/16"-18X7/8" (12.9001)					1							
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)	1			1				1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)						1						
	8921933	BOLT, 3/8"-16X.88" W/SEAL (12.9001)												2
	179839	BOLT, 3/8"-16X1" (12.9001)					2							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1			1				1				
	8925602	BOLT, 3/8"-16X1.13" W/SEAL PATCH (12.9001)											2	
	8921932	BOLT, 3/8"-16X1.25" W/SEAL PATCH (12.9001)					2						2	3
	181360	BOLT, 3/8"-24X3/4" (12.9001)									2			
	5104602	BOLT, 7/16"-14X1" (12.9001)							1					
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)						2						
	5104163	BOLT, 7/16"-14X1.75" W/SEAL PATCH (12.9001)		1	1									
	106261	WASHER, 5/16" (12.9190)					1							
	103341	WASHER, 3/8" (12.9190)	1			1	4		1	1	2			
	5125108	WASHER, 7/16" (2.4030)							1					
	103320	LOCKWASHER, 5/16" (12.9200)					1							
	103321	LOCKWASHER, 3/8" (12.9200)	1			1	4	1		1	3	2	4	5
	103322	LOCKWASHER, 7/16" (12.9200)							1					
	120376	NUT, 5/16"-18 (12.9120)					1							
	102635	NUT, 3/8"-16 (12.9120)	1			1	2	1		1		2	2	2
	103026	NUT, 3/8"-24 (12.9120)									2			

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	834	835	836	895	905	925	926	929	931	938	953
		3.5503 - COVER, TURBOCHARGER OIL RETURN												
	5104946	COVER ASSY.		1	1			1						
	5125256	COVER, OIL PAN						1				2	2	
	5142549	PLUG, 3/4" PIPE (12.9550)						1						
	5168176	GASKET						1				2	2	
	8927579	BOLT, 3/8"-16X.88" (12.9001)										4		
	179839	BOLT, 3/8"-16X1" (12.9001)											4	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						2						
	103321	LOCKWASHER, 3/8" (12.9200)						2				4	4	
		3.5505 - TUBE, TURBOCHARGER OIL RETURN												
	5143074	TUBE ASSY. (DEV. L. 4.28") (R. BANK)						1			2	2	2	
	5143702	TUBE ASSY. (DEV. L. 10.64")		1	1									
	8921648	TUBE ASSY. (DEV. L. 12.22") (R. BANK, UPPER)					1							
	8921146	TUBE ASSY. (DEV. L. 12.22") (L. BANK)					1							1
	8921145	TUBE ASSY. (DEV. L. 13.54") (R. BANK)											1	
	5106698	TUBE ASSY. (DEV. L. 13.44") (L. BANK)						1						
	8921057	TUBE ASSY.							1					
	5104689	TUBE (DEV. L. 32.53") (R. BANK, LOWER)					1							
	5146231	TUBE (DEV. L. 33.50") (L. BANK, LOWER)					1							1
	5143971	TUBE (DEV. L. 33.90") (R. BANK, LOWER)											1	
	5128120	HOSE, 3/4" I.D.X28" L. (CUT L. 2.26") (4.8001)							2					
	5169721	HOSE, 7/8" I.D. X 24" L. (CUT L. 2.50") (L. BANK) (4.8010)						1						
	5169721	HOSE, 7/8" I.D. X 24" L. (CUT L. 3.50") (4.8010)					2							2
	5144983	HOSE, #16X16" L. (4.8175)		1	1									
	5133328	HOSE ASSY., #16X32.00" L. (LEFT AND RIGHT BANK)										2	2	
	5143298	HOSE ASSY., #16X40.00" L.									1			
	5143299	HOSE ASSY., #16X42.00" L. (R. BANK)						1			1			
	5186840	CLAMP, HOSE (13/16"-1 1/2" RANGE) (12.9660)		2	2		4	2	4					4
	8923847	PLUG, 1/4" PIPE (4.7001)						1						
	5170468	GASKET		1	1		2	2	1		2	2	2	2
	8924157	ELBOW, 45 DEG. STREET - 3/8" TUBE (12.9590)						1			2	2	2	
	141621	ELBOW, 3/4"-90 DEG. STREET (12.9590)					1							1
	1190099	ELBOW, 3/4"-90 DEG. (12.9600)					1							1
	8925097	CONNECTOR ASSY., 7/8" TUBE; 3/4" PIPE (12.9415)					2							2
	8924207	CONNECTOR, 1" FL. TUBE (4.4330)						2			2	2	2	
	8924164	NIPPLE, 3/8"X1 3/8" PIPE (12.9560)					1							1
	8924176	TEE, 1/4" PIPE (12.9490)						1						
	179838	BOLT, 3/8"-16X7/8" (12.9001)		2	2		4							4
	8927579	BOLT, 3/8"-16X.88" (12.9001)							2			4		
	179839	BOLT, 3/8"-16X1" (12.9001)						4			4		4	
	103321	LOCKWASHER, 3/8" (12.9200)		2	2		4	4	2		4	4	4	4
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE												
	5184291	CLIP, 1 1/4" (8.3820)						1						
	5177623	CLIP, 3/8" TUBE (2.5120)					2							2
	5145492	CLIP, 3/4" HOSE							1					
	5165244	CLIP, 7/8" (4.8040)												2
	5125912	BRACKET (4.1540)					2							2
	5108956	BRACKET							1					
	5113655	STUD, 5/16"-18-24X2.46" (7.4509)												2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	834	835	836	895	905	925	926	929	931	938	953
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE (CONT'D)												
	8927578	BOLT, 3/8"-16X.75" (12.9001)							1					
	179838	BOLT, 3/8"-16X7/8" (12.9001)					2							2
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)						1						
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)												2
	103341	WASHER, 3/8" (12.9190)					2		2					2
	103321	LOCKWASHER, 3/8" (12.9200)					2		1					2
	274558	NUT, 5/16"-24 (12.7040)												2
	102635	NUT, 3/8"-16 (12.9120)					2		1					2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9544	9555	9600	9622	9633	9644	9655	9666	9800	9886	10044	10055
		3.5001 - TURBOCHARGER												
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	8927200	TURBOCHARGER ASSY. (6V) (TV7502) (PAGE D1)		2						2		2		
	8927199	TURBOCHARGER ASSY. (16V) (TV8503) (PAGE D1)	1		1		1		2					
	8927198	TURBOCHARGER ASSY. (8V) (TV8501) (PAGE D1)				1								
	8927827	* TURBOCHARGER ASSY. (12V) (T04E03)						4						
	5102353	TURBOCHARGER ASSY. (12V) (TV8102) (PAGE C1)									2			
	5106250	TURBOCHARGER ASSY. (6V) (T04B98) (PAGE D1)											2	2
5G	**5104978**	RING SEAL 1.102"-1.138" I.D. X .092"-.098" WIDE (SQ. SECTION)				1								
	5130488	STUD, 3/8"X1.88" L. (5.2020)	4		4	4	4							
	8927270	*STUD, 3/8"-16-24X1.62" (12.9117)*						16						
	23503408	STUD, 3/8"-16-24X1 9/16" (12.9117)											8	8
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)							8					
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)										8		
	187425	BOLT, 7/16"-14X5 1/4" (12.9001)				2								
	5131433	WASHER, .41"X.81"X.14" (1.5001)	4		4	4	4	16					8	8
	103322	LOCKWASHER, 7/16" (12.9200)				2								
	9411981	NUT, 3/8"-24 LOCK (12.9120)	4		4	4	4	16	8	8		8	8	8
		* COMPONENT PARTS OF ASSY. ARE NOT CURRENTLY AVAILABLE FOR SERVICE.												
		3.5002 - BRACKET, TURBOCHARGER SUPPORT												
	5143664	BRACKET		1										
	186317	BOLT, 3/8"-24X5" (12.9001)		2										
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)		1										
	5195500	SPACER, 13/32" I.D.X.624" O.D.X.380" THK. (12.4050)		1										
	5189440	SPACER		2										
	5132147	WASHER, 13/32" (3.4030)		3										
	103321	LOCKWASHER, 3/8" (12.9200)		1										
	102635	NUT, 3/8"-16 (12.9120)		1										
		3.5300 - BRACKET, TURBOCHARGER MOUNTING												
	5140612	BRACKET ASSY.	1											
	8922568	BRACKET (R. BANK, UPPER)		1										
	8922567	BRACKET (R. BANK, LOWER)		1										
	8921001	BRACKET			1		1							
	5122266	GASKET (7.1597)	1		1		1							
	8927270	STUD, 3/8"-16-24X1.62" (12.9117)	4		4		4							
	186647	BOLT, 1/4"-20X1" (12.9001)			2		2							
	8925601	BOLT, 1/4"-20X1.37" W/SEAL PATCH (12.9001)	2											
	5101377	*BOLT, 3/8"-16X1" W/SEAL (5.2020)*			2		2							
	8925602	BOLT, 3/8"-16X1.13" W/SEAL PATCH (12.9001)	2											
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)		3										
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)		3										
	186317	BOLT, 3/8"-24X5" (12.9001)		1										
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	1											
	8921936	BOLT, 7/16"-14X1.25" W/SEAL PATCH (12.9001)			1		1							

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9544	9555	9600	9622	9633	9644	9655	9666	9800	9886	10044	10055
	5129111	STUD, 5/8"-18X2.60" (1.5001)							8					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											8	8
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)		14										
	5195500	SPACER, 13/32" I.D.X.624" O.D.X.380" THK. (12.4050)		3										
	5189440	SPACER (2.8756)		1										
	5132147	WASHER, 13/32" (3.4030)		10										
	5131433	WASHER, .41"X.81"X.14" (1.5001)	4		4		4							
	103319	LOCKWASHER, 1/4" (12.9200)	2		2		2							
	103321	LOCKWASHER, 3/8" (12.9200)	2	3	2		2							
	103322	LOCKWASHER, 7/16" (12.9200)	1		1		1							
	102635	NUT, 3/8"-16 (12.9120)		3										
	9411981	NUT, 3/8"-24 LOCK (12.9120)	4		4		4							
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET												
5E	5133154	ADAPTOR		1										
	5132798	ADAPTOR		1										
	8925707	ADAPTOR (LEFT BANK REAR, RIGHT BANK FRONT)						2						
	8925708	ADAPTOR (RIGHT BANK REAR, LEFT BANK FRONT)						2						
	5143567	ADAPTOR (L. BANK)							1					
	5143568	ADAPTOR (R. BANK)							1					
	5141876	ADAPTOR								2	2			
	5143106	ADAPTOR (TEE)	1		1		1							
5J	8924482	ADAPTOR (TEE)				1								
	5106037	ADAPTOR											2	2
	5140614	TUBE ASSY. (R. BANK)	1		1		1							
	5140615	TUBE ASSY. (L. BANK)	1		1		1							
	5143692	TUBE ASSY. (L. BANK)		1										
	8926212	TUBE ASSY. (R. BANK)		1										
5J	5101763	TUBE ASSY. (R. BANK)				1								
5J	5101413	TUBE ASSY. (L. BANK)				1								
	5106539	TUBE ASSY. (R. BANK)										1		
	5106540	TUBE ASSY. (L. BANK)										1		
5J	5137620	CLAMP (MARMON) (6.2085)	2		2	2	2							
	5137618	CLAMP, 4.90" DIA. (6.1001)		2										
	5137619	CLAMP, 4.50" DIA. (6.2085)	2		2		2							
	5144598	STUD, 1/2"-13-20X1.94" (12.9117)		8								8		
	117212	NUT, 3/8"-24 (12.9140)								2	2			
	9415992	NUT, 1/2"-20X3/4" (12.9120)		8								8		
	5103952	NUT, 5/8"-18							8					
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION												
5J	8923492	GASKET	1	2	1	1	1		2	2	2			
5D	5108989	GASKET		2								2		
	5103394	GASKET						4					2	2
5E	5148029	GASKET (6.2105)							2					
	5145238	GASKET						4						
5D	5142225	GASKET								2	2			
	8923580	GASKET											2	2

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9544	9555	9600	9622	9633	9644	9665	9666	9800	9886	10004	10005
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION												
	5102277	SUPPORT							2					
	5143483	SPACER							4					
	5104688	PLATE, BOLT LOCK							2					
	5143484	PLATE, BOLT LOCK							2					
	5176829	STUD, 7/16"X1.70" L. (1.3160)							2					
	5101377	BOLT, 3/8"-16X1" (5.2020)							4					
	8921936	BOLT, 7/16"-14X1.25" W/SEAL PATCH (5.2020)							2					
	5108436	WASHER, 15/32" (7.1598)							6					
	9174746	NUT, 7/16"-20 LOCK (12.9120)							2					
		3.5398 - BRACKET, TURBOCHARGER AIR INLET												
	5106693	BRACKET		1								1		
	5173022	BRACKET, AIR SILENCER MTG.											2	2
	5108014	SUPPORT (UPPER)							1					
	5108013	SUPPORT (LOWER)							1					
	5106711	BRACE (L.H.)										1		
	5106712	BRACE (R.H.)										1		
	5112814	CLAMP (4.4190)											2	2
	186647	BOLT, 1/4"-20X1" (12.9001)							2					
	445566	BOLT, 1/4"-20X1 1/8" (12.9001)							1					
	186625	BOLT, 5/16"-18X7/8" (12.9001)							3				2	2
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)							2					
	8927579	BOLT, 3/8"-16X.88" (12.9001)										2		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2								2	2	2
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		2								2		
	5157412	SPACER, 7/8"X13/32"X1/4" (7.4013)		2								2		
	120392	WASHER, 1/4" (12.9190)							2					
	120393	WASHER, 5/16" (12.9190)							4				2	2
	5121403	WASHER, 21/64" (3.4080)							2					
	103341	WASHER, 3/8" (12.9190)		2								4	2	2
	5132147	WASHER, 13/32" (3.4030)										2		
	103319	LOCKWASHER, 1/4" (12.9200)							7					
	103320	LOCKWASHER, 5/16" (12.9200)							2				2	2
	103321	LOCKWASHER, 3/8" (12.9200)		4								6	2	2
	120376	NUT, 5/16"-18 (12.9120)							3					
	220075	NUT, 5/16"-18 (12.9120)											2	2
	102635	NUT, 3/8"-16 (12.9120)											2	2
		3.5400 - ELBOW, TURBOCHARGER AIR INLET												
5D	5106964	ADAPTOR (3.5305)		1								1		
5D	5108724	HOSE, 5.00" I.D. X 2.26" L. (3.1270)		2								2		
5D	5114937	CLAMP, 5 1/2" (3.1280)		4								4		
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET												
	8921042	ELBOW	1											
	5143771	ELBOW		2								2		
	5100799	ELBOW						2						
	8925699	ELBOW						2						
	5146467	ELBOW								1	1			
	5100798	ELBOW								1	1			
	5106710	TUBE, 3.50" O.D. (R. BANK)		1								1		
	5106722	TUBE, 3.50" I.D. (L. BANK)		1								1		
	8925703	TUBE (LEFT BANK REAR)						1						
	8925704	TUBE (RIGHT BANK REAR)						1						
	8925705	TUBE (LEFT BANK FRONT)						1						
	8925706	TUBE (RIGHT BANK FRONT)						1						

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9544	9555	9600	9622	9633	9644	9655	9666	9800	9886	10044	10055
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET (CONT'D)												
	5108018	TUBE ASSY. (R. BANK FRONT)							1					
	5108019	TUBE ASSY. (L. BANK REAR)							1					
	5107311	TUBE (R. BANK)								1				
	5107310	TUBE (L. BANK)								1				
	8925669	TUBE (L. BANK)									1			
	8921919	TUBE (R. BANK)									1			
	5106007	TUBE											2	2
	5148068	BRACKET							2					
	8923847	PLUG, 1/4" SQ. SOC. PIPE (4.7001)	1											
	5142549	PLUG, 3/4" SQ. SOC. PIPE (12.9550)		2								2		
	8924380	PLUG, 1/8" SQ. SOC. PIPE (12.9550)								1	1			
	186618	BOLT, 5/16"-18X5/8" (12.9001)							4					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		12				24						
	8927581	BOLT, 3/8"-16X1.13" (12.9001)									12	12		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	6							12				
	120393	WASHER, 5/16" (12.9190)							4					
	103341	WASHER, 3/8" (12.9190)		12				24						
	103320	LOCKWASHER, 5/16" (12.9200)							4					
	103321	LOCKWASHER, 3/8" (12.9200)	6	12				24		12				
	120376	NUT, 5/16"-18 (12.9120)							2					
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW												
	5145635	GASKET	1											
	5133245	GASKET (3.1261)		2				4		2	2			
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION												
	8927828	HOSE, 2.00" I.D. X 2.50" I.D. X 1.75" L.						4						
	5103399	HOSE, 2.50" I.D. X 2.38" L.											4	4
	5162888	HOSE, 3.50" I.D. X 2.75" L.	1	4				4		4	4	4		
	5106905	HOSE, 3.50" I.D. X 3.25" L.			1		1		4					
	8926957	HOSE, 4.00" I.D. X 2.38" L.				1								
	5145034	CLAMP, 1 15/16" MIN. W/SPRING (5.2165)						4						
	9139809	CLAMP, 2 1/4" HOSE											8	8
	5145033	CLAMP, 2 9/16" MIN. W/SPRING (5.2124)						4						
	5147911	CLAMP, 3 3/8" ADJ. T-BOLT, .50" W.						8						
	5147912	CLAMP, 3 3/8" ADJ. T-BOLT, .75" W.	2	8	2		2		8	8	8	8		
	8926958	CLAMP, 4.00" DIA. T-BOLT, .75" W.				2								
		3.5436 - AFTERCOOLER, TURBOCHARGER												
5F	8925150	AFTERCOOLER ASSY.	1				1		2			1		
5F	8925149	AFTERCOOLER ASSY.		1				1		1				
5F	8927362	AFTERCOOLER ASSY. (3 PASS)		1				1		1		1		
5F	5101138	SEAL RING, .984"X.139"	4	8			4	8	8	8		8	4	4
	5101152	AFTERCOOLER ASSY.											1	1
5F	5101196	BOLT, 5/16"-18X9/16"	8	12			8	12	16	12		12	6	6
		3.5438 - CONNECTIONS, AFTERCOOLER WATER OUTLET												
	5101023	CONNECTOR, 1" PIPE X 1 1/4" HOSE	1	1			1	1		1		1	1	1
5F	5101192	ELBOW (WITH TUBE)	1				1	1		1		1	1	1
5F	5104536	ELBOW (WITH TUBE)							2					

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9544	9555	9600	9622	9634	9644	9655	9666	9800	9886	10044	10055
		3.5438 - CONNECTIONS, AFTERCOOLER WATER OUTLET (CONT'D)												
5F	5145581	GASKET	1	1			1	1	2	1		1	1	1
	5104378	GASKET (WATER OUTLET)		1				1		1		1		
	8922774	GASKET (ELBOW WITH TUBE)		1				1		1		1		
	5104275	GASKET							1					
	5104277	TUBE ASSY. (R. BANK)							1					
	23500747	TUBE ASSY. (DEV. L. 15.71")		1				1		1		1		
	23500750	TUBE ASSY. (DEV. L. 19.54")		1				1		1		1		
	5120022	HOSE, 1 1/4"X27" L. (CUT L. 2.26") (4.8010)						1						
	5118149	HOSE, 1"X30" L. (CUT L. 2.50") (4.1642)		1				1		1		1		
	8922420	HOSE, 1 1/4"X2 3/4" L.	1	1			1		1	1		1	1	1
	5186840	CLAMP, 1" HOSE (12.9660)		2						2		2		
	5104958	CLAMP, 1 1/2" HOSE (12.9660)	2	2			2			2		2	2	2
	2337379	CLAMP, 1 1/2" HOSE (12.9660)						4	2					
	8924750	PLUG, 1" PIPE (12.9550)	1											
	8926978	DRAINCOCK, 1/8" (12.9510)		1						1		1		
	8920631	BOLT, 5/16"-18X1" (12.9001)	2	2			2	2	1			2	2	2
	186643	BOLT, 5/16"-18X2 1/16" (12.9001)							1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)								2		2		
	179839	BOLT, 3/8"-16X1" (12.9001)							2					
	179847	BOLT, 3/8"-16X2" (12.9001)								2		2		
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)						2						
	120393	WASHER, 5/16" (12.9190)						2	2					
5F	103320	LOCKWASHER, 5/16" (12.9200)						2	2					
	103321	LOCKWASHER, 3/8" (12.9200)						2	2	4		4		
		3.5445 - BRACKET, AFTERCOOLER WATER OUTLET TUBE												
	8927088	BRACKET (FOR WATER OUTLET TUBE)		1						1		1		
	8922777	BRACKET (FOR ELBOW W/TUBE)		1				1		1		1		
	5183247	CLIP, 1" (8.3801)		2						2		1		
	5157702	CLIP, 1" (4.8040)										1		
	5187661	CLIP, 1 1/4" (4.8183)						1						
	179837	BOLT, 3/8"-16X3/4" (12.9001)		3				4		1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)		2						2				
	8927579	BOLT, 3/8"-16X.88" (12.9001)										2		
	179847	BOLT, 3/8"-16X2" (12.9001)		2										
	103341	WASHER, 3/8" (12.9120)		2				1		2		2		
	103321	LOCKWASHER, 3/8" (12.9200)		7				4		3		3		
	102635	NUT, 3/8"-16 (12.9120)		2				1		2		2		
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY												
	5199575	HOSE, BULK #6X25 FT. (CUT L. 27") (R. BANK AND L. BANK REAR) (12.8552)						2						
	5199575	HOSE, BULK #6X25 FT. (CUT L. 34") (L. BANK FRONT) (12.8552)						1						
	8923538	HOSE ASSY., #6X35.60" L.				1								
	5199575	HOSE, BULK #6X25 FT. (CUT L. 38.5") (12.8550)		2								2		
	5107862	HOSE ASSY., #6X39.20" L. (R. BANK)											1	1
	5107863	HOSE ASSY., #6X42.20" L. (L. BANK)												1
	5199575	HOSE, BULK #6X25 FT. (CUT L. 44") (LEFT AND RIGHT BANK) (12.8550)									2			
	5199575	HOSE, BULK #6X25 FT. (CUT L. 49") (12.8550)			1		1							
	5199575	HOSE, BULK #6X25 FT. (CUT L. 54") (R. BANK FRONT) (12.8552)						1						
	5199575	HOSE, BULK #6X25 FT. (CUT L. 54") (LEFT AND RIGHT BANK) (12.8552)							2	2				

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9544	9555	9600	9622	9633	9644	9655	9666	9800	9886	10044	10055
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY (CONT'D)												
	5199575	HOSE, BULK #6X25 FT. (CUT L. 55") (12.8550)	1											
	8923967	HOSE ASSY., #6X56.55" L. (L. BANK)											1	
	5199579	FITTING, #6 HOSE (5/8"-18 INV. FL.) (12.8552)	1	2	1		1	4	2	2		2		
	8923964	FITTING, #6 HOSE (12.8552)							2	2				
	5149496	FITTING, #6 HOSE (12.8552)	1											
	5149497	FITTING, #6 HOSE (12.8552)		2								2		
	5199588	FITTING, #6 HOSE (12.8552)			1		1	4						
	8923847	PLUG, 1/4" PIPE (4.7001)						1						
	5126530	PLUG, ANCHOR (7.7010)						2						
	8924171	CONNECTOR, 3/8" INV. FL. TUBE; 1/4" PIPE (12.9460)		2	1	2	1	4	2	2	2	2	2	2
	8924176	TEE, 1/4"-18 PIPE (12.9490)		1				1						
	8924199	TEE, 1/4"X1/4"X5/8" (7.4694)						1						
	8925028	TEE, 3 WAY (12.9490)							1					
	8924172	ADAPTOR, 1/4"-18 PIPE (12.9460)	1							3	3			
	8925030	ELBOW, 3/8" INV. FL. TUBE - 90 DEG.; 1/4" PIPE (12.9480)	2	2				3	2	2	2	2	2	1
	8924168	ELBOW, 90 DEG. STREET, 1/4" PIPE (12.9590)			1		1							
	8925720	BUSHING, 1/2"X1/4" PIPE (12.9570)						2						
	8924166	BUSHING, 3/4"X1/4" PIPE (12.9570)						1						
	8924378	BUSHING, 3/4"X1/4" PIPE (12.9570)											1	
		3.5502 - CLIP, OIL SUPPLY TUBE												
	8923312	CLIP, 3/8" TUBE; 7/16" BOLT HOLE				1								
	5177623	CLIP, 3/8"	1	2								2		
	8923507	CLIP, #6 HOSE; .468" BOLT HOLE				1								
	2488022	CLIP, #6 HOSE; 3/8" BOLT HOLE (12.8554)	1		1		1	4	5	6			2	
	5147599	CLIP, #6 HOSE; 1/2" BOLT HOLE (2.5120)	2	4	1		1	2		2		4		
	3291251	CLIP, 5/8" (1.1060)							1					
	2362448	CLIP, .68" DIA. 3/8" BOLT (12.8554)											2	4
	8923210	BRACKET, 90 DEG. 7/16" SLOTTED; 3/8" BOLT HOLE				1								
	5143841	BRACKET							2	3				
	5166565	BRACKET, CLIP								1				
	5175606	BRACKET (4.1540)	1							1				
	5103319	BRACKET		2								2		
	5114541	BRACKET (7.1585)											1	
	5101020	STRAP, NYLON TIE (2.5255)				1								
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)											1	
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)				1								
	181595	BOLT, 5/16"-24X3/4" (12.9001)						2						
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1	2						6				
	8927579	BOLT, 3/8"-16X.88" (12.9001)										4		2
	179839	BOLT, 3/8"-16X1" (12.9001)							2				1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1								
	8927581	BOLT, 3/8"-16X1.13" (12.9001)											1	2
	8921932	BOLT, 3/8"-16X1.25" W/SEAL PATCH (12.9001)							2	2				
	181360	BOLT, 3/8"-24X3/4" (12.9001)											1	
	5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)							2					
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)											1	
	5160629	SPACER, .62" O.D.X.22" L. (4.2270)											1	1
	120393	WASHER, 5/16" (12.9190)						2						
	103341	WASHER, 3/8" (12.9190)			1	1	1		2					
	103342	WASHER, 7/16" (12.9190)		1			1							
	103320	LOCKWASHER, 5/16" (12.9200)						2						

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 954	955	960	962	963	964	965	966	980	986	1004	1005
		3.5502 - CLIP, OIL SUPPLY TUBE (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)	1	2		1			4	7		4	1	
	102635	NUT, 3/8"-16 (12.9120)	1	2		1			2	6		2		
	103026	NUT, 3/8"-24 (12.9120)											1	
		3.5503 - COVER, TURBOCHARGER OIL RETURN												
	5104946	COVER ASSY.		2	1		1					2	1	2
	5125256	COVER, OIL PAN									2			
	5104507	GASKET (1.5060)		2	1		1					2	1	2
	5168176	GASKET									2			
	5160629	SPACER, .62" O.D.X.22" L. (4.2270)			1		1							
	8927579	BOLT, 3/8"-16X.88" (12.9001)									4			
	9430221	BOLT, 3/8"-24X4 3/4" (1.2080)			1		1							
	103321	LOCKWASHER, 3/8" (12.9200)		2										
		3.5505 - TUBE, TURBOCHARGER OIL RETURN												
	5106190	TUBE ASSY. (DEV. L. 2.28")			1		1							
	5106340	TUBE ASSY. (DEV. L. 3.93")						4						
	5143074	TUBE ASSY. (DEV. L. 4.28") (RIGHT AND LEFT BANK)								2	2			
	8925698	TUBE ASSY. (DEV. L. 11.90")						4						
	8921138	TUBE ASSY. (DEV. L. 12.90")	1											
	5143604	TUBE ASSY. (DEV. L. 12.98") (R. BANK)							1					
	5106006	TUBE ASSY. (DEV. L. 13.07") (R. BANK)											1	1
	5106824	TUBE ASSY. (DEV. L. 13.63") (L. BANK)												1
	5106698	TUBE ASSY. (DEV. L. 13.44") (L. BANK)		1								1		
	5106691	TUBE ASSY. (DEV. L. 13.92")		1								1		
	5106004	TUBE ASSY. (DEV. L. 14.18") (L. BANK)											1	
	5102363	TUBE ASSY. (DEV. L. 32.56") (R. BANK)							1					
	5146231	TUBE (DEV. L. 33.50") (L. BANK, LOWER)							1					
	5170468	GASKET	1	2	1		1		2	2	2	2		
	5138977	GASKET						4					2	2
	5128120	HOSE, 3/4" I.D.X28" L. (CUT L. 2.26") (4.8001)	1											
	5169721	HOSE, 7/8" I.D.X24" L. (CUT L. 1.74") (4.8010)											2	2
	5169721	HOSE, 7/8" I.D.X24" L. (CUT L. 2.50") (4.8010)		2								2		
	5169721	HOSE, 7/8" I.D.X24" L. (CUT L. 3.50") (4.8010)							2					
	5145333	HOSE, 7/8" I.D.X27.50" L.						1						
	5144628	HOSE ASSY., #16X21.00" L.			1		1	3						
	5133328	HOSE ASSY., #16X32.00" L. (RIGHT AND LEFT BANK)									2			
	5143298	HOSE ASSY., #16X40.00" L. (L. BANK)								1				
	5143299	HOSE ASSY., #16X42.00" L. (R. BANK)								1				
	5186840	CLAMP, HOSE (13/16"-1 1/2" RANGE) (12.9660)	2	4	2		2	8	4			4	4	4
	5144702	CONNECTOR, 3/4" PIPE (5.2165)											1	
	8924207	CONNECTOR, 1" FL. TUBE (4.4330)								2	2			
	8925097	CONNECTOR ASSY., 7/8" TUBE; 3/4" PIPE (12.9415)							2					
	8924157	ELBOW, 45 DEG. STREET - 3/8" TUBE (12.9590)								2	2			
	141621	ELBOW, 3/4"-90 DEG. STREET (12.9590)							2					
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2		2		2		6			4	4	4
	8927579	BOLT, 3/8"-16X.88" (12.9001)												
	179839	BOLT, 3/8"-16X1" (12.9001)		4				8		4			4	
	103321	LOCKWASHER, 3/8" (12.9200)	2	4	2		2	8	6	4	4	4	2	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 954	955	960	962	963	964	965	966	980	986	1004	1005
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE												
	5177623	CLIP, 3/8" TUBE; 3/8" BOLT									2			
	5100364	CLIP, 5/8" TUBE; 3/8" BOLT (2.5070)									2			
	5165244	CLIP, 7/8" (4.8040)							2					
	5125912	BRACKET (4.1540)							2					
	5166565	BRACKET, CLIP									2			
	5113655	STUD, 5/16"-18-24X2.46" (7.4509)							2					
	8927579	BOLT, 3/8"-16X.88" (12.9001)									2			
	8921932	BOLT, 3/8"-16X1.25" (12.9001)									2			
	181360	BOLT, 3/8"-24X3/4" (12.9001)									2			
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)							2					
	103341	WASHER, 3/8" (12.9190)							4		4			
	103321	LOCKWASHER, 3/8" (12.9200)									4			
	274558	NUT, 5/16"-24 (12.7040)							2					
	102635	NUT, 3/8"-16 (12.9120)							2					
	103026	NUT, 3/8"-24 (12.9120)									2			
		3.5535 - INSULATION BLANKET, TURBOCHARGER												
	8923926	INSULATION BLANKET (TURBOCHARGER)											2	2
	8923929	INSULATION BLANKET (L. BANK MOUNT ADAPTOR)											1	1
	8923930	INSULATION BLANKET (R. BANK MOUNT ADAPTOR)											1	1

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1031	1041	1045	1056
		3.5001 - TURBOCHARGER				
	23501220	TURBOCHARGER ASSY. (12V) (TW-73)	2		2	
	23501802	* TURBOCHARGER ASSY. (8V) (TV71)		2		
	23502231	* TURBOCHARGER ASSY. (12V) (TW7502)				2
	5130488	STUD, 3/8"X1.88" L. (5.2020)	8	8	8	8
	5131433	WASHER, .41"X.81"X.14" (1.5001)	8	8	8	8
	9411981	NUT, 3/8"-24 LOCK (12.9120)	8	8	8	8
		* COMPONENT PARTS OF ASSY. ARE NOT CURRENTLY AVAILABLE FOR SERVICE.				
		3.5002 - BRACKET, TURBOCHARGER SUPPORT				
	8928851	BRACKET (R. BANK)	1		1	1
	8928852	BRACKET (L. BANK)	1		1	1
	23501794	BRACKET (R. BANK)		1		
	23501797	BRACKET (L. BANK)		1		
	5104507	GASKET		1		
	8927579	BOLT, 3/8"-16X7/8" (12.9001)		7		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2		
	179847	BOLT, 3/8"-16X2" (12.9001)	4		4	4
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)	1			
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)	3			
	5101678	BOLT, 3/8"-24X4 1/4" (12.9001)			4	4
	186317	BOLT, 3/8"-24X5" (12.9001)		4		
	8921935	BOLT, 7/16"-14X1 1/8" (12.9001)		1		
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)		4		
	5135765	SPACER, 13/32"X3/4"X29/32" (5.2190)	4			
	103321	LOCKWASHER, 3/8" (12.9200)	8	7	8	8
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET				
	23500512	TUBE ASSY. (R. BANK)	1		1	1
	23500513	TUBE ASSY. (L. BANK)	1		1	1
	23501795	TUBE (L. BANK. DEV. L. 15.15")		1		
	23501796	TUBE (R. BANK. DEV. L. 9.92")		1		
	5137619	CLAMP, 4.50" DIA. (6.2085)		2		
	5139991	PLUG, 1 1/2" CUP (1.1001)	4		4	4
	8924140	DRAINCOCK, 1/4" (12.9510)	2		2	2
	23501798	CONNECTOR ASSY. (L. BANK)		1		
	23501799	CONNECTOR ASSY. (R. BANK)		1		
	5111227	STUD, 7/16"X1 3/4" (6.2115)	12			
	8925804	STUD, 7/16"-14-20X2 3/32" (6.1020)			12	12
	456939	NUT, 7/16"-20 (12.9120)	12		12	12
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION				
	23501169	GASKET	2		2	2
5J	8923492	GASKET	2		2	2
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION				
	8925398	BRACKET, TEE SUPPORT	1			
	8927579	BOLT, 3/8"-16X7/8" (12.9001)	1			
	186317	BOLT, 3/8"-24X5" L. (12.9001)	2			

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1031	1041	1045	1056
		3.5398 - BRACKET, TURBOCHARGER AIR INLET				
	5143926	BRACKET			1	1
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			2	2
	5157412	SPACER, 7/8"X13/32"X1/4" (7.4013)			2	2
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET				
	5106282	ELBOW	2		2	2
	23501813	TEE		1		
	8927281	TUBE (R. BANK)	1		1	1
	23501710	TUBE (L. BANK)	1		1	1
	5100014	HOSE, 4.50" I.D.X3.00" L.		1		
	5131162	CLAMP, 3 1/2" I.D.	1		1	1
	23501260	CLAMP, 4 1/2" ADJ. T-BOLT	2			
	5114210	SUPPORT CLIP	1			
	5118956	SPACER, 13/32"X3/4"X1.12"	1			
	5175705	SPACER, 13/32"X7/8"X1"			4	4
	8927579	BOLT, 3/8"-16X7/8" (12.9001)	1		1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1
	8927581	BOLT, 3/8"-16X1.13" (12.9001)	1		1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	11		11	11
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)	1			
	103321	LOCKWASHER, 3/8" (12.9200)	13		13	13
	102635	NUT, 3/8"-16 (12.9120)	1		1	1
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW				
	5133245	GASKET (3.1261)	2		2	2
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION				
	5106905	HOSE, 3.50" I.D. X 3.25" L.	4	4	4	4
	5147912	CLAMP, 3 3/8" ADJ. T-BOLT, .75" W.		8	8	8
	8927979	CLAMP, 3 1/2" ADJ. T-BOLT, .75" W.	8			
		3.5436 - AFTERCOOLER, TURBOCHARGER				
	8924023	AFTERCOOLER ASSY. (DUAL PASS)	1		1	
	23501698	AFTERCOOLER ASSY. (DUAL PASS)	1		1	
	5101327	AFTERCOOLER ASSY.		1		
5F	8925149	AFTERCOOLER ASSY.				1
5F	8927362	AFTERCOOLER ASSY. (3 PASS)				1
5F	5101138	SEAL RING, .934"X.139"		4		
	8924102	SEAL RING, 2.050"X.103"	1		1	
5F	5101196	BOLT, 5/16"-18X9/16"	12	8	12	12
		3.5438 - CONNECTIONS, AFTERCOOLER WATER OUTLET				
	5144702	CONNECTOR, 3/4" PIPE X 7/8" HOSE (5.2165)	1		1	
	5101023	CONNECTOR, 1" PIPE X 1 1/4" HOSE		1		
5F	5101192	ELBOW (WITH TUBE)		1		
5F	5145581	GASKET		1		
	5104378	GASKET (WATER OUTLET)	1		1	1
	23500747	TUBE ASSY. (DEV. L. 15.71") (TO THERM. HSG.)	1		1	1
	23500750	TUBE ASSY. (DEV. L. 19.54")				1

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1031	1041	1045	1056
		3.5438 - CONNECTIONS, AFTERCOOLER WATER OUTLET (CONT'D)				
	5169721	HOSE, 7/8"X24"L. (CUT L. 2.50") (4.8010)	1		1	
	5128120	HOSE, 3/4"X28"L. (CUT L. 2.26") (4.8001)	1		1	1
	8922420	HOSE, 1 1/4"X2 3/4" L.		1		
	5186840	CLAMP, 1" HOSE (12.9660)	4		4	2
	5104958	CLAMP, 1 1/2" HOSE (12.9660)		2		
	8924152	BUSHING, 1"X3/4" RED. (12.9570)	1		1	
	8926978	DRAINCOCK, 1/8" (12.9510)	1		1	1
	138205	SCREW, 1/4"-20X1.75" (12.9027)			2	2
	138242	SCREW, 3/8"-16X1" (12.9027)			1	1
	138244	SCREW, 3/8"-16X1 1/2" (12.9027)			1	1
	9441576	BOLT, 1/4"-20X2 3/4" 12 PT HD. (12.9005)	1		1	
	121960	BOLT, 1/4"-20X2 1/4" (12.9001)	2			
	9441577	BOLT, 1/4"-20X3 1/4" 12 PT. HD. (12.9005)	1		1	
	9423000	BOLT, 5/16"-18X3/4" 12 PT. HD. (12.9005)	1		1	
	8920631	BOLT, 5/16"-18X1" (12.9001)		2		
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	1			
	179847	BOLT, 3/8"-16X2" (12.9001)	1			
	5181521	WASHER, 1/4" (2.9335)	2		2	
	103319	LOCKWASHER, 1/4" (12.9200)	2		2	2
5F	103320	LOCKWASHER, 5/16" (12.9200)	2			
		* OBSOLETE.				
		3.5439 - CONNECTIONS, AFTERCOOLER WATER INLET/OUTLET				
	23501704	* ELBOW ASSY. (FRT. AFTERCOOLER)	1			
	23501703	* ELBOW ASSY. (REAR AFTERCOOLER)	1			
	23502637	ELBOW ASSY. (FRT. AFTERCOOLER)			1	
	23502643	ELBOW ASSY. (REAR AFTERCOOLER)			1	
		3.5445 - BRACKET, AFTERCOOLER WATER OUTLET TUBE				
	8927088	BRACKET (FOR WATER OUTLET TUBE)	1			
	8922777	BRACKET (FOR ELBOW W/TUBE)	1			
	5183247	CLIP, 1" (8.3801)	1			
	5157702	CLIP, 1" (4.8040)	1			
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1			
	8927579	BOLT, 3/8"-16X.88" (12.9001)	2			
	103341	WASHER, 3/8" (12.9120)	2			
	103321	LOCKWASHER, 3/8" (12.9200)	3			
	102635	NUT, 3/8"-16 (12.9120)	1			
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY				
	5199575	HOSE, BULK #6X25 FT. (CUT L. 27") (R. BANK AND L. BANK REAR) (12.8552)		2		
	8923968	HOSE ASSY., #6X37.05" L. (L.&R. BANK)	2		2	2
	5199579	FITTING, #6 HOSE (5/8"-18 INV. FL.) (12.8552)		2		
	5199588	FITTING, #6 HOSE (12.8552)		2		
	8923847	PLUG, 1/4" SQ. SOC. PIPE (4.7001)	1		1	1
	8924171	CONNECTOR, 3/8" INV. FL. TUBE; 1/4" PIPE (12.9460)	2	2	2	2
	8924199	TEE, 1/4"X1/4"X5/8" (7.4694)	1		1	1
	8925030	ELBOW, 3/8" INV. FL. TUBE - 90 DEG.; 1/4" PIPE (12.9480)	1	2	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1031	1041	1045	1056
		3.5502 - CLIP, OIL SUPPLY TUBE				
	2488022	CLIP, #6 HOSE; 3/8" BOLT HOLE (12.8554)		2	2	
	2362448	CLIP, .68" DIA. 3/8" BOLT (12.8554)				2
	8927581	BOLT, 3/8"-16X1.13" (12.9001)		2		
		3.5505 - TUBE, TURBOCHARGER OIL RETURN				
	8924598	TUBE ASSY. (R. BANK)	1		1	1
	23501748	TUBE ASSY. (DEV. L. 13.69") (L. BANK)	1		1	1
	5143074	TUBE ASSY. (DEV. L. 4.28") (RIGHT AND LEFT BANK)		2		
	5170468	GASKET	2	2	2	2
	23501094	HOSE ASSY., #16X24.40" (L.&R. BANK)	2		2	2
	5138377	HOSE ASSY., #16X25"L. (L. BANK) (4.3001)		1		
	5177502	HOSE ASSY., #16X28.50" L. (R. BANK) (9.1730)		1		
	218703	TEE, 1" PIPE (9.9530)		1		
	9402713	CONNECTOR, 1" TUBE; 1" PIPE (12.9380)	3			
	8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)	1			
	2463035	ELBOW, 45 DEG. 3/4"X1" PIPE (4.4330)			2	2
	8925129	ELBOW, 90 DEG.; 1" PIPE (12.9590)		1		
	217986	ELBOW, 1"X3/4"-90 DEG. RED. PIPE (12.9600)		1		
	8927579	BOLT, 3/8:-16X.88" (12.9001)	4	4	4	4
	179839	BOLT, 3/8"-16X1" (12.9001)	4		4	4
	103321	LOCKWASHER, 3/8" (12.9200)		4		

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5001 - TURBOCHARGER														
#	**5132781**	TURBOCHARGER ASSY. (T-1865) (16V)	1													
#	**5132782**	TURBOCHARGER ASSY. (T-1865) (16V)		1												
#	**5134050**	@ TURBOCHARGER ASSY. (S/N 573) (12V) (T-1805) (5138879)			1											
#	**5135443**	@ TURBOCHARGER ASSY. (T-1865) (16V) (8925851)				1										
#	**5137379**	@ TURBOCHARGER ASSY. (S/N 778) (12V) (T-1805) (8925847)					1									
#	**5137380**	@ TURBOCHARGER ASSY. (S/N 788) (12V) (T-1805) (8925847)						1								
#	**5137381**	TURBOCHARGER ASSY. (S/N 698) (12V) (T-1805)							1							
#	**5138883**	@ TURBOCHARGER ASSY. (T-1865) (16V) (8925850)								1						
#	**5138884**	TURBOCHARGER ASSY. (T-1865) (16V)									1					
#	**5140756**	TURBOCHARGER ASSY. (T-1865) (8V)										1				
#	**5101508**	TURBOCHARGER ASSY. (TV8101) (8V)											1			
#	**5103294**	@ TURBOCHARGER ASSY. (T-18A94) (8V) (5104478)												1		
#	**5101509**	TURBOCHARGER ASSY. (TV7101) (8V)													1	
#	**5138879**	TURBOCHARGER ASSY. (T1805) (12V)														1
		@ NOT SERVICED. USE PART NUMBER SHOWN IN PARENTHESES.														
		# FIGS. 5A, B, C, D, E, G, H, J, K.														
		3.5003 - HOUSING, TURBOCHARGER TURBINE														
5A	**5198054**	HOUSING	1	1		1						1				
5A	**5198280**	HOUSING			1		1	1	1							1
	5149170	HOUSING											1			
	5149398	HOUSING												1		
	5149174	HOUSING													1	
	5199494	CLAMP												4		
	5149162	CLAMPING, INDEXING (VEE BAND) 5.60" DIA.													1	
	5197602	CLAMP														6
	585726	PLATE, LOCK												4		
	5198996	BOLT, 5/16"-18X 1/2"								1	1			8		
5A	**5198735**	* HOUSING														
5A	**5198055**	LOCKSTRIP (2 HOLES)	3	3	3	3	3	3	3	3	3	3				3
5A	**179816**	BOLT, 5/16"-18X3/4" (12.9001)	12	12	12	12	12	12	12	12	12	12				12
5A	**180120**	BOLT, 3/8"-16X3/4" (12.9001)	6	6	6	6	6	6	6	6	6	6				
5A	**179837**	BOLT, 3/8"-16X3/4" (12.9001)														6
5A	**103320**	LOCKWASHER, 5/16" (12.9200)	12	12	12	12	12	12	12	12	12	12				12
		* OBSOLETE, NO REPLACEMENT.														
		3.5018 - HOUSING ASSY., TURBOCHARGER INTERMEDIATE														
		INCLUDES ITEMS IN 3.5018, 3.5027, 3.5028 AND 3.5030. A HOUSING REPLACEMENT KIT INCLUDES 5198848 HOUSING ASS Y. IN 3.5018 AND 5198828 HOUSING IN 3.5022.														
5A,B	**5198046**	? HOUSING ASSY. (8925854)	1	1		1				1	1	1				
5A,B	**5198848**	* HOUSING ASSY.			1		1	1	1							1
5A,B	**5198277**	? # HOUSING ASSY. (5198617 KIT)			1		1	1	1							
	5149397	HOUSING ASSY.												1		

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5018 - HOUSING ASSY., TURBOCHARGER INTERMEDIATE (CONT'D)														
5A,B	**5198048**	HOUSING	1	1	1	1	1	1	1	1	1	1				1
5A,B	**5149171**	HOUSING ASSY.													1	
	5149169	HOUSING ASSY.											1			
	5149153	HOUSING (INCLUDES PINS)											1		1	
	5198053	PIN, THRUST WASHER TO HOUSING	1	1	1	1	1	1	1	1	1	1				
	5149403	HOUSING (INCLUDES PINS)												1		
	5198617	# KIT, HOUSING REPLACEMENT			1		1	1	1							
	5199852	BEARING, THRUST (INBOARD)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	443218	PIN, 3/32"X1/4" DOWEL	2	2	2	2	2	2	2	2	2	2				
	5199620	PIN, .102"-.100" DIA.											2	2	2	2
	5199491	PLATE, THRUST											1			
5A	**5198051**	PLATE, THRUST (OUTBOARD)	1	1	1	1	1	1	1	1	1					1
	5149399	PLATE, THRUST												1		
	5199491	PLATE, THRUST														2
	5199492	PLATE, WARNING											1			
	5149158	PLATE, BOLT LOCKING											4		4	
	5149157	BACK PLATE, ROTOR													1	
	5199607	BACK PLATE (INCLUDES OUTER THRUST WASHER)											1			
	5198936	RING, SEAL											1		1	
	5149167	SHROUD, WHEEL											1			
	5149173	SHROUD, WHEEL											1		1	
	5199055	SHROUD, WHEEL												1		
	9419006	BOLT, 1/4"-20X1" (12.9001)												4	4	
5A	**5197589**	RING, SEAL	1	1	1	1	1	1	1	1	1	1				1
5A	**173639**	SCREW, DRIVE (#0X1/4") (12.9067)	4	4	4	4	4	4	4	4	4	4	2	2	2	4
	5199493	SCREW, #4-40X.19"											3			3
5A	**5197588**	LOCKPLATE (ONE HOLE)	4	4	4	4	4	4	4	4	4	4				4
5A	**5197564**	BOLT, #10-24X7/8"	4	4	4	4	4	4	4	4	4	4				4
	5198988	SPACER (.665X.975X.18) (3.5027)											2		2	2
		* EFFECTIVE WITH TURBOCHARGER SERIAL NUMBER IN 3.5001.														
		# PRIOR TO TURBOCHARGER SERIAL NUMBER IN 3.5001.														
		? NOT SERVICED. USE PART NUMBER SHOWN IN PARENTHESES.														
		3.5022 - HOUSING, TURBOCHARGER COMPRESSOR														
	5199854	HOUSING												1		
	5149159	HOUSING													1	
5A	**5198827**	HOUSING	1	1		1				1	1	1				
	5199611	HOUSING											1			
5A	**5198828**	* HOUSING			1		1	1	1							1
	5198257	RING, SEAL												1		
	5149162	CLAMP (VEE BAND)											1			
	5149160	CLAMP (VEE BAND)											1		1	
	5199424	CLAMP (VEE BAND)												1		
	585713	LOCKNUT, 1/4"- 28 (3.5003)											1	1	1	
	5149163	LOCKNUT, 1/4"- 28 (3.5003)											1			
5A	**5197602**	LOCKSTRIP (3 HOLES)	6	6	6	6	6	6	6	6	6	6			1	
		* EFFECTIVE WITH TURBOCHARGER. SERIAL NUMBER IN 3.5001.														

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5027 - BEARING, ROTOR ASSY. SHAFT														
		A BEARING KIT INCLUDES (1) BEARING AND (1) SPACER WHICH ARE NOT SERVICED SEPARATELY.														
	5149404	WASHER, PLATE LOCK												4		
5A	**5149460**	BEARING KIT	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	5198988	SPACER											2			
5A	**5198049**	RING, SNAP	3	3	3	3	3	3	3	3	3	3	3		3	3
	186629	BOLT, 5/16"-18X 1" (12.9001)												4		
		3.5028 - SEAL, ROTOR ASSY. SHAFT OIL														
5A	**5197583**	RING, SEAL (PISTON RING TYPE)	2	2	2	2	2	2	2	2	2	2	2	2	2	4
	5149154	RING, SEAL (PISTON RING TYPE)											1		1	
	5149400	RING, SEAL (PISTON RING TYPE)												1		
		3.5030 - ROTOR ASSY., TURBOCHARGER														
		INCLUDES ITEMS IN 3.5033 THRU 3.5036. A ROTOR REPLACEMENT KIT INCLUDES 5198828 HOUSING IN 3.5022 AND 519882 9 ROTOR ASSY. IN 3.5030.														
5A	**5198047**	ROTATING ASSY.	1	1		1				1	1	1				
5A	**5198829**	* ROTATING ASSY.			1		1	1	1							
	5198278	+ # ROTATING ASSY. (5198618 KIT)			1		1	1	1							
	5198618	# KIT, ROTOR REPLACEMENT			1		1	1	1							
		* EFFECTIVE WITH SERIAL NUMBERS IN 3.5001.														
		+ NOT SERVICED. USE PART NUMBER SHOWN IN PARENTHESES.														
		# PRIOR TO TURBOCHARGER NUMBERS IN 3.5001.														
		3.5033 - SHAFT ASSY., TURBOCHARGER ROTOR														
		INCLUDES WHEEL.														
5A	**5197326**	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1				1
	5199608	SHAFT ASSY.(INCLUDES INTEGRAL WHEEL)											1			
	5149155	SHAFT ASSY. (INCLUDES INTEGRAL WHEEL)													1	
	5149401	SHAFT ASSY.(INCLUDES INTEGRAL WHEEL)												1		

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5034 - COLLAR, TURBOCHARGER ROTOR THRUST														
5A	**5197325**	COLLAR	1	1	1	1	1	1	1	1	1	1	1		1	1
	5149039	COLLAR												1		
		3.5035 - SPACER, TURBOCHARGER ROTOR THRUST														
5A	**5197328**	SPACER	1	1	1	1	1	1	1	1	1	1				1
	5199622	*SPACER (.5165 L.)*											1		1	
	5199853	SPACER												1		
		3.5036 - WHEEL, TURBOCHARGER COMPRESSOR														
5A	**5198527**	WHEEL, COMPRESSOR	1	1		1				1	1	1				
	5149166	WHEEL, COMPRESSOR											1			
	5149172	WHEEL, COMPRESSOR													1	
	5199855	WHEEL, COMPRESSOR												1		
5A	**5198526**	WHEEL, COMPRESSOR			1		1	1	1							1
5A	**5197324**	* # WHEEL, COMPRESSOR (5198619 KIT)					1	1	1							
5A	**5198579**	NUT, 3/8"-24 HEX. LOCK (12.9140)	1	1	1	1	1	1	1	1	1	1	1		1	1
	5149038	NUT, 7/16"-20 LOCK (12.9140)												1		

* NOT SERVICED. USE PART NUMBER SHOWN IN PARENTHESIS.
\# PRIOR TO TURBOCHARGER NUMBERS IN 3.5001.

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5001 - TURBOCHARGER														
	5133974	* TURBOCHARGER ASSY. (T-1805) (12V)	1													
	5130492	TURBOCHARGER ASSY. (R.B.) (T-3034) (12V)		1												
	5130493	TURBOCHARGER ASSY. (L.B.) (T-3034) (12V)			1											
5A	**5142193**	TURBOCHARGER ASSY. (T-18A40) (12V)				1										
	5103875	TURBOCHARGER ASSY. (T-18A40) (12V)												1		
5A	**5141676**	* TURBOCHARGER ASSY. (T-18A40) (8V)					1									
	5103840	TURBOCHARGER ASSY. (T-18A40) (8V)											1			
	5133958	* TURBOCHARGER ASSY. (T-1805) (12V)						1								
	5133959	* TURBOCHARGER ASSY. (T-1805) (12V)							1							
5A	**5143099**	TURBOCHARGER ASSY. (T-19A40) (12V)								1						
	5140028	* TURBOCHARGER ASSY. (TH0863) (12V)									1					
	5143110	TURBOCHARGER ASSY. (TH08A64) (8V)										1				
	5145028	TURBOCHARGER ASSY. (T-19A40) (8V)													1	
	5101513	TURBOCHARGER ASSY. (TV8101) (12V)														1
		* NOT SERVICED, SHOWN FOR COMPONENT REFERENCE ONLY.														
		3.5002 - BRACKET, TURBOCHARGER SUPPORT														
	5195774	BRACKET		1	1											
		3.5003 - HOUSING, TURBOCHARGER TURBINE														
5A	**5199057**	HOUSING								1						
5A	**5198280**	HOUSING	1					1	1							
5A	**5195780**	HOUSING		1	1											
	5147667	HOUSING													1	
5A	**5199428**	HOUSING				1								1		
5A	**5199425**	HOUSING					1						1			
5A	**5199311**	HOUSING									1					
5A	**5199293**	HOUSING										1				
	5149175	HOUSING														1
5A	**5197441**	HOUSING ASSY.		1												
5A	**5197444**	HOUSING ASSY.			1											
	5149162	CLAMP (VEE BAND)														1
5A	**5198055**	LOCKSTRIP (2 HOLES) (3.5018)	3					3	3							
	5196369	STUD, SELF TAP		2	2											
	5197363	STUD, 3/8"-16-24X1.51"		4	4											
	5197433	STUD, 3/8"-16-24X2.13"		2	2											
	5197385	PLATE, NUT LOCKING		4	4											
5A	**585726**	PLATE, LOCK				4	4			4			4	8	4	
	5198935	PLATE, LOCK									3	3				
	5198933	SPACER (LOCK PLATE)									3	3				
5A	**5199494**	SPACER (LOCK PLATE)				4	4			4			4	4	4	
5A	**5198996**	BOLT, 5/16"-18X1/2"				8	8			8			8	8	8	
	179835	BOLT, 3/8"-16X5/8" (12.9001)									6	6				
	180120	BOLT, 3/8"-16X3/4" (12.9001)	6					6	6							
	5149163	NUT, LOCK 1/4"-28														1
	103026	NUT, 3/8"-24 HEX. (12.9120)		8	8											

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5006 - RING, TURBOCHARGER NOZZLE														
	5197364	RING, NOZZLE (4.01 SQ. IN. AREA)		1	1											
	105451	*GASKET, 3/8" I.D. ANNULAR (12.9360)*		3	3											
	5196357	BOLT, NOZZLE RING		3	3											
	5196355	NUT, NOZZLE RING BOLT (SILVER PLATED)		3	3											
		3.5010 - SHIM SET, TURBOCHARGER														
	5195772	SHIM (.010")		AR	AR											
	5195773	SHIM (.040")		AR	AR											
		3.5018 - HOUSING ASSY., TURBOCHARGER INTERMEDIATE														
		INCLUDES ITEMS IN 3.5018, 3.5027, 3.5028 AND 3.5030. HOUSING ASSY. NOT AVAILABLE FOR T19A40 TURBOCHARGER IN COLUMN "H".														
5A	**5198848**	HOUSING ASSY.	1					1	1							
5A	**5197839**	HOUSING ASSY.		1	1											
5A	**5199020**	HOUSING ASSY.				1	1									
	5149299	HOUSING ASSY.											1	1		
5A	**5199292**	HOUSING ASSY.									1					
5A	**5199305**	HOUSING ASSY.										1				
	5149169	HOUSING ASSY.														1
5A	**5198048**	HOUSING	1					1	1							
5A	**5199024**	HOUSING AND PIN ASSY.				1	1			1			1	1	1	
5A	**5199447**	* HOUSING									1					
5A	**5199303**	HOUSING										1				
	5197366	HOUSING AND PIN ASSY.		1	1											
	5149153	HOUSING AND PIN ASSY.														1
5A	**5199852**	BEARING, THRUST (INBOARD)														1
	5198053	PIN, THRUST WASHER TO HOUSING	1					1	1							
5A	**5199620**	*PIN, 3/32" DIA. X1/4" L. GROOVE*		2	2	2	2	2	2	2	2	2	2	2	2	2
5A	**5198051**	PLATE, THRUST (OUTBOARD)	1					1	1							
5A	**8927405**	PLATE, THRUST		1	1											
5A	**5197378**	PLATE, BOLT LOCKING		3	3											
	5196358	PLATE, NAME		1	1											
	5199491	PLATE, THRUST								1					1	
	5199492	PLATE, WARNING								1					1	
	5149356	LOCKTAB									4					
	5197588	LOCKTAB	4					4	4							
5A	**5199502**	LOCKTAB				4	4			4			4	4	4	
	5199296	LOCKTAB										4				
	5149158	LOCKTAB														4
5A	**5199290**	BACKPLATE ASSY. (INCLUDES *OUTBOARD THRUST WASHER*)									1					
5A	**5199298**	BACKPLATE ASSY. (INCLUDES OUTBOARD THRUST WASHER)										1				
5A	**5197370**	BACKPLATE, ROTOR		1	1											

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5018 - HOUSING ASSY., TURBOCHARGER INTERMEDIATE (CONT'D)														
5A	**5199028**	BACKPLATE ASSY. (INCLUDES THRUST WASHER)				1	1			1			1	1	1	
	5199607	BACKPLATE ASSY. (INCLUDES OUTER THRUST WASHER)														1
5A	**5197589**	RING, SEAL (2.95" I.D.X.136" THK.)	1					1	1							
5A	**5197377**	RING, SEAL (3.61" I.D.X.139" THK.)		1	1											
5A	**5198257**	RING, SEAL (2.51" I.D.X.066" THK.) (3.5022)				1	1			1			1	1	1	
5A	**5198936**	RING, SEAL (2.26" I.D.X.066" THK.)									1					1
5A	**5199444**	RING, SEAL (2.81" I.D.X.066" THK.)										1				
5A	**173639**	SCREW, DRIVE (#0X1/4") (12.9067)	4	4	4	4	4	4	4	4	4	4	4	4	4	2
	5199493	SCREW, #4X.19" SELF TAPPING							3	3					3	
5A	**5199055**	SHROUD, WHEEL				1	1			1			1	1	1	
	5199302	SHROUD, WHEEL									1	1				
	5149167	SHROUD, WHEEL														1
	5197368	DIAPHRAGM ASSY.		1	1											
	5197369	SHIM, BACKPLATE (.010")		1	1											
	5197654	GASKET, DIAPHRAGM		1	1											
	454894	BOLT, 1/4"-20X3/4" (12.9001)		6	6											
	9419006	BOLT, 1/4"-20X1"														4
5A	**8920631**	BOLT, 5/16"-18X1" (12.9001)				4	4			4			4	4	4	
	5197564	BOLT, #10-24X7/8"	4					4	4							
5A	**5199309**	WASHER, THRUST (INBOARD)									1					
5A	**8927405**	WASHER, THRUST (LARGE AT PLATE)		1	1											
	5197373	WASHER, THRUST (SMALL AT HOUSING)		1	1											
	103321	LOCKWASHER, 3/8" (12.9200)		4	4											
	103026	NUT, 3/8"-24 HEX. (12.9120)		4	4											
		* OBSOLETE														
		3.5022 - HOUSING, TURBOCHARGER COMPRESSOR														
5A	**5198828**	HOUSING	1					1	1							
5A	**5197400**	HOUSING		1	1											
5A	**5199429**	HOUSING				1	1			1			1	1	1	
5A	**5199310**	HOUSING									1					
5A	**5199294**	HOUSING										1				
	5199611	HOUSING														1
5A	**5199424**	CLAMP (VEEBAND)				1	1			1			1	1	1	
5A	**5198937**	CLAMP (VEEBAND) (3.5020)									1					
5A	**5199288**	CLAMP (VEEBAND)										1				
	5149160	CLAMP (VEEBAND)														1
5A	**5197602**	LOCKSTRIP (3 HOLES) (3.5003)	6					6	6							
	5195769	STUD, 3/8"-16X3/8"-24X1/2"		4	4											
	179816	BOLT, 5/16"-18X3/4" (12.9001)	12					12	12							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		12	12											
	103320	LOCKWASHER, 5/16" (12.9200)	12					12	12							
	103321	LOCKWASHER, 3/8" (12.9200)		12	12											
	5149163	NUT, LOCK 1/4"-28					1						1	1		1
		3.5024 - DIFFUSER, TURBOCHARGER AIR														
	5197442	DIFFUSER ASSY.		1	1											
	5197383	SHIM, DIFFUSER (.005")		AR	AR											
	5197382	SHIM, DIFFUSER (.010)		AR	AR											

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5024 - DIFFUSER, TURBOCHARGER AIR (CONT'D)														
	5197384	SHIM, DIFFUSER (.020) SERVICED SEPARATELY.		AR	AR											
		3.5027 - BEARING, ROTOR ASSY. SHAFT														
		A BEARING KIT INCLUDES (2) BEARINGS AND (2) SPACERS.														
	5198988	SPACER		2	2					2				2	2	2
5A	**5197372**	BEARING		2	2											
	5149460	BEARING KIT	2			2	2	2	2	2	2	2	2	2	2	2
5A	**5198049**	RING, SNAP	3			3	3	3	3	3	3	3	3	3	3	3
5A	**9418652**	RING, SNAP		1	1											
		3.5028 - SEAL, ROTOR ASSY. SHAFT OIL														
5A	**5197583**	RING, SEAL (PISTON RING TYPE) (.66" I.D.X.067" THK.)	1			1	2	1	1	2	1	1	2	2	2	2
	5197374	RING, SEAL (PISTON RING TYPE) (1.07" I.D.X.094" THK.)		1	1											
	5199299	RING, SEAL (PISTON RING TYPE) (.77" I.D.X.063" THK.)									1	1				
	5149154	RING, SEAL (PISTON RING TYPE) (.78" I.D.X.063" THK.)														1
		3.5030 - ROTOR ASSY., TURBOCHARGER														
		INCLUDES ITEMS IN 3.5033 THRU 3.5036.														
	5197396	ROTATING ASSY.		1	1											
	5198829	ROTATING ASSY.	1													
	5197401	WASHER, IMPELLER RETAINING		1	1											
	5197402	NUT, IMPELLER RETAINING		1	1											
		3.5033 - SHAFT ASSY., TURBOCHARGER ROTOR														
		INCLUDES WHEEL.														
5A	**5197326**	SHAFT ASSY.	1					1	1							
5A	**5199021**	SHAFT ASSY.				1	1			1			1	1	1	
	5149298	SHAFT ASSY.									1					
5A	**5199297**	SHAFT ASSY.										1				
5A	**5199304**	SHAFT ASSY.														1
	5199608	SHAFT ASSY.														
		3.5034 - COLLAR, TURBOCHARGER ROTOR THRUST														
5A	**5197325**	COLLAR	1			1	1	1	1	1	1	1	1	1	1	1

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5035 - SPACER, TURBOCHARGER ROTOR THRUST														
5A	**5197328**	SPACER (.4865"L.)	1					1	1							
5A	**5199622**	SPACER (.5165"L.)				1	1			1	1	1	1	1	1	1
		3.5036 - WHEEL, TURBOCHARGER COMPRESSOR														
5A	**5198526**	WHEEL, COMPRESSOR	1					1	1							
5A	**5199023**	WHEEL, COMPRESSOR				1	1			1			1	1	1	
	5199300	WHEEL, COMPRESSOR									1					
	5199295	WHEEL, COMPRESSOR										1				
	5149166	WHEEL, COMPRESSOR														1
5A	**5198579**	NUT, 3/8"-24 HEX. LOCK	1			1	1	1	1	1	1	1	1	1	1	1

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5001 - TURBOCHARGER														
	5128000	TURBOCHARGER ASSY. (T-3030)	1													
	5162658	TURBOCHARGER ASSY. (T-3030)		1												
5A	**5141854**	* *TURBOCHARGER ASSY. (T-18A40)*			1											
5A	**5146244**	TURBOCHARGER ASSY. (T-18A31)				1										
5A	**5103838**	TURBOCHARGER ASSY. (T-18A40)							1							
5A	**5144566**	TURBOCHARGER ASSY. (T-18A40)					1									
	5102349	TURBOCHARGER ASSY. (4MF-782)								1						
	5102353	TURBOCHARGER ASSY. (TV8102)									1					
	5101613	TURBOCHARGER ASSY. (4MF-782)						1								
	5103760	TURBOCHARGER ASSY. (TV7101)										1				
	5102117	TURBOCHARGER ASSY. (TV8101)											1			
	5103905	*TURBOCHARGER ASSY. (TO4B98)*												1		
	5104478	TURBOCHARGER ASSY. (T-18A90)													1	
	8927162	TURBOCHARGER ASSY. (TV7503)														1
		* NOT SERVICED. SHOWN FOR COMPONENT REFERENCE ONLY.														
		3.5003 - HOUSING, TURBOCHARGER TURBINE														
5A	**5197362**	HOUSING	1	1												
5A	**5199484**	HOUSING			1				1							
5A	**5199810**	HOUSING				1										
5A	**5147594**	HOUSING					1									
5A	**5149181**	HOUSING						1								
5A	**5199619**	HOUSING									1					
5A	**5199615**	HOUSING								1						
5A	**5106002**	HOUSING										1				
5A	**5199613**	HOUSING											1			
5A	**5149552**	HOUSING												1		
5A	**5149398**	HOUSING													1	
	23501284	HOUSING														1
	5196369	STUD (SELF TAPPING)	2	2												
	5197363	STUD, 3/8"-16-24X1.51"	6	6												
	5195774	BRACKET, LIFTING (3.5002)	1	1												
	5197385	PLATE, NUT LOCKING	4	4												
5A	**585726**	PLATE, LOCK			4	4	4		4						4	
5A	**5149553**	PLATE, LOCK												3		
5A	**5199494**	CLAMP			4	4	4		4						4	
5A	**5149554**	CLAMP												3		
	5149162	CLAMP, VEE BAND														1
	5115214	PLUG, 1/2" HEX. (12.9550)	1	1												
5A	**5198996**	BOLT, 5/16"-18X1/2"			8	8	8		8						8	
5A	**5149555**	BOLT, 5/16"-18X3/4"												6		
	5149163	NUT, LOCK 1/4"-28														1
	103026	NUT, 3/8"-24 HEX. (12.9120)	8	8												
		3.5006 - RING, TURBOCHARGER NOZZLE														
	5197364	RING, NOZZLE (4.01 SQ. IN. AREA)	1	1												
	105451	GASKET, *3/8"I.D. ANNULAR (12.9360)*	3	3												
	5196357	BOLT, NOZZLE RING	3	3												
	5196355	NUT, NOZZLE RING BOLT(SILVER PLATED)	3	3												
		3.5010 - SHIM SET, TURBOCHARGER														
	5195772	SHIM (.010")	AR	AR												
	5195773	*SHIM (.040)*	AR	AR												

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5018 - HOUSING ASSY., TURBOCHARGER INTERMEDIATE														
		INCLUDES ITEMS IN 3.5018, 3.5027, 3.5028 AND 3.5030.														
	5130002	HOUSING ASSY., COMPLETE	1	1												

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5018 - HOUSING ASSY., TURBOCHARGER INTERMEDIATE (CONT'D)														
	5149209	HOUSING ASSY., COMPLETE						1								
	5149171	HOUSING ASSY. COMPLETE										1				
	5199020	HOUSING ASSY., COMPLETE				1	1									
	5149299	HOUSING ASSY., COMPLETE			1				1							
	5149169	HOUSING ASSY., COMPLETE											1			
	5149350	HOUSING ASSY., COMPLETE									1					
	5149209	HOUSING ASSY., COMPLETE						1		1						
	5149535	HOUSING ASSY., COMPLETE												1		
	5199868	HOUSING ASSY., COMPLETE													1	
	23501287	HOUSING ASSY., COMPLETE														1
	5197366	HOUSING AND PIN ASSY.	1	1												
	5199024	HOUSING AND PIN ASSY.			1	1	1		1						1	
	5149153	HOUSING AND PIN ASSY.									1	1	1			
	5149178	HOUSING AND PIN ASSY.						1		1						
	5149536	HOUSING AND PIN ASSY.												1		
	8925742	HOUSING														1
	5199620	PIN, 3/32" DIA.X1/4"L. GROOVE (12.9275)	2	2	2	2	2		2		2	2	2	2	2	
	5197368	DIAPHRAGM ASSY.	1	1												
	5197370	BACKPLATE, ROTOR	1	1												
5A	**5199028**	BACKPLATE, ROTOR			1	1	1		1						1	
	5149197	BACKPLATE						1		1						
	5149542	BACKPLATE												1		
	23501518	BACKPLATE														1
	5197369	SHIM, BACKPLATE (.010")	AR	AR												
	8927405	PLATE, THRUST	1	1												
	5149158	PLATE, BOLT LOCKING										1	1			
	5197378	PLATE, BOLT LOCKING	3	3												
	5199502	PLATE, BOLT LOCKING			4	4	4		4		4					
	5149356	PLATE, BOLT LOCKING												2		
	5149532	PLATE, BOLT LOCKING													4	
	5199607	BACKPLATE ASSY. (INCLUDES OUTER THRUST WASHER)									1		1			
	5149157	BACKPLATE ASSY. (INCLUDES OUTER THRUST WASHER)										1				
	5149198	PLATE, NAME						1		1						
5A	**5149545**	RING, RETAINER												4		
	5197377	RING, SEAL (3.61" I.D.X.139" THK.)	1	1												
5A	**5198257**	RING, SEAL (2.51" I.D.X.066" THK.) (3.5022)			1	1	1		1						1	
	5198936	RING, SEAL (2.26" I.D.X.066" THK.)									1	1	1	1		1
	5149538	RING, SEAL (.47" I.D.X.062" THK.) (3.5036)												1		
5F	**5149189**	RING, "O" (2.55" I.D.X.103" THK.)						1		1						
	5149200	BEARING, THRUST						1		1						
	8925748	BEARING, THRUST (OUTBOARD)														1
5A	**5199852**	BEARING, THRUST (INBOARD)			1	1	1		1		1	1	1		1	
5A	**5149540**	BEARING												2		
5A	**5149543**	BEARING												1		
5A	**5199055**	SHROUD, WHEEL			1	1	1		1						1	
5A	**5149167**	SHROUD, WHEEL									1		1			
5A	**5149173**	SHROUD, WHEEL										1				1
5A	**5149546**	SHROUD, WHEEL												1		
	5197654	GASKET, DIAPHRAGM TO HOUSING	1	1												
5F	**5149192**	CLAMP, VEE						1		1						
	173639	SCREW, #0X1/4" DRIVE (12.9067)	4	4	4	4	4		2		2		2		2	2
	5149199	SCREW, SELF TAPPING						2		2						
	23501548	SCREW														3
	186676	BOLT, 1/4"-20X5/8" (12.9001)												4		
	454894	BOLT, 1/4"-20X3/4" (12.9001)	6	6												
	8925750	BOLT, 1/4"-20X1" (12.9001)														4
	9419006	BOLT, 1/4"-20X1" (12.9001)									4	4	4			
5A	**8920631**	BOLT, 5/16"-18X1" (12.9001)			4	4	4		4						4	

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5018 - HOUSING ASSY., TURBOCHARGER INTERMEDIATE (CONT'D)														
	8927405	WASHER, THRUST (LARGE, AT PLATE)	1	1												
	5197373	WASHER, THRUST (SMALL, AT HOUSING)	1	1												
	103321	LOCKWASHER, 3/8" (12.9200)	4	4												
	103026	NUT, 3/8"-24 HEX. (12.9120)	4	4												
5F	**5149196**	NUT, 1/4"-28						1								
		3.5022 - HOUSING, TURBOCHARGER COMPRESSOR														
5A	**5197386**	HOUSING	1	1												
5A	**5149159**	HOUSING									1	1				
5A	**5199429**	HOUSING			1	1	1		1							
5A	**5199611**	HOUSING											1			
5A	**5149549**	HOUSING												1		
5A	**5199854**	HOUSING													1	
	23501515	HOUSING														1
5A	**5199424**	COUPLING (VEEBAND)			1	1	1		1						1	
5F	**5149177**	COVER						1		1						
5F	**5149191**	CLAMP, VEE						1		1						
5A	**5149162**	CLAMP, VEE									1	1	1			
5A	**5149160**	CLAMP, VEE									1	1	1			
5A	**5149551**	CLAMP												3		
	23501538	CLAMP, VEE BAND														1
5A	**5149550**	PLATE, LOCK												3		
	179812	BOLT, 5/16"-18X1/2" (12.9001)												6		

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5022 - HOUSING, TURBOCHARGER COMPRESSOR (CONT'D)														
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	12	12												
	103321	LOCKWASHER, 3/8" (12.9200)	12	12												
	5149163	LOCKNUT, 1/4"-28							1		2	2	2			
5F	**5149196**	NUT, 1/4"-28								2						
	23501519	NUT, LOCK 1/4"-28														1
		3.5024 - DIFFUSER, TURBOCHARGER AIR														
	5197380	DIFFUSER ASSY.	1	1												
	5197383	SHIM, DIFFUSER (.005")	AR	AR												
	5197382	SHIM, DIFFUSER (.010")	AR	AR												
	5197384	SHIM, DIFFUSER (.020")	AR	AR												
		3.5027 - BEARING, ROTOR ASSY. SHAFT														
		A BEARING KIT INCLUDES (2) BEARINGS AND (2) SPACERS.														
	5197372	BEARING	2	2												
5F	**5149186**	BEARING						2		2						
	8925744	BEARING														2
	5149460	BEARING KIT			2	2	2		2		2	2	2		2	
	5198988	SPACER													2	2
	9418652	SNAP RING (TRUARC #5008-106)	1	1												
5A	**5198049**	SNAP RING			3	3	3		3		3	3	3		3	3
5F	**5149187**	SNAP RING						4		4						
	5149184	RING, THRUST						2		2						
		3.5028 - SEAL, ROTOR ASSY. SHAFT OIL														
	5197374	RING, SEAL (PISTON RING TYPE)	1	1												
5A	**5197583**	RING, SEAL (PISTON RING TYPE)			1	1	1		1		2	2	2		2	2
	5149154	RING, SEAL (PISTON RING TYPE)									1	1	1			1
	5149188	RING, SEAL (PISTON RING TYPE)						1		2						
	5149537	RING, SEAL (PISTON RING TYPE)												1		
		3.5029 - DEFLECTOR, ROTOR ASSY. SHAFT OIL														
	5149190	DEFLECTOR, OIL						1		1						
		3.5030 - ROTOR ASSY., TURBOCHARGER														
	5197371	ROTATING ASSY.	1	1												
	5199380	* COLLAR, ROTOR THRUST	1	1												
	5197401	WASHER, IMPELLER RETAINING	1	1												
	5197402	NUT, IMPELLER RETAINING	1	1												

* REQUIRES 5197374 SEAL RING.

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5033 - SHAFT ASSY., TURBOCHARGER ROTOR														
		INCLUDES WHEEL.														
5A	**5199021**	SHAFT ASSY.				1	1									
5A	**5149298**	SHAFT ASSY.			1				1							
5A	**5149155**	SHAFT ASSY.										1				
5A	**5149176**	SHAFT ASSY.						1		1						
5A	**5199608**	SHAFT ASSY.									1		1			
5A	**5149539**	SHAFT ASSY.												1		
5A	**5199856**	SHAFT ASSY.													1	
	23501522	SHAFT ASSY.														1
		3.5034 - COLLAR, TURBOCHARGER ROTOR THRUST														
5A	**5197325**	COLLAR			1	1	1		1		1	1	1			
5A	**5149547**	COLLAR												1		
5A	**5149039**	COLLAR													1	
	8925751	COLLAR														1
	5149193	RING, SNAP BEVELED						1		1						
	5149194	INSERT						1		1						
		3.5035 - SPACER, TURBOCHARGER ROTOR THRUST														
5A	**5199622**	SPACER (.5165"L.)			1	1	1		1		1	1	1			
	5149185	SPACER, SLEEVE						1		1						
	5199853	SPACER													1	
	8925749	SPACER														1
	5149183	FLINGER, SLEEVE						1		1						
		3.5036 - WHEEL, TURBOCHARGER COMPRESSOR														
	5149166	WHEEL, COMPRESSOR											1			
5A	**5199381**	WHEEL, COMPRESSOR	1	1												
	5149172	WHEEL, COMPRESSOR										1				
5A	**5199023**	WHEEL, COMPRESSOR			1	1	1		1							
	5149182	WHEEL, COMPRESSOR						1		1						
	5199605	WHEEL, COMPRESSOR									1					
	5149541	WHEEL, COMPRESSOR												1		
	5199855	WHEEL, COMPRESSOR													1	
	23501523	WHEEL, COMPRESSOR														1
	5149548	NUT, 1/4"-28												1		
	23501292	NUT, 5/16"-24 LOCK														1
5A	**5198579**	NUT, 3/8"-24 HEX. LOCK			1	1	1		1		1	1	1			
	5149195	NUT, 7/16"-20						1		1						
	5149038	NUT, 7/16"-20													1	

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E
		3.5001 - TURBOCHARGER					
5A	**8927200**	TURBOCHARGER ASSY. (TV7502)	1				
5A	**8927199**	TURBOCHARGER ASSY. (TV8503)		1			
5A	**8927198**	TURBOCHARGER ASSY. (TV8501)			1		
5A	**5106250**	TURBOCHARGER ASSY. (TO4B98)				1	
5A	**23501220**	TURBOCHARGER ASSY. (TW-73)					1
		3.5003 - HOUSING, TURBOCHARGER TURBINE					
5A	**5149552**	HOUSING				1	
5A	**23501529**	HOUSING	1				
5A	**8925760**	HOUSING		1	1		
5A	**23501606**	HOUSING					1
5A	**5149553**	PLATE, LOCK				3	
5A	**5149554**	CLAMP				3	
5A	**5149162**	CLAMP, VEE BAND	1	1	1		1
5A	**5149555**	BOLT, 5/16"-18X3/4"				6	
5A	**5149163**	NUT, LOCK 1/4"-28	1	1	1		1
		3.5018 - HOUSING ASSY., TURBOCHARGER INTERMEDIATE					
	23501287	HOUSING ASSY., COMPLETE	1				
	23501286	HOUSING ASSY., COMPLETE		1			
	23501289	HOUSING ASSY., COMPLETE			1		
	8920899	HOUSING ASSY., COMPLETE				1	
	8925741	HOUSING ASSY., COMPLETE					1
5A	**8925742**	HOUSING	1	1	1		1
5A	**5149536**	HOUSING AND PIN ASSY.				1	
	5199620	PIN, 3/32" DIA. X 1/4"L. GROOVE (12.9275)				2	
5A	**23501518**	BACKPLATE	1				
5A	**8925746**	BACKPLATE		1			1
5A	**23501517**	BACKPLATE			1		
5A	**5149542**	BACKPLATE				1	
	5149356	PLATE, BOLT LOCKING				2	
5A	**5149545**	RING, RETAINER				4	
	5198936	RING, SEAL (2.26" I.D.X.066" THK.)	1	1	1	1	1
	5149538	RING, SEAL (.47" I.D.X.062" THK.) (3.5036)				1	
	8925748	BEARING, THRUST (OUTBOARD)	1	1	1		1
5A	**5149540**	BEARING				2	
5A	**5149543**	BEARING				1	
5A	**5149173**	SHROUD, WHEEL	1	1	1		1
5A	**5149546**	SHROUD, WHEEL				1	
	173639	SCREW, #0X1/4" DRIVE (12.9067)	2	2	2		2
	23501548	SCREW	3	3	3		
	8925747	SCREW					3
	186676	BOLT, 1/4"-20X5/8" (12.9001)				4	
	8925750	BOLT, 1/4"-20X1" (12.9001)	4	4	4	4	
		3.5022 - HOUSING, TURBOCHARGER COMPRESSOR					
5A	**23501527**	HOUSING	1				
5A	**23501528**	HOUSING		1			
5A	**23501531**	HOUSING			1		
5A	**8921186**	HOUSING				1	
5A	**8925753**	HOUSING					1
5A	**23501538**	CLAMP, VEE BAND	1				
5A	**23502241**	CLAMP, VEE BAND		1			
5A	**23501537**	CLAMP, VEE BAND			1		

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E
		3.5022 - HOUSING, TURBOCHARGER COMPRESSOR (CONT'D)					
5A	**8920963**	CLAMP, VEE BAND					1
5A	**5149551**	CLAMP				3	
5A	**5149550**	PLATE, LOCK				3	
5A	**179812**	BOLT, 5/16"-18X1/2" (12.9001)				6	
5A	**23501519**	NUT, LOCK 1/4"-28	1	1	1		
		3.5027 - BEARING, ROTOR ASSY. SHAFT					
5A	**8925744**	BEARING	2	2	2		2
5A	**5198988**	SPACER	2	2	2		2
5A	**5198049**	SNAP RING	3	3	3		3
		3.5028 - SEAL, ROTOR ASSY. SHAFT OIL					
5A	**5197583**	RING, SEAL (PISTON RING TYPE) (.66" I.D.X.067" THK.)	2	2	2		2
	5149154	RING, SEAL (PISTON RING TYPE) (.78" I.D.X.062" THK.)	1	1	1		1
5A	**5149537**	RING, SEAL (PISTON RING TYPE) (.68" I.D.X.062" THK.)				1	
		3.5033 - SHAFT ASSY., TURBOCHARGER ROTOR					
		INCLUDES WHEEL.					
5A	**23501522**	SHAFT ASSY.	1				
5A	**8925743**	SHAFT ASSY.		1	1		1
5A	**5149539**	SHAFT ASSY.				1	
		3.5034 - COLLAR, TURBOCHARGER ROTOR THRUST					
5A	**8925751**	COLLAR	1	1	1		1
5A	**5149547**	COLLAR				1	
		3.5035 - SPACER, TURBOCHARGER ROTOR THRUST					
	8925749	SPACER	1	1	1		1
		3.5036 - WHEEL, TURBOCHARGER COMPRESSOR					
5A	**23501523**	WHEEL, COMPRESSOR	1				
5A	**23501285**	WHEEL, COMPRESSOR		1			
5A	**23501585**	WHEEL, COMPRESSOR			1		
5A	**8920901**	WHEEL, COMPRESSOR				1	
5A	**8925745**	WHEEL, COMPRESSOR					1
5A	**5149548**	NUT, 1/4"-28				1	
5A	**23501292**	NUT, 5/16"-24 LOCK	1				
5A	**8925752**	NUT, 3/8"-24 LOCK		1	1		1

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E
		3.5425 - INTERCOOLER, TURBOCHARGER					
	5148934	INTERCOOLER ASSY.	1				
		3.5432 - HOUSING, INTERCOOLER					
	5199930	HOUSING	1				
	5199936	COVER, HOUSING	1				
	5147320	PLATE, CAUTION	1				
	173639	SCREW, #0X1/4" DRIVE	8				
	5199937	GASKET, COVER	1				
		3.5433 - CORE, INTERCOOLER					
	5199931	CORE	1				
	5147933	PAD, CORE (FELT) (1"W.X4 29/64" L.)	4				
	5199932	PAD, CORE (FELT) (1.05 W. X43.05L.)	1				
	5199933	PAD, CORE (FELT) (1.95 W. X 3.70L.)	4				
		3.5434 - CONNECTION, INTERCOOLER WATER					
	5199934	CONNECTOR, 1 5/8"-12 (FLANGED)	2				
	5147255	TUBE, 1.400" L. (GROOVED O.D.)	2				
	5147272	GASKET (CONNECTOR AND DRAIN)	1				
	5147256	GASKET (CONNECTOR)	1				
	5147224	SEAL RING (.143"X1.177")	1				
	186678	BOLT, 3/8"-16X1" (12.9001)	6				
	120382	LOCKWASHER, 3/8" (12.9200)	6				
		3.5435 - DRAIN COCK, INTERCOOLER					
	5199935	ADAPTOR, 1/8" DRAINCOCK	1				
	114981	DRAINCOCK, 1/8" (12.9510)	1				
	5147260	TUBE, 1 13/64" L. (GROOVED O.D.)	1				
	5126624	SEAL RING (.103"X.362" I.D.) (1.2020)	2				
	180078	BOLT, 5/16"-18X7/8" (12.9001)	2				
	120214	LOCKWASHER, 5/16" (12.9200)					
		INSULATION, BLANKET	2				

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Bloer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- **4.1000A Oil Pump**
- **4.1000B Oil Distribution System**
- **4.1000C Oil Pressure Regulator**
- **4.2000A Oil Filter**
- **4.3000A Oil Filter Lines**
- **4.4000A Oil Cooler and Marine Gear Lines**
- **4.5000A Oil Filler**
- **4.6000A Dipstick**
- **4.7000A Oil Pan**
- **4.8000A Ventilating System**

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission – Highway
- 9.7000 Transmission – Off-highway
- 9.9000 Transmission – Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

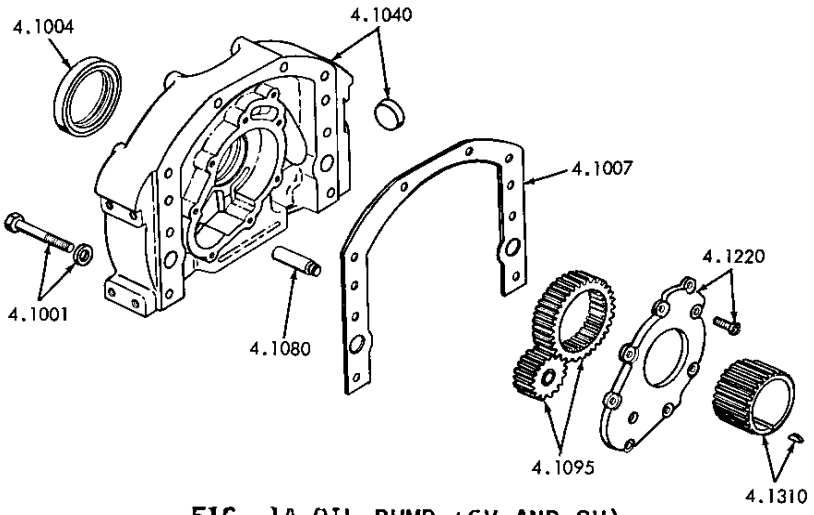

FIG. 1A OIL PUMP (6V AND 8V)

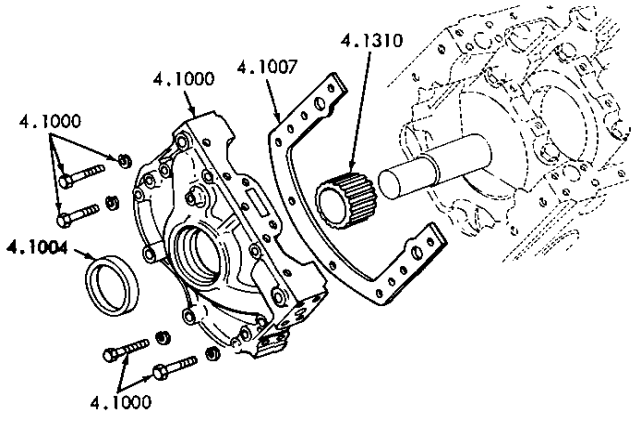

FIG. 1B OIL PUMP AND COVER (6V AND 8V)

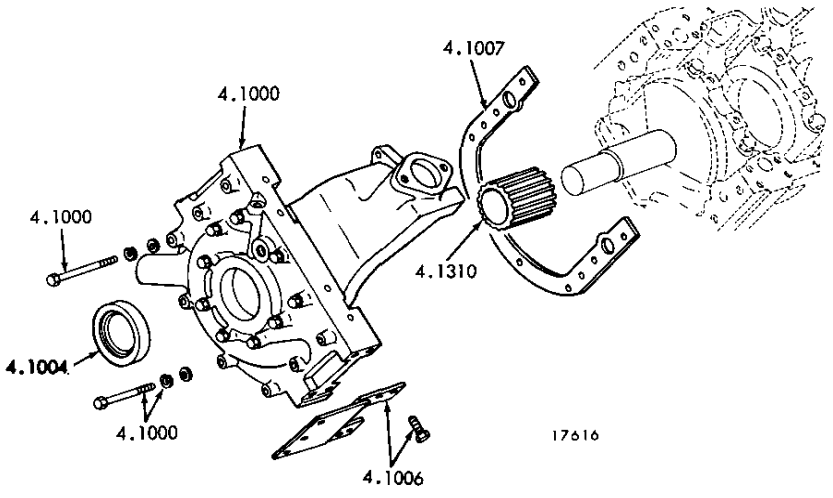

FIG. 1C OIL PUMP AND COVER (12V)

FIGS. 1A, 1B & 1C of 4.0000

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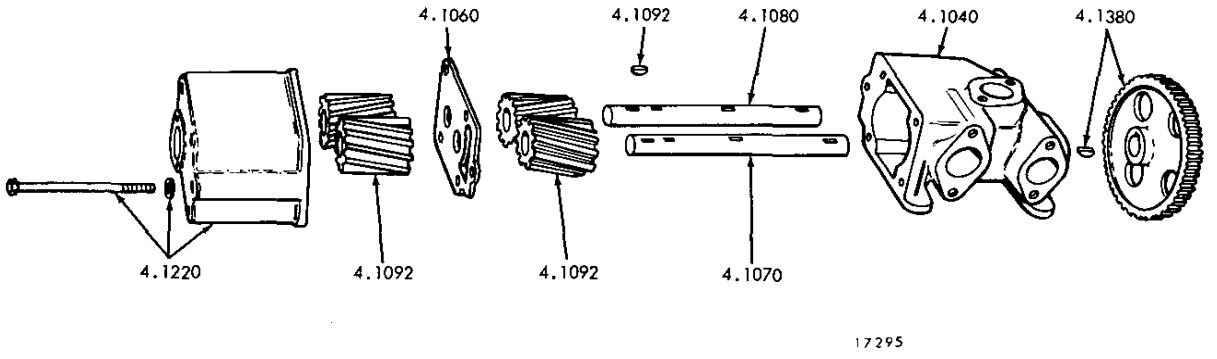

FIG. 1D OIL PUMP (Scavenging)

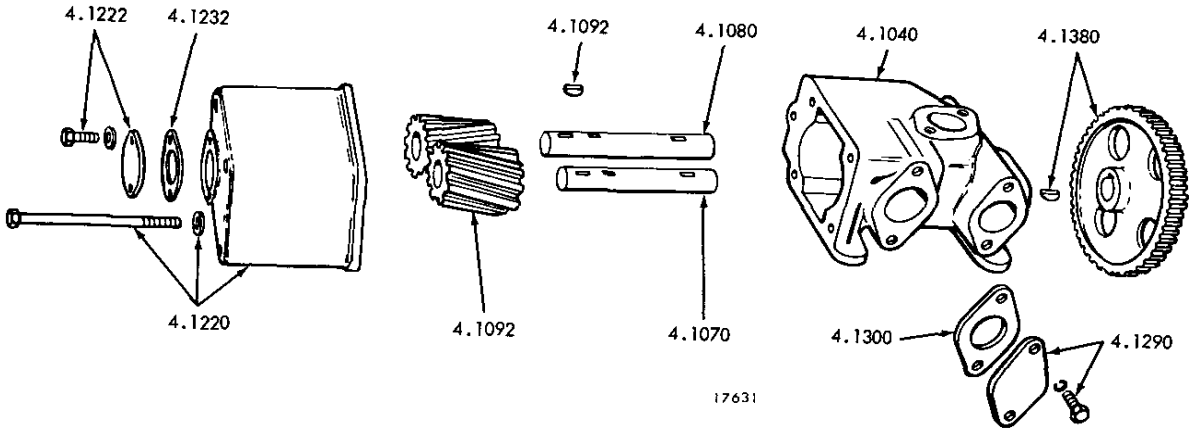

FIG. 1E OIL PUMP (12V and 16V)

FIG. 1D & 1E of 4.0000

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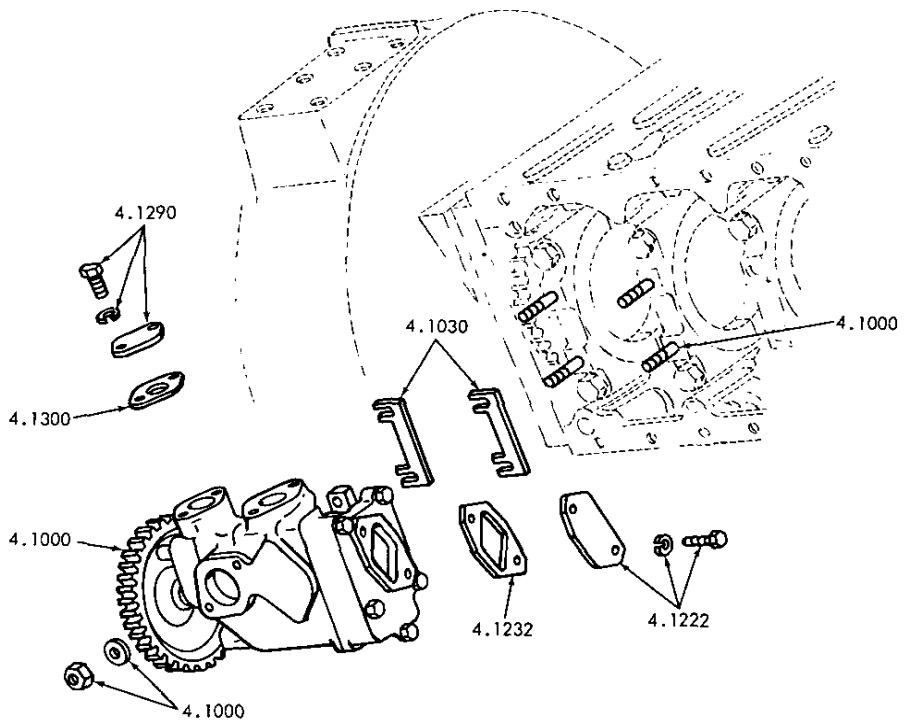

FIG. 1F OIL PUMP (Rear Mounted)

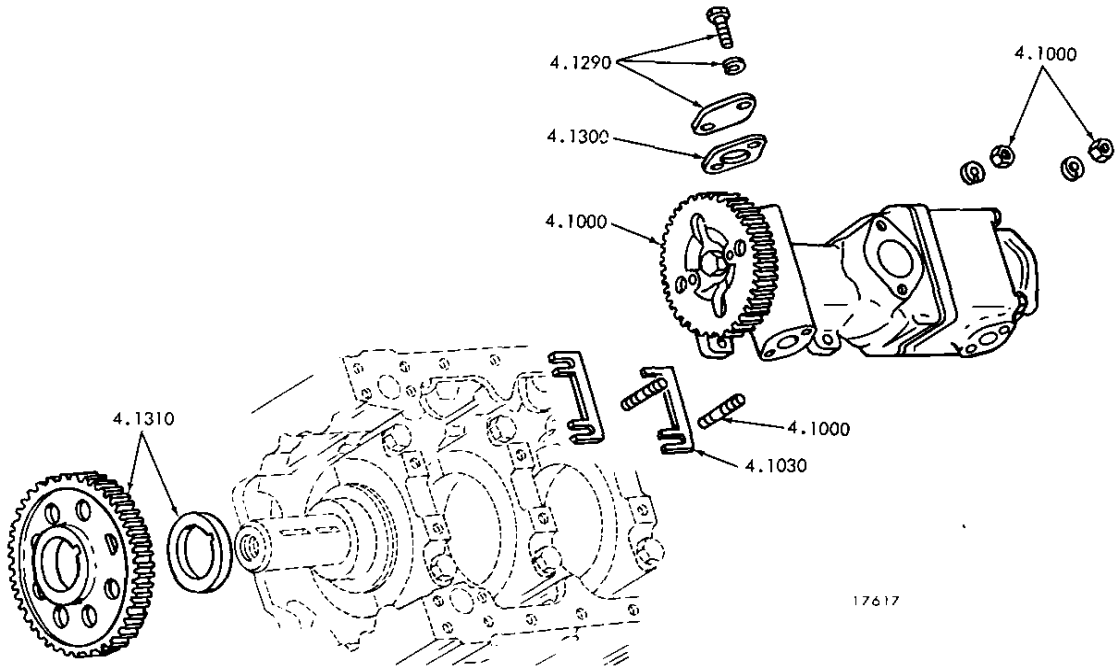

FIG. 1G OIL PUMP (Front Mounted)

FIGS. 1F & 1G of 4.0000

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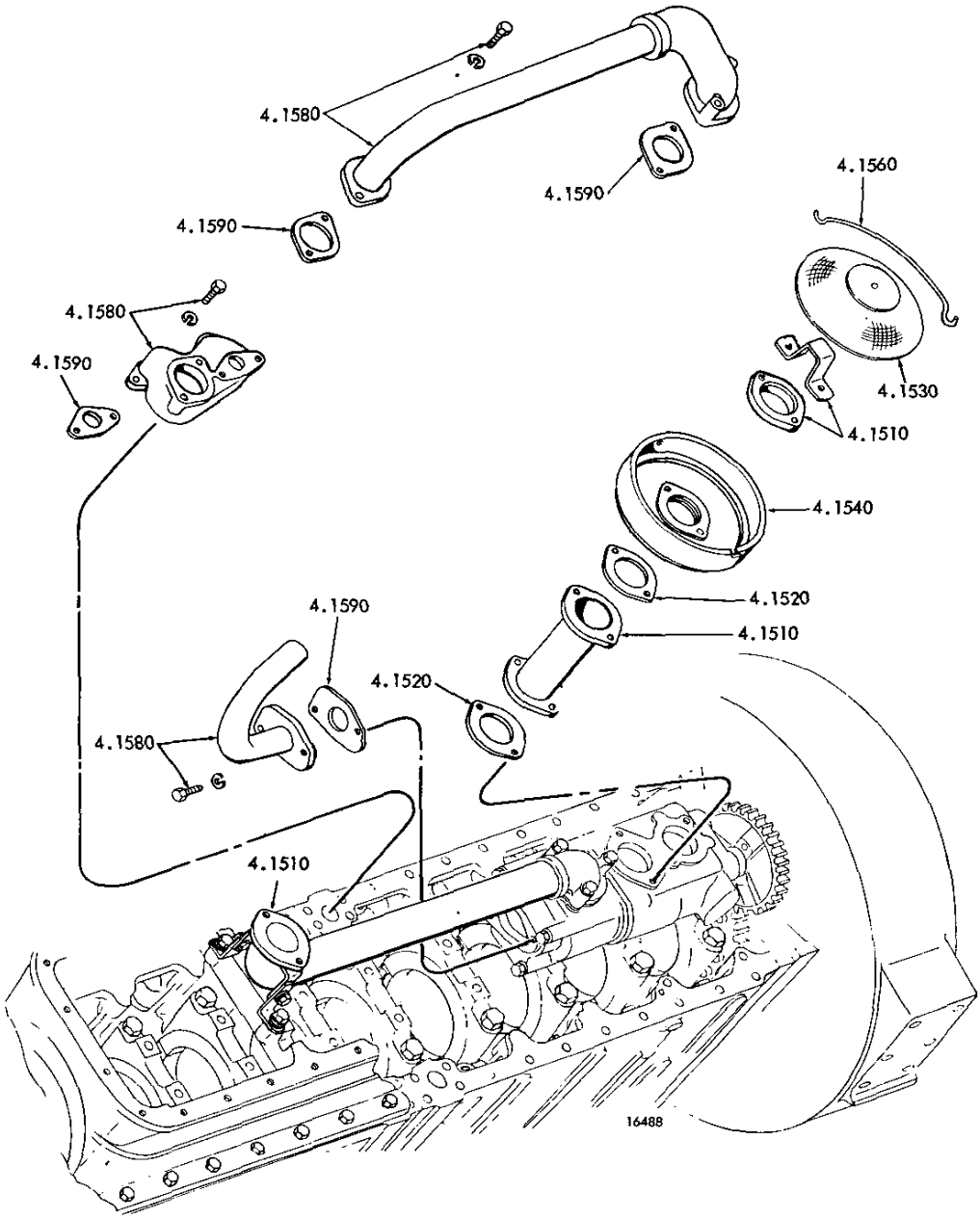

FIG. 2A OIL DISTRIBUTION (16V)

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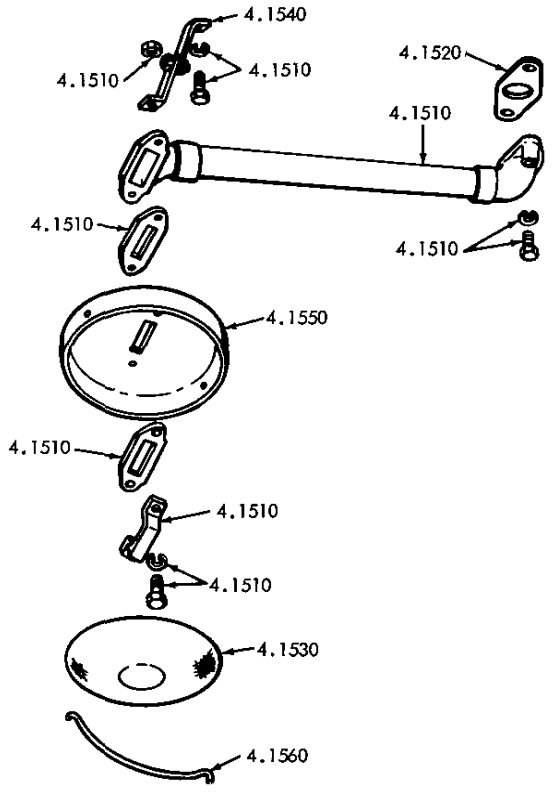

FIG. 2B

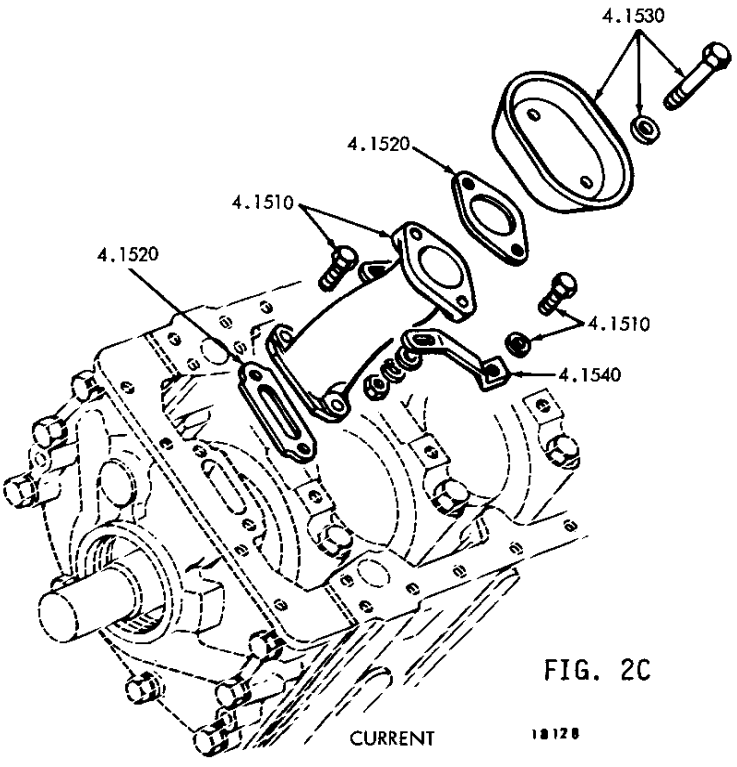

FIG. 2C

OIL DISTRIBUTION SYSTEM (6V AND 8V)

FIGS. 2B & 2C Of. 4.0000

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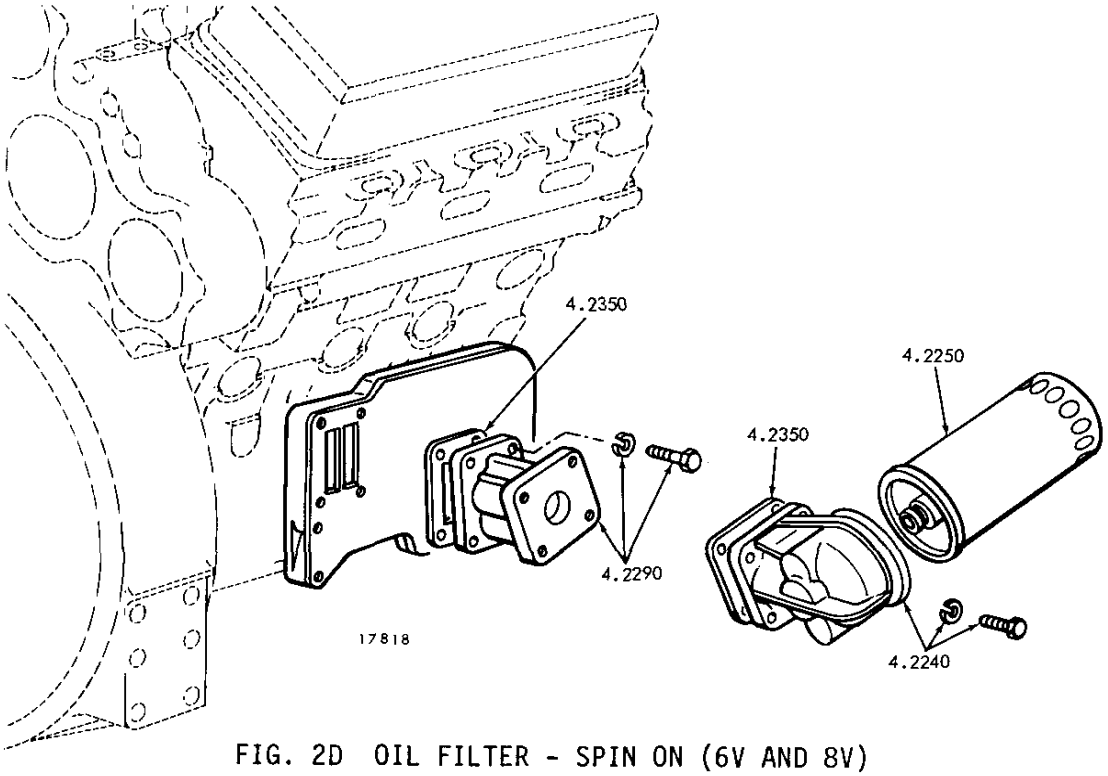

FIG. 2D OIL FILTER - SPIN ON (6V AND 8V)

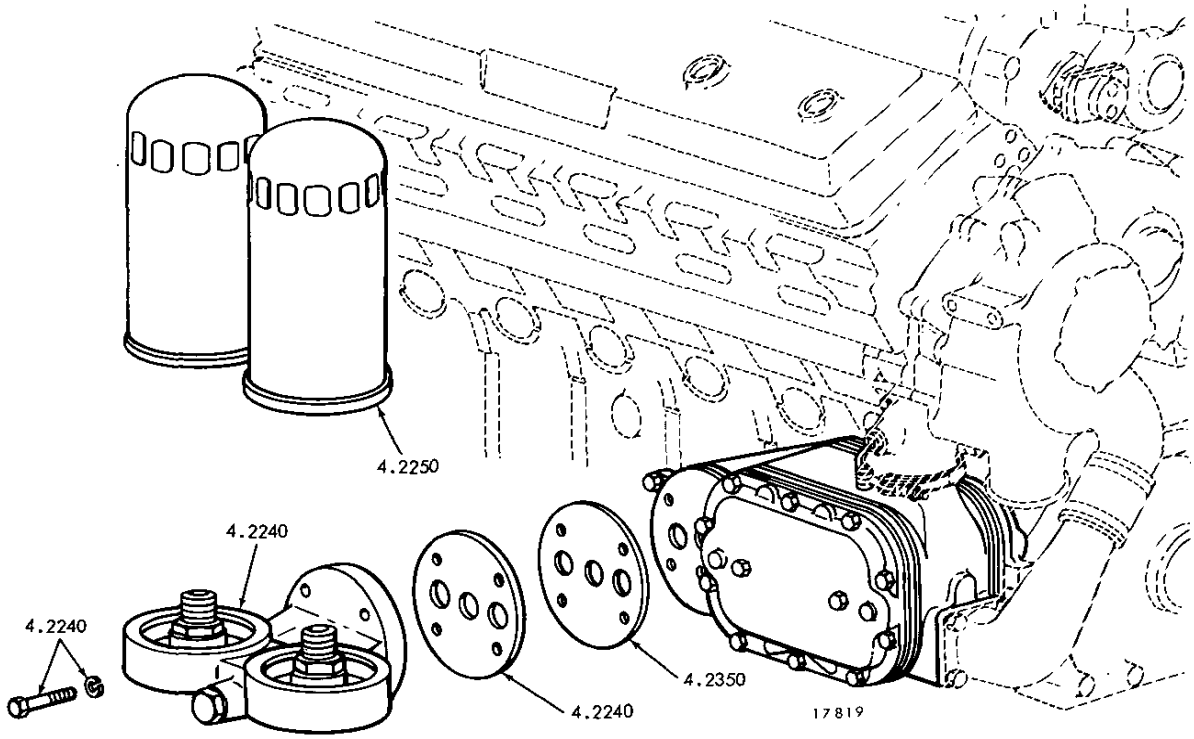

FIG. 2E DUAL-OIL FILTER & ADAPTOR (12V)

FIGS. 2D & 2E Of 4.0000

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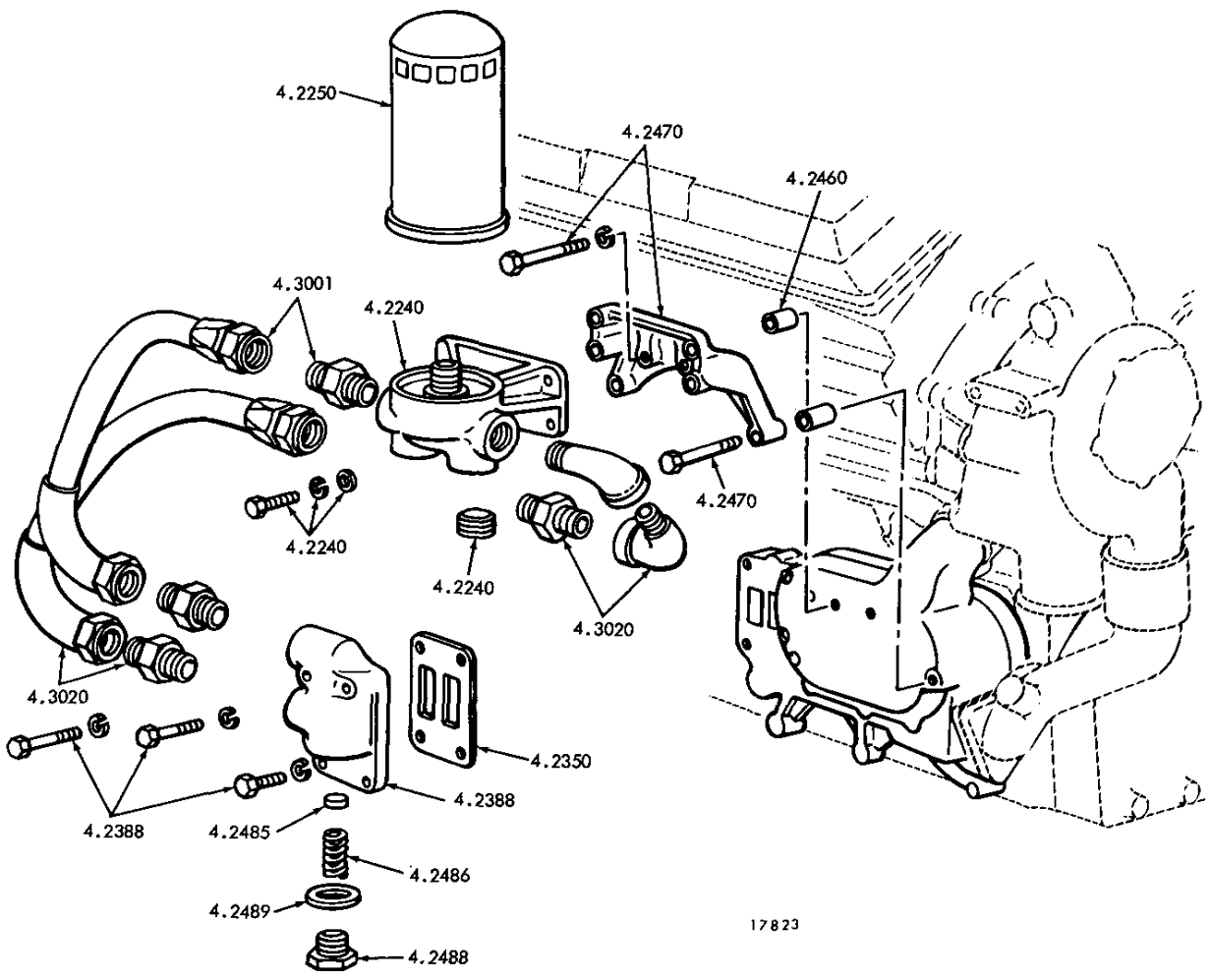

FIG. 2F OIL FILTER - ADAPTOR AND MOUNT (6 and 8V)

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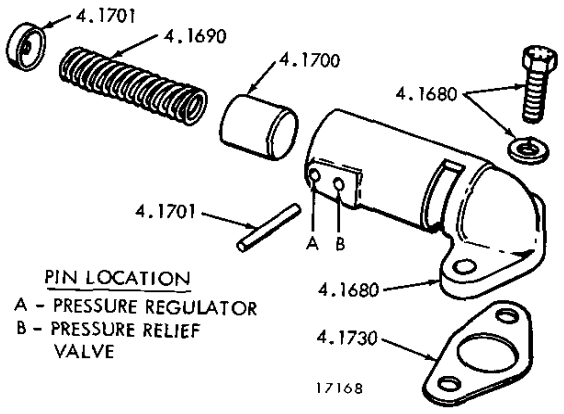

FIG. 3A (6V AND 8V)

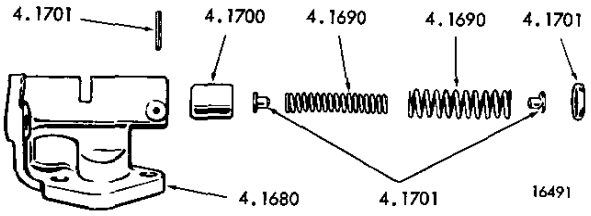

FIG. 3B (12V)

OIL PRESSURE REGULATOR OR RELIEF VALVE

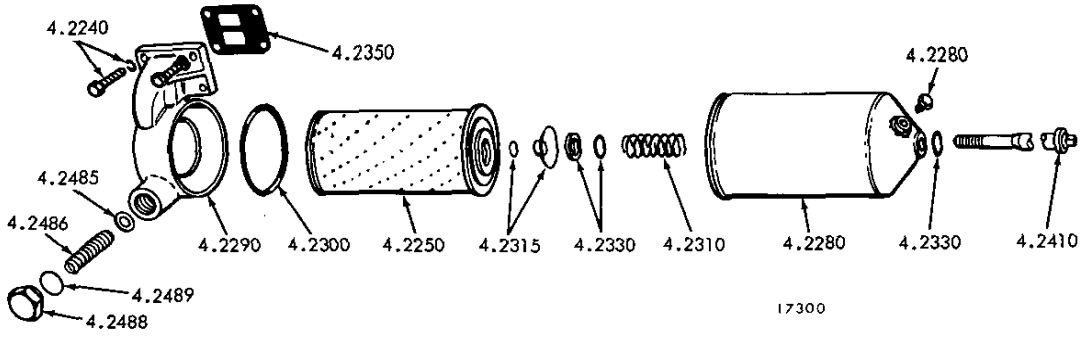

FIG. 4A OIL FILTER

FIGS. 3A, 3B & 4A of 4.0000

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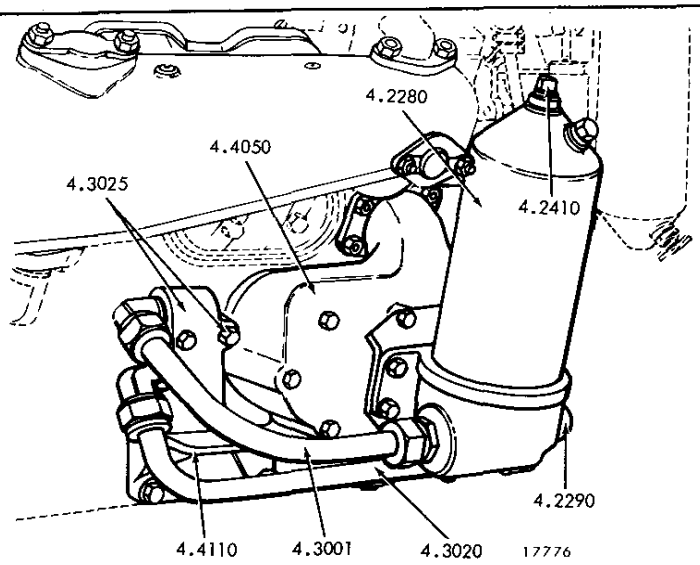

FIG. 4B OIL FILTER AND REMOTE ADAPTOR

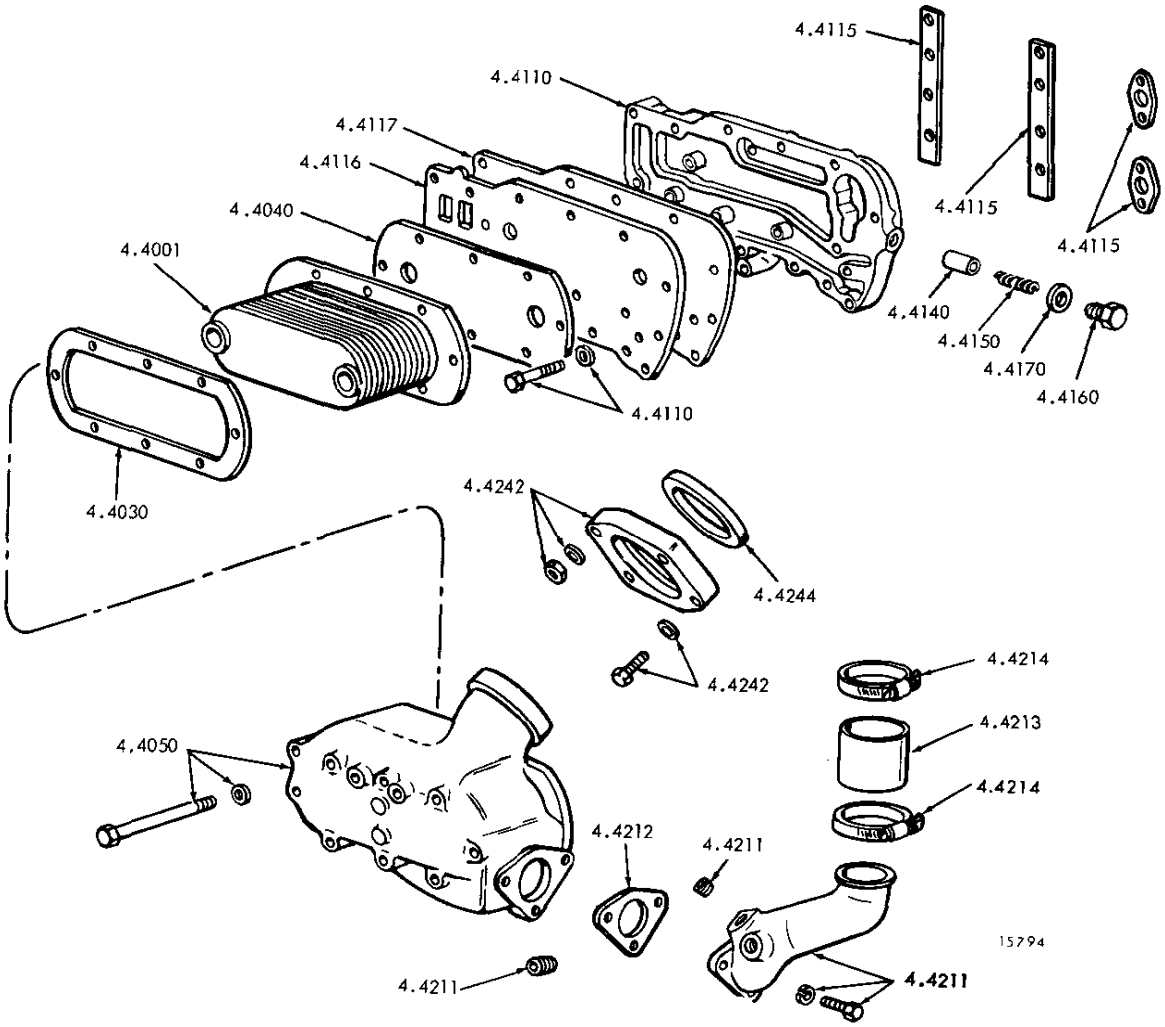

FIG. 5A OIL COOLER

Figs. 4B & 5A of 4.0000

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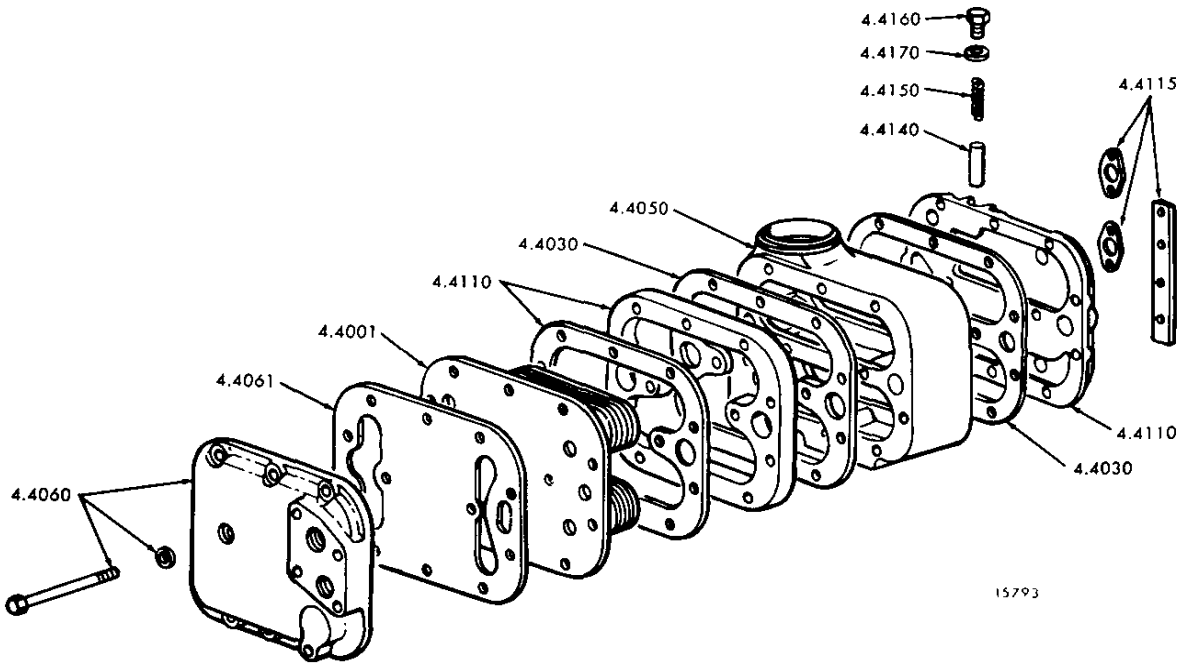

FIG. 5B OIL COOLER AND HOUSING

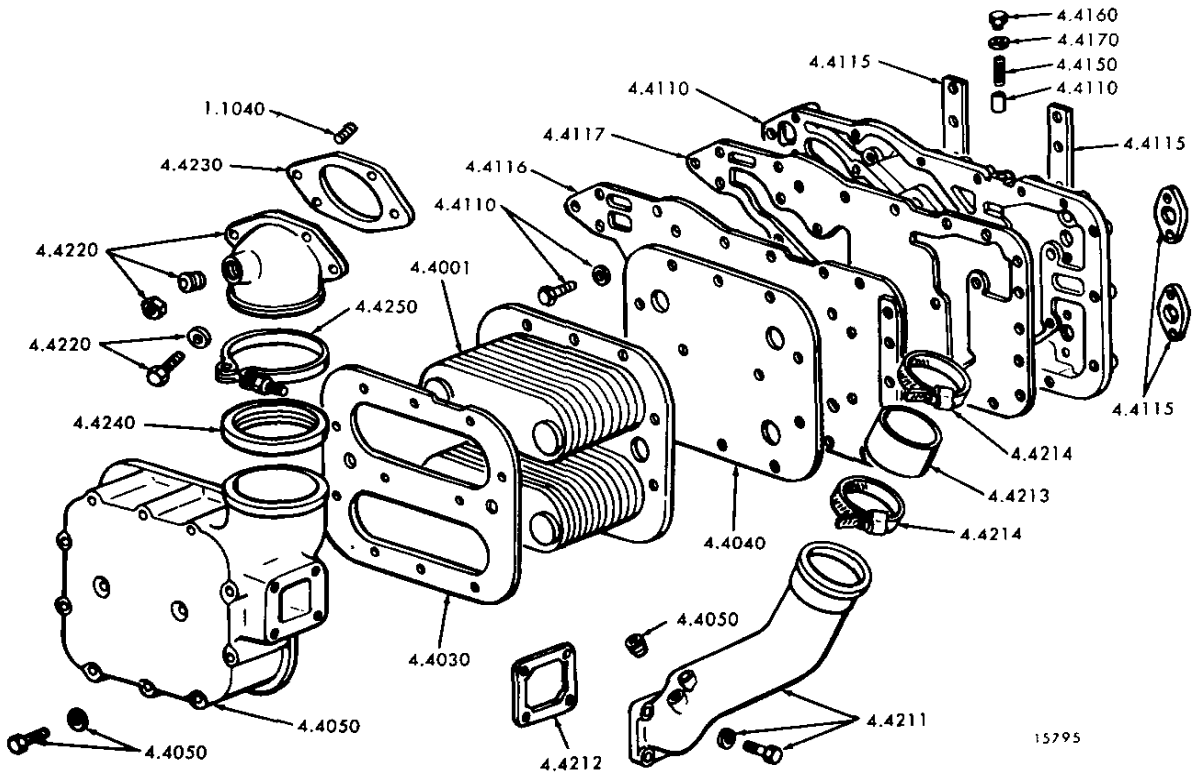

FIG. 5C OIL COOLER AND HOUSING

FIGS. 5B, 5C OF 4.0000

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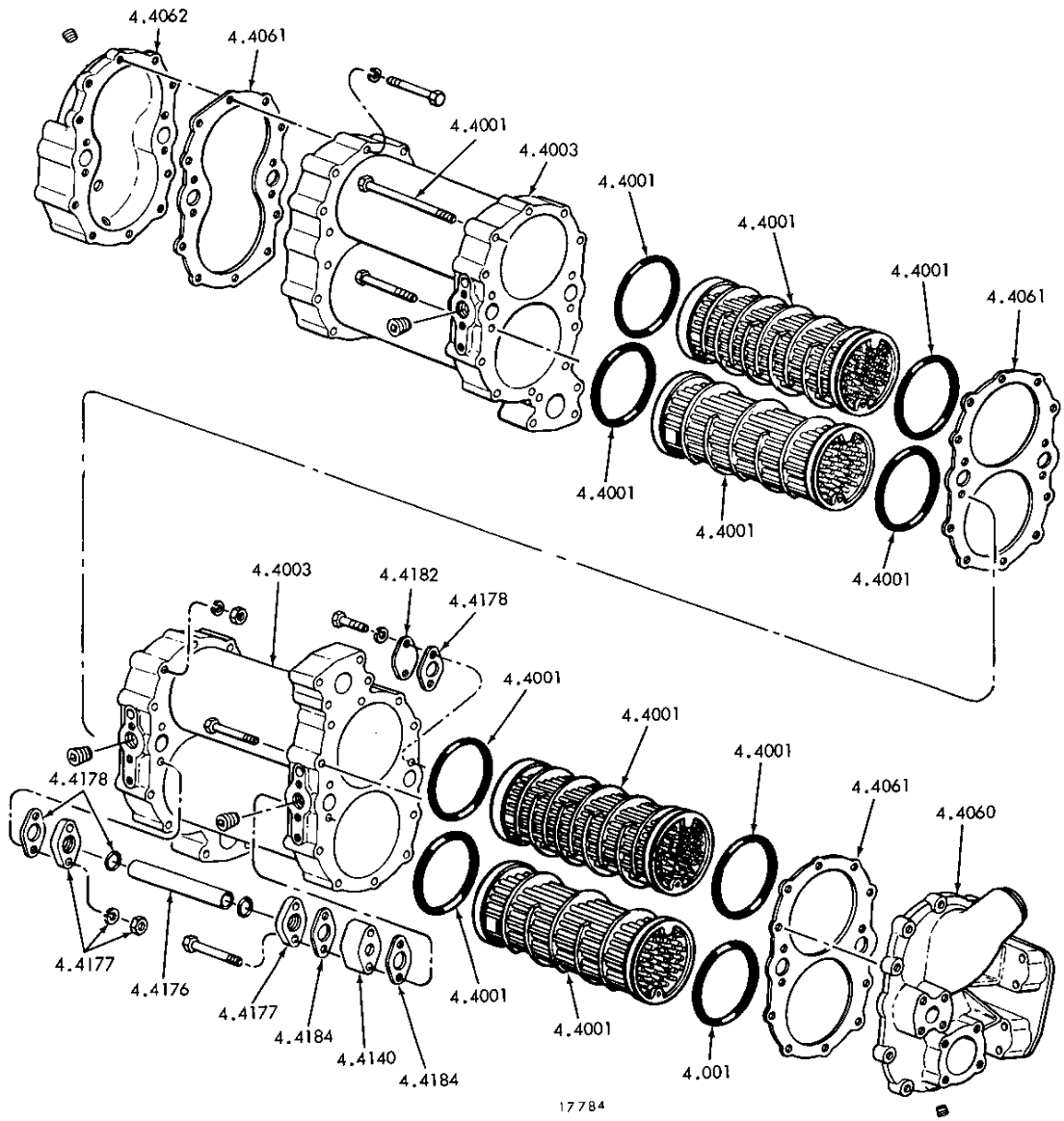

FIG. 5D OIL COOLER (Tube Type)

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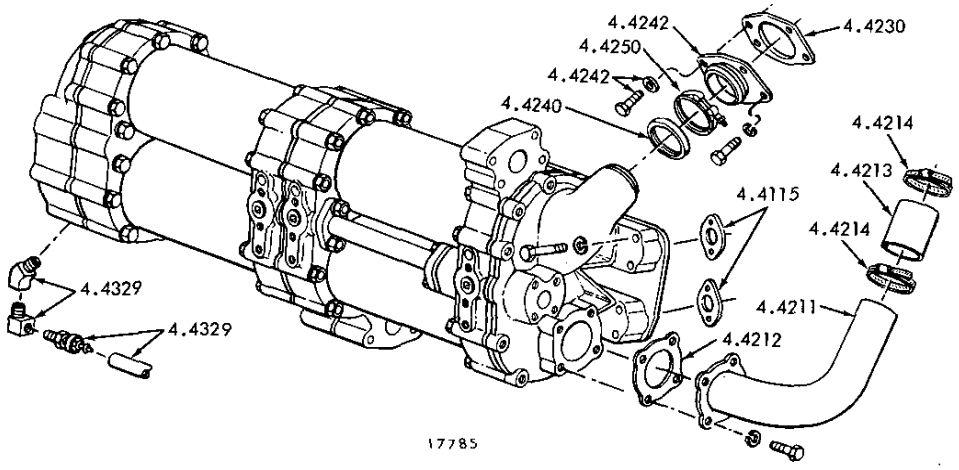

FIG. 5E OIL COOLER ASSEMBLY

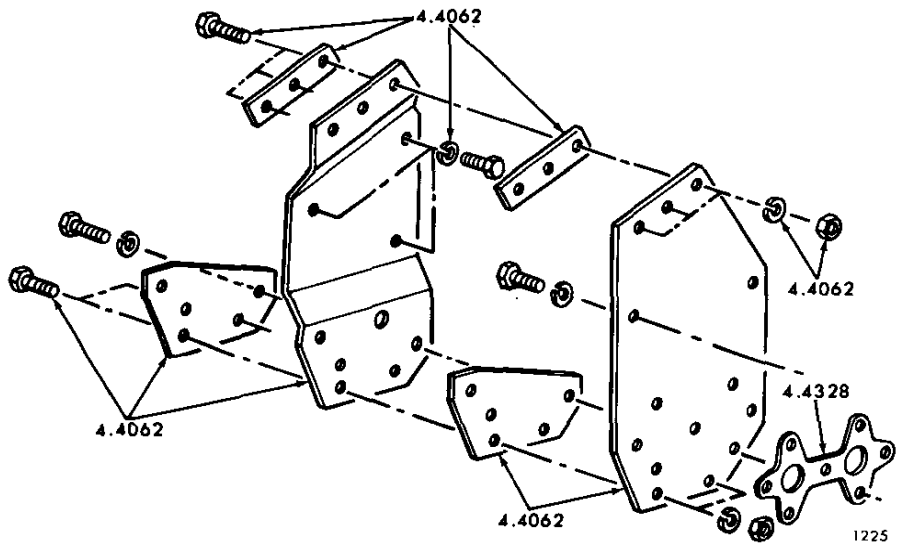

FIG. 5F OIL COOLER MOUNTING BRACKET

FIGS. 5E & 5F of 4.0000

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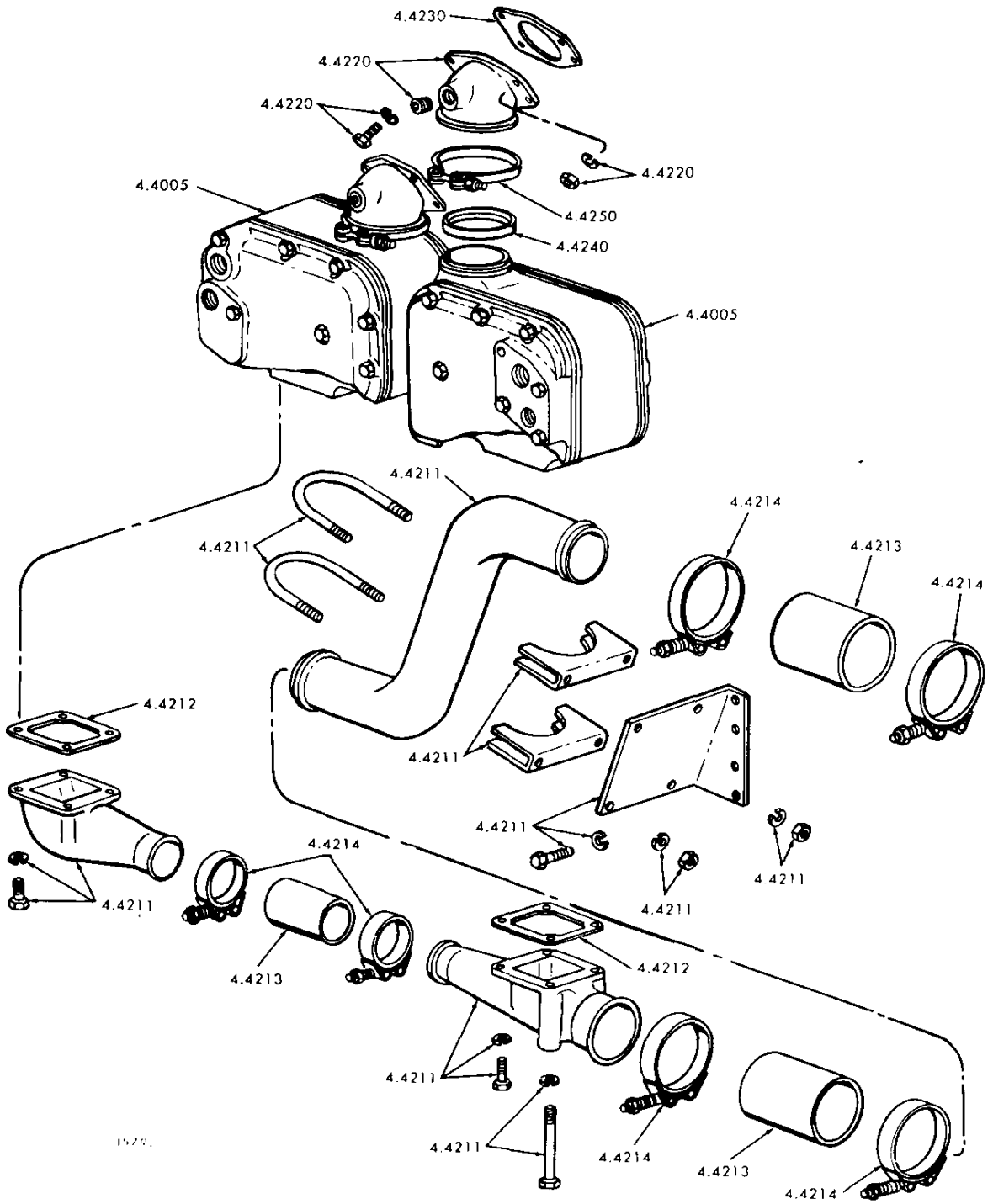

FIG. 5H OIL COOLER 16V-71

FIG. 5H OF 4.0000

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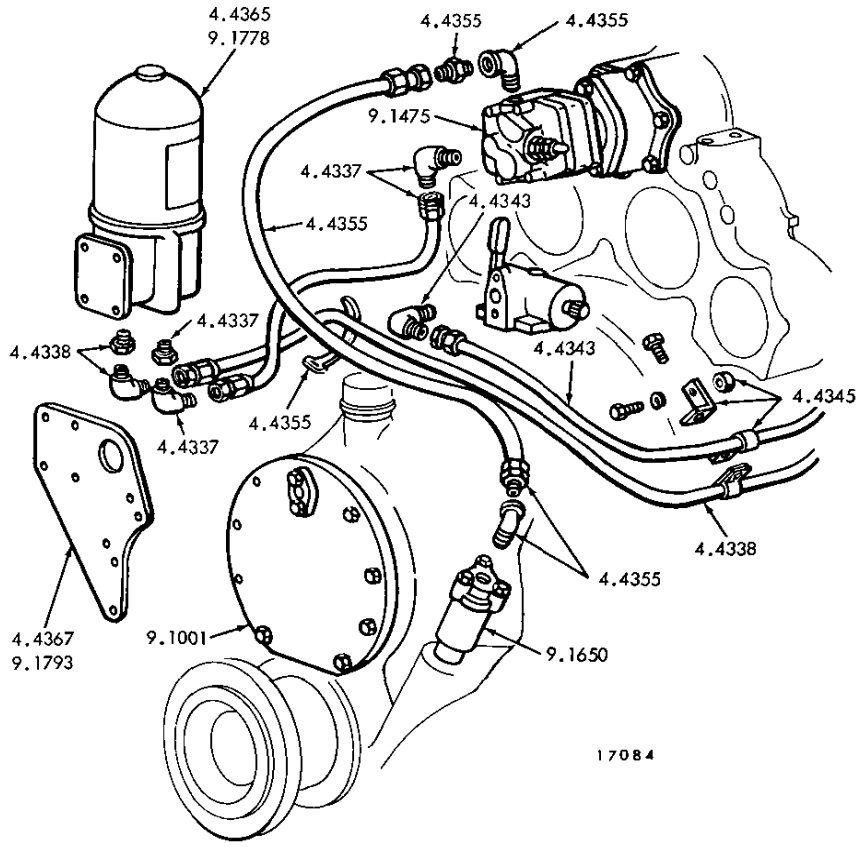

FIG. 5J OIL COOLER LINES - MARINE GEAR

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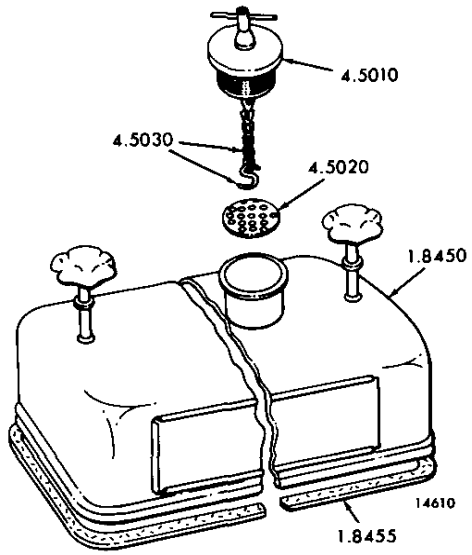

FIG. 6A OIL FILLER CAP (EXPANSION TYPE) STAMPED COVER

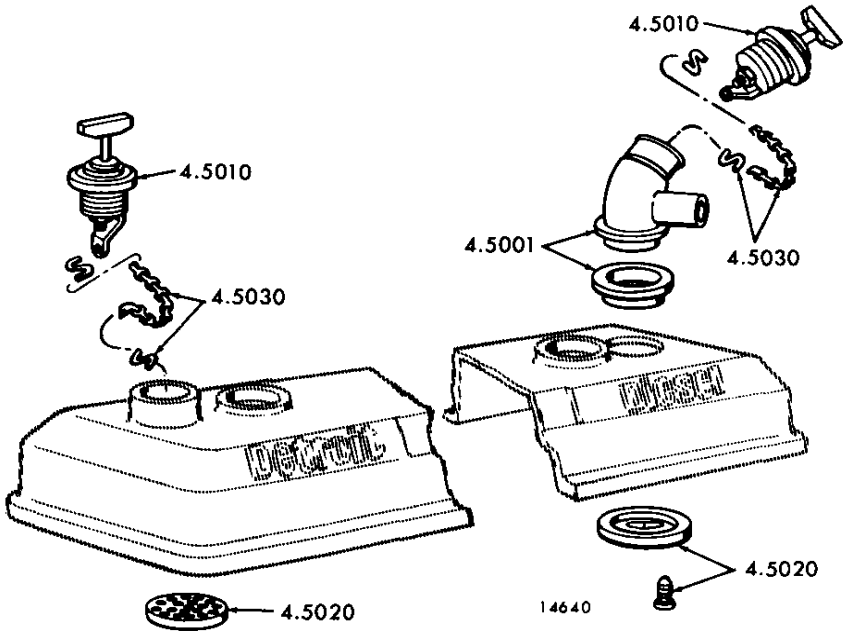

FIG. 6B OIL FILLER CAP (EXPANSION TYPE) CAST COVER

FIGS. 6A & 6B OF 4.0000

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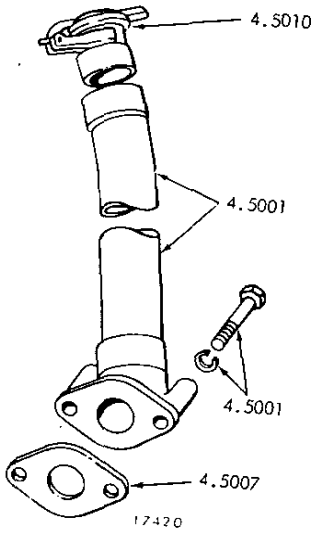

FIG. 6C FILLER NECK AND SPRING CAP
(OIL PAN MTD)

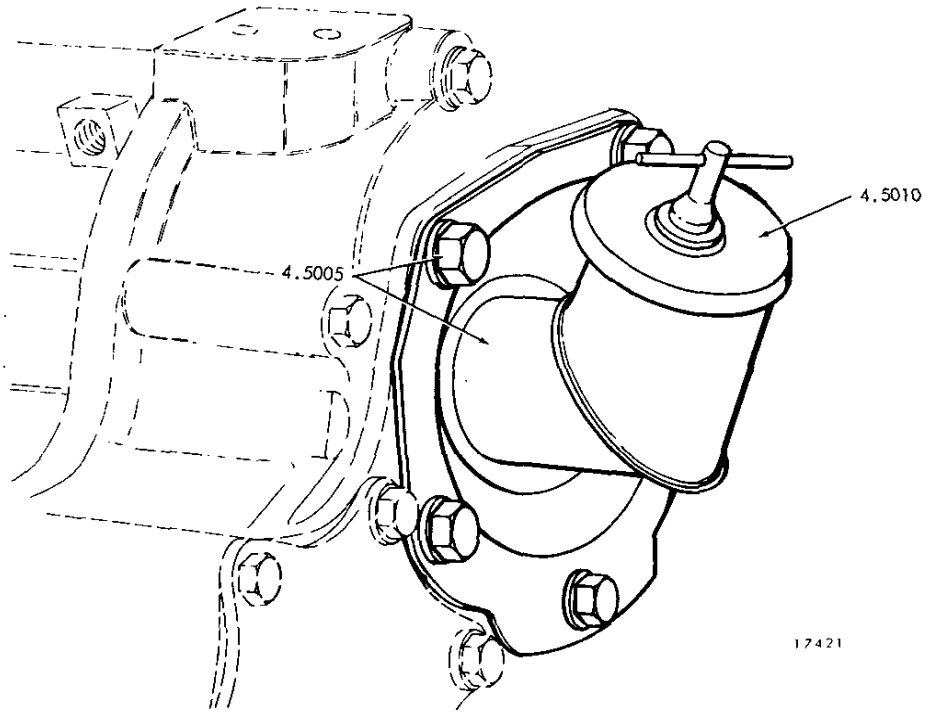

FIG. 6D OIL FILLER (Flywheel Hsg. Mtg.)

Figs. 6C & 6D of 4.0000

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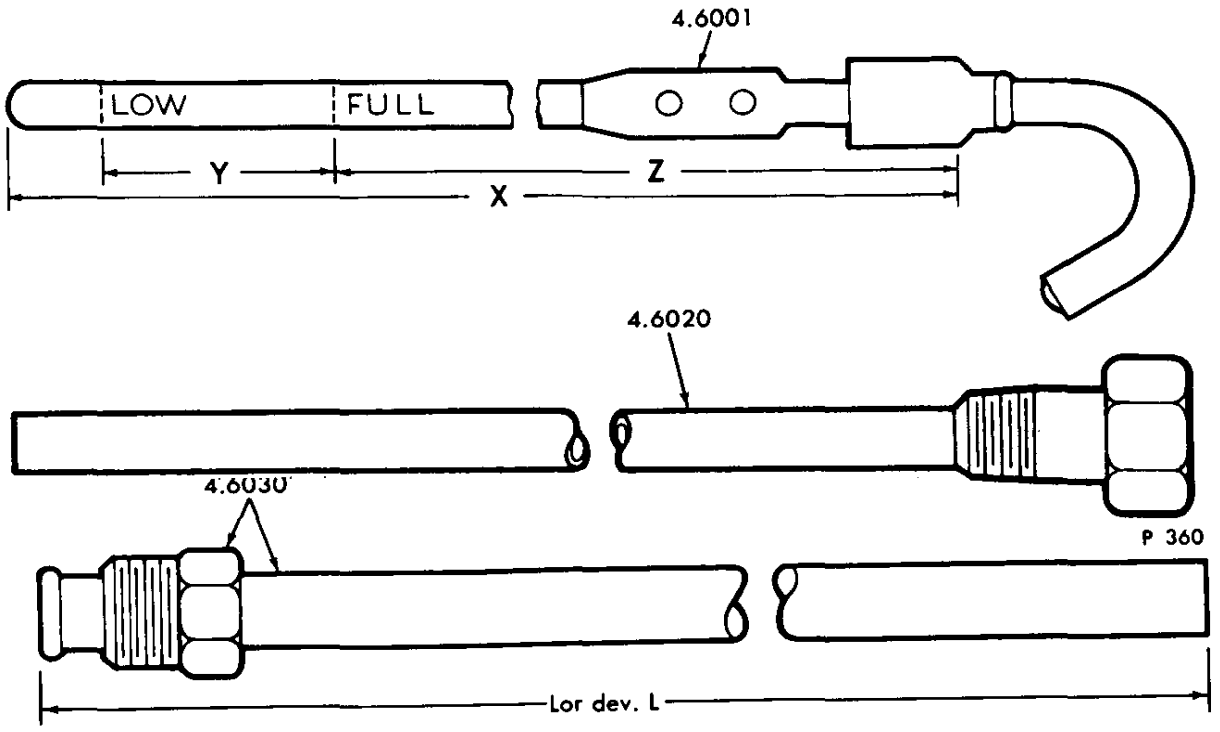

FIG. 7A DIPSTICK

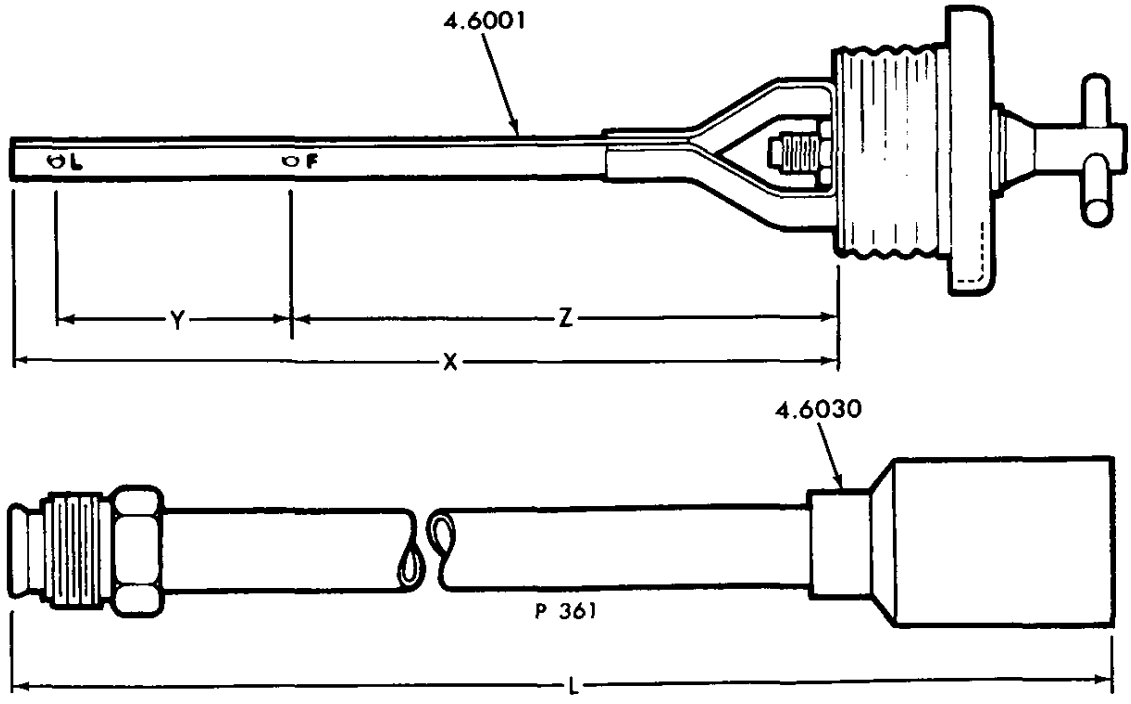

FIG. 7B DIPSTICK

Figs. 7A & 7B of 4.0000

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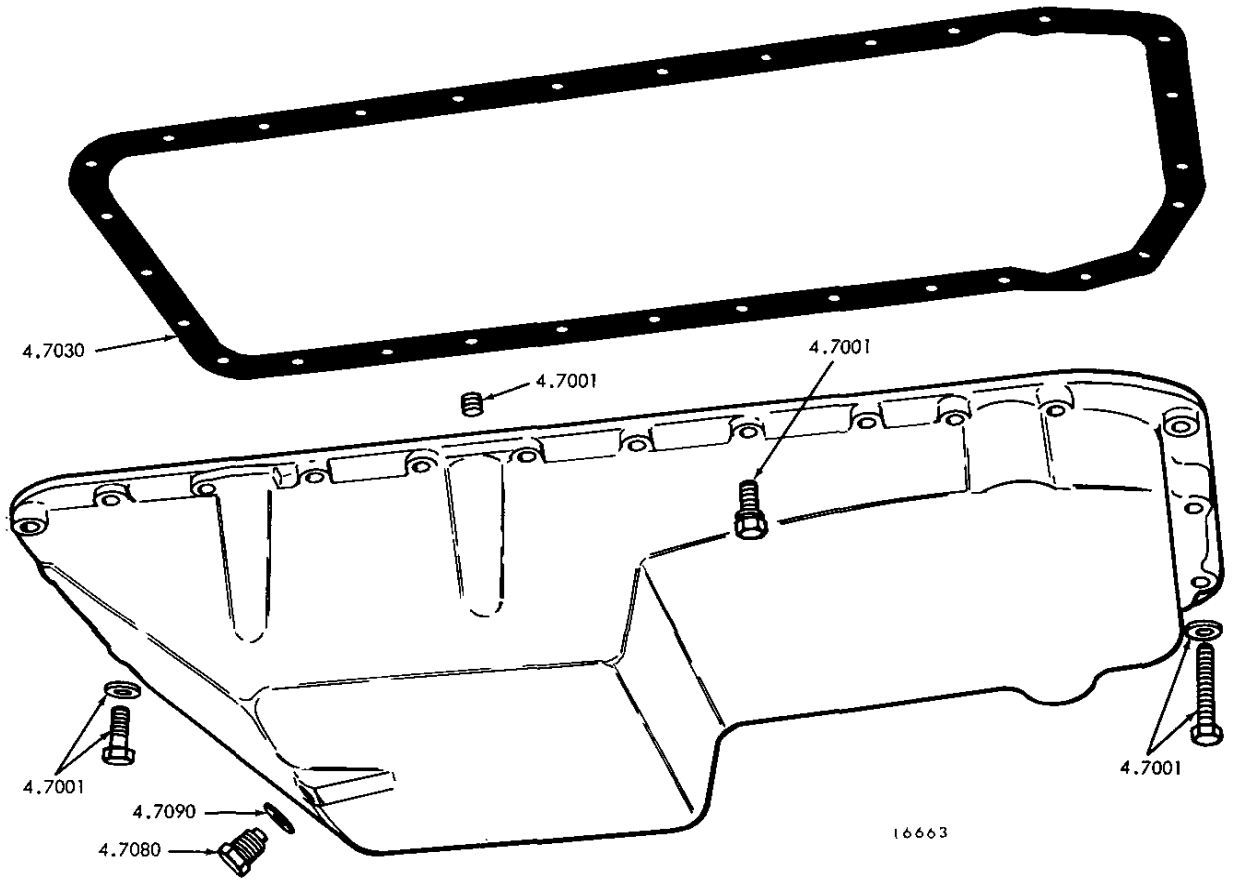

FIG. 8A OIL PAN

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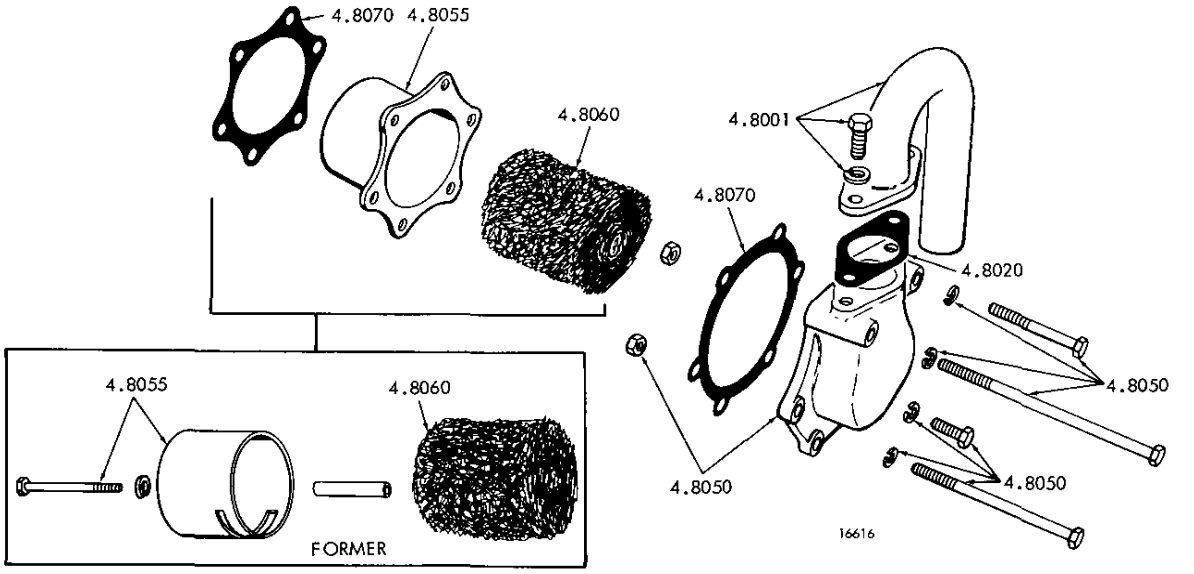

FIG. 9A VENTILATING SYSTEM (FLYWHEEL HOUSING)

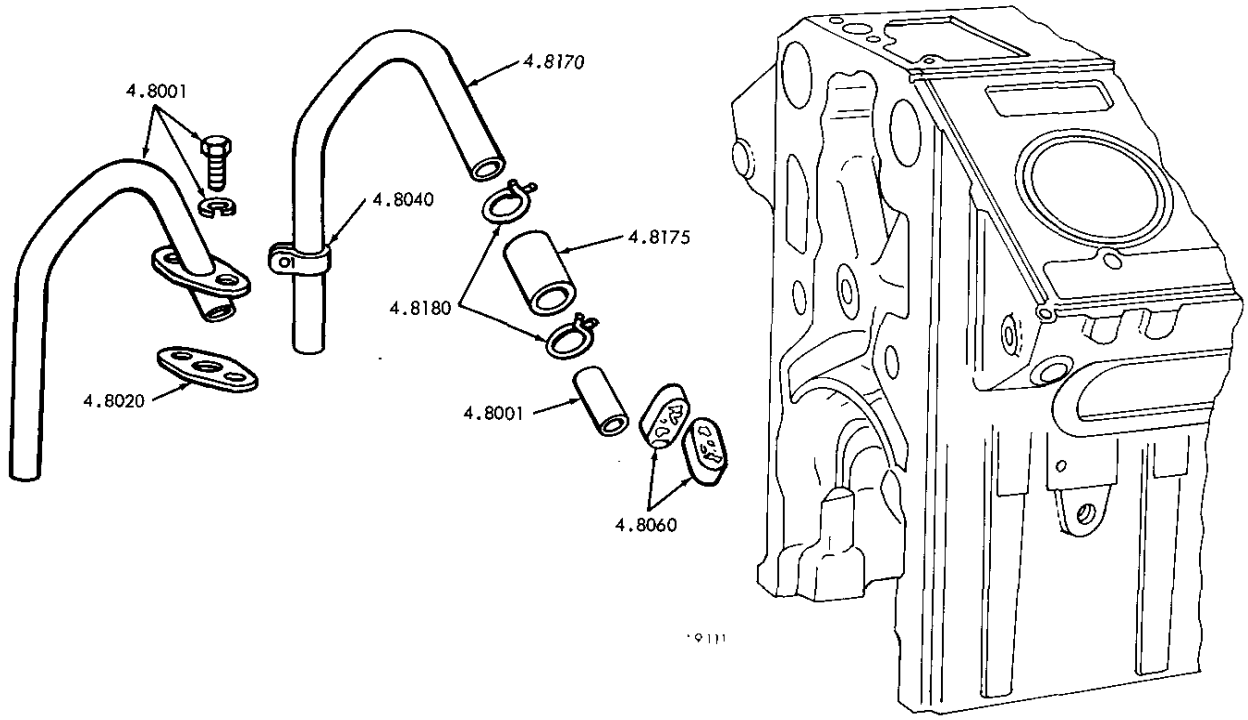

FIG. 9B ENGINE BREATHER

Figs. 9A & 9B of 4.0000

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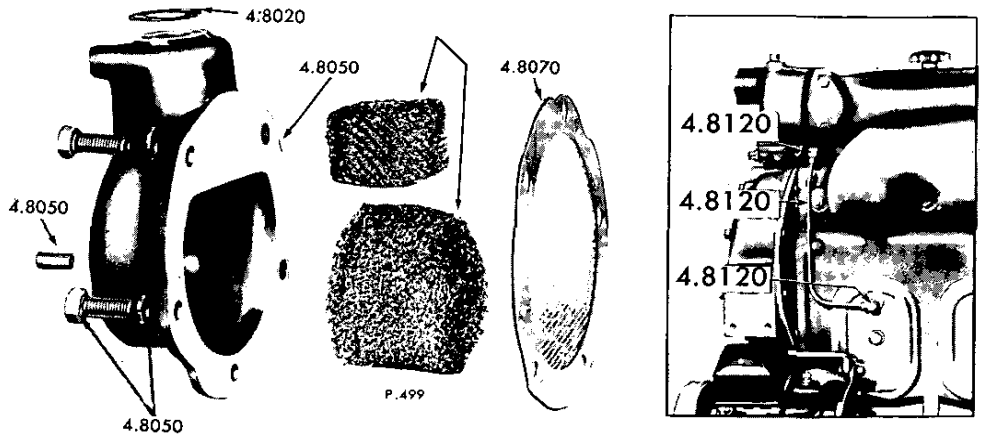

FIG. 9C VENTILATING SYSTEM

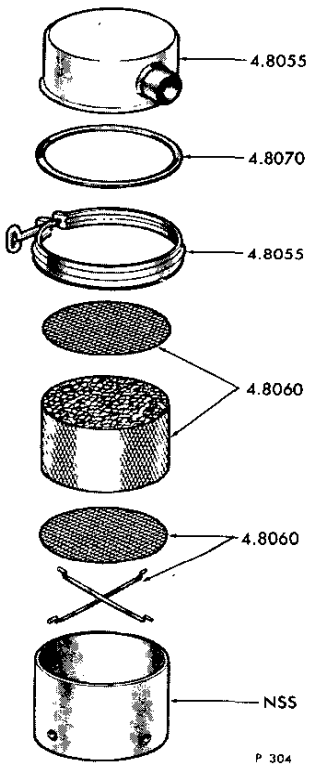

FIG. 9D BREATHER ASSY.

Figs. 9C & 9D of 4.0000

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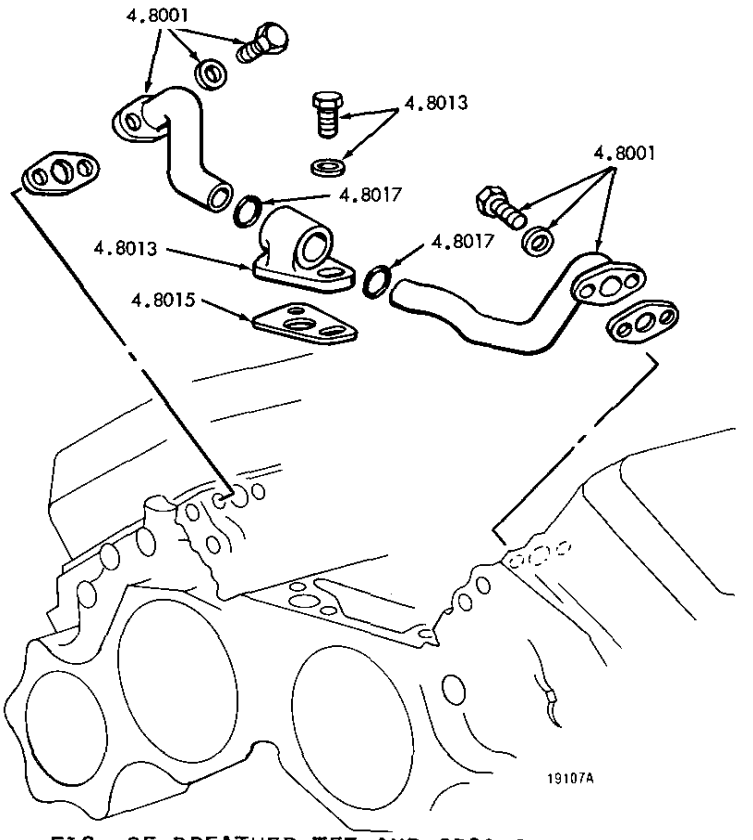

FIG. 9E BREATHER TEE AND CROSSOVER TUBES

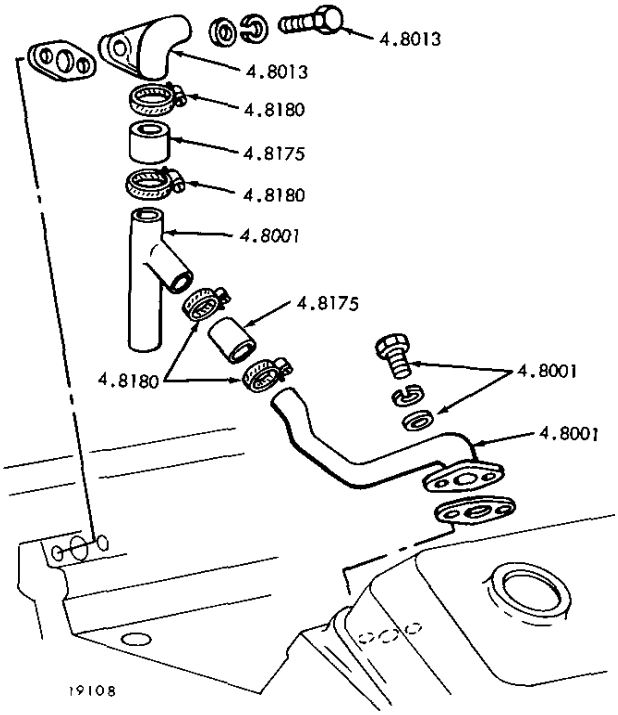

FIG. 9F BREATHER "Y" CONNECTION AND CROSSOVER

FIGS. 9E & 9F OF 4.0000

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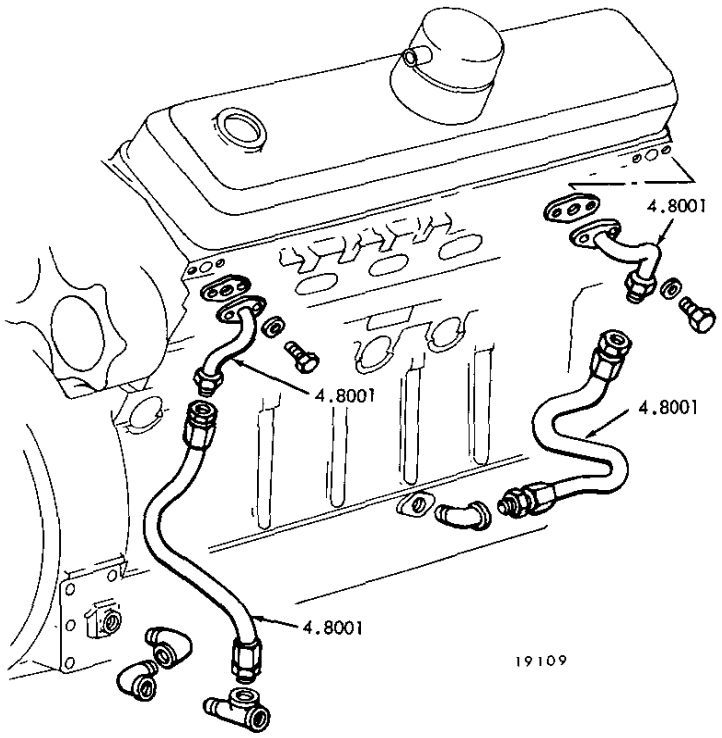

FIG. 9G CYLINDER HEAD TO OIL PAN VENT TUBES

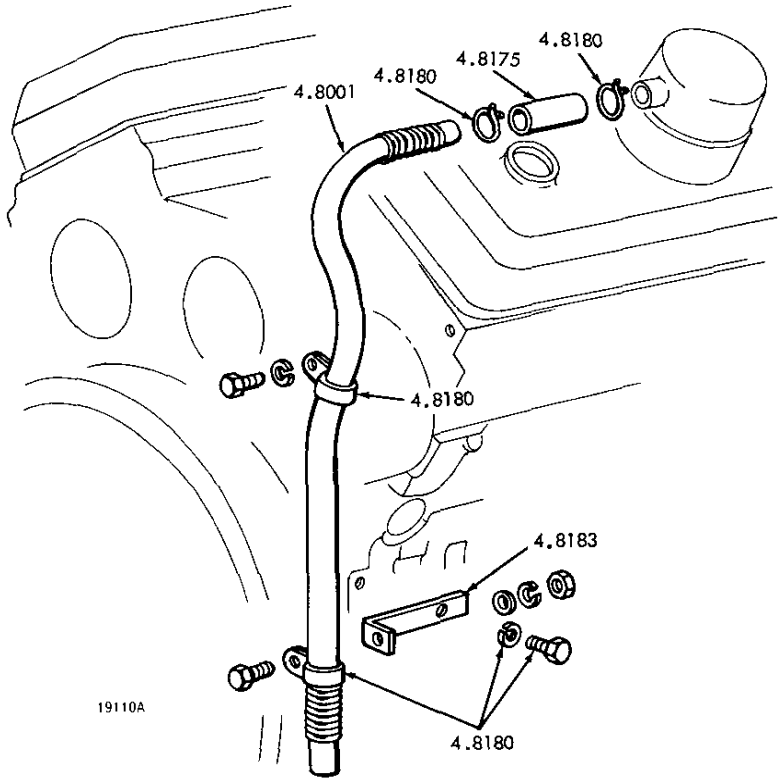

FIG. 9H ROCKER COVER BREATHER WITH EXTENSION TO REAR

FIGS. 9G & 9H OF 4.0000

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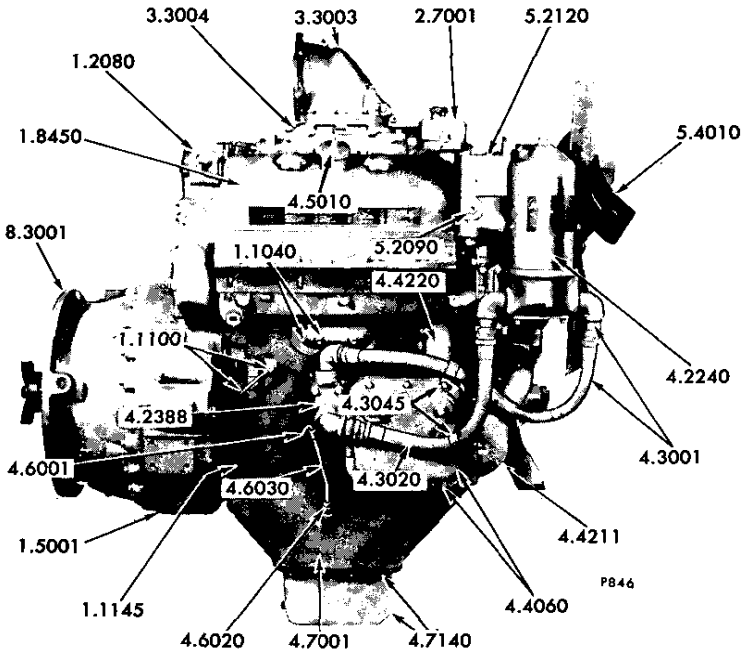

FIG. 10A TYPICAL 6V-71 TORQUE CONVERTER UNIT

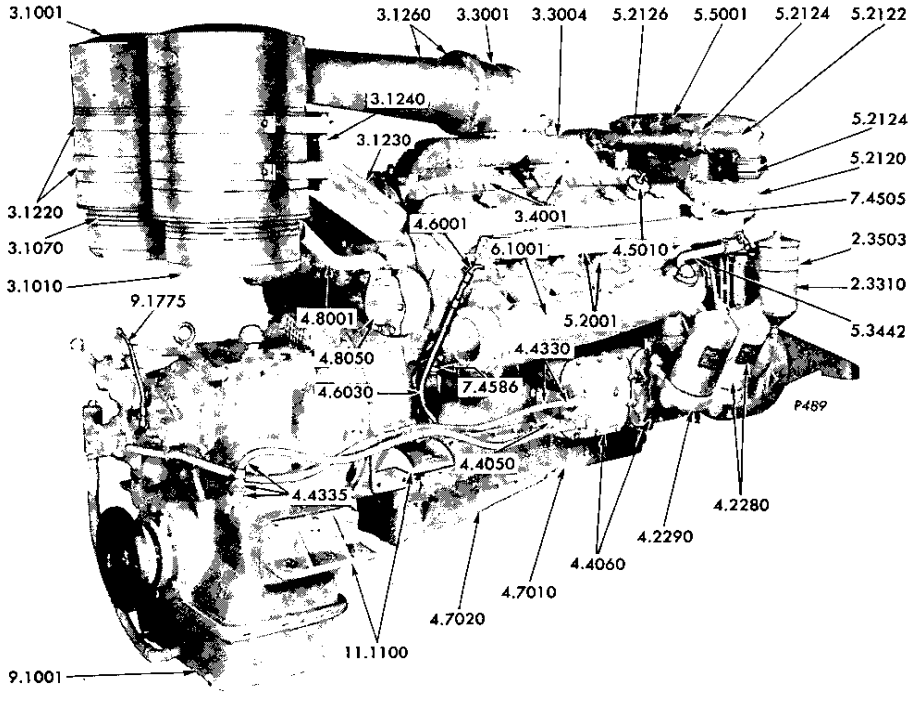

FIG. 10B TYPICAL 12V-71 MARINE (Work Boat)

Figs. 10A & 10B of 4.0000

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 56	57	59	60	61	62	64	65	66	67	68	69
		4.1001 - PUMP ASSY., OIL												
		SEE ASSEMBLY BREAKDOWN AS INDICATED.												
1A,B,C	**5117609**	* PUMP ASSY. (R.H.) (PAGE C1)	1											
1A,B,C	**5122230**	PUMP ASSY. (R.H., L.H.)(SCAVENGING) (PAGE A1)		1								1		
1A,B,C	**5117608**	PUMP ASSY. (L.H.) (PAGE C1)			1									
1A,B,C	**5122233**	PUMP ASSY. (R.H., L.H.) (PAGE A1)				1	1							
1D	**5126231**	@ PUMP ASSY. (R.H., L.H.) (SCAVENGING) (PAGE A1)						1						
1D	**5128905**	PUMP ASSY. (R.H.) (SCAVENGING) (PAGE B1)							1					
1A,B,C	**5129876**	PUMP ASSY. (R.H.) (PAGE B1)								1				
1D	**5128906**	PUMP ASSY. (L.H.) (SCAVENGING) (PAGE B1)									1			
1D	**5162712**	# PUMP ASSY. (R.H.) (SCAVENGING) (1.5:1 RATIO) (PAGE A1)											1	
1D	**5162734**	@ PUMP ASSY. (R.H.) (SCAVENGING) (1.2:1 RATIO) (PAGE A1)												1
	8927270	STUD, 3/8"-16-24X1.62" (12.9117)		4			4	2	2	2	2	4	2	2
	103197	STUD, 3/8"-16-24X1 13/16" (12.9117)						2	2		2		2	2
	103198	STUD, 3/8"-16-24X2 1/16" (12.9117)								2				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	2		2									
	179893	BOLT, 1/2"-13X3" (12.9001)	2		2									
1A	**186659**	BOLT, 1/2"-13X3 3/4" (12.9001)	4		4									
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
1A	**103323**	LOCKWASHER, 1/2" (12.9200)	AR		AR									
	103026	NUT, 3/8"-24 HEX. (12.9120)		4		4	4	4	4	4	4	4	4	4
		* NOT SERVICED; USE 5146588 PUMP ASSY.												
		@ NOT SERVICED; USE 5198840 PUMP ASSY. (SEE BREAKDOWN, PAGE A3) AND INCLUDE (1) 5162750 GEAR, (1) 5104439 W ASHER, (1) 223622 BOLT TO ASSURE INTERCHANGEABILITY.												
		# NOT SERVICED; FOR REPLACEMENT USE 5198840 PUMP ASSY. (SEE BREAKDOWN, PAGE A3) AND INCLUDE (1) 5162749 GEA R, (1) 5104439 WASHER, (1) 223622 BOLT TO ASSURE INTERCHANGEABILITY.												
		4.1004 - SEAL, CRANKSHAFT OIL-FRONT												
	5115454	SEAL, OIL (SGL. LIP) (.500" WIDE) (1.3040)	1		1									
		4.1007 - GASKET, OIL PUMP TO CYLINDER BLOCK												
1A,B,C	**5121714**	GASKET (1.3170)	1		1									
		4.1030 - SHIM, OIL PUMP												
1F	**5183323**	SHIM, .005"		AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
1F	**5185319**	SHIM, .010"		AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
1F	**5185318**	SHIM, .015"		AR		AR	AR	AR	AR	AR	AR	AR	AR	AR

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 56	57	59	60	61	62	64	65	66	67	68	69
		4.1232 - GASKET, OIL PUMP COVER FLANGE												
1F,E	**5123235**	GASKET (2.44"B.C.)				1	1							
1F,E	**5123240**	GASKET (2.40"B.C.) (4.1300)				1								
		4.1290 - COVER, OIL PUMP PAD												
1F,G	**5122680**	COVER (2.40"B.C.) (SIDE)		1		1	1	1				1	1	1
1F,G	**5121926**	COVER (2.44"B.C.)(OIL PUMP) (4.1222)				1	1							
1F,G	**5123661**	COVER (2.76"B.C.) (LOWER)				1								
1F,G	**5123662**	COVER (2.88"B.C.) (SIDE)					1							
	8927580	BOLT, 3/8"-16X1.015" (12.9001)		2		6	6	2				2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR	AR	AR				AR	AR	AR
		4.1300 - GASKET, OIL PUMP PAD COVER												
1E,F,G	**5123240**	GASKET (2.40"B.C.) (SIDE)		1			1	1				1	1	1
1E,F,G	**5123660**	GASKET (2.76"B.C.)				1								
1E,F,G	**5123241**	GASKET (2.88"B.C.) (LOWER) (4.1520)					1							
		4.1310 - GEAR, OIL PUMP DRIVE-ON CRANKSHAFT												
1A,B,C	**5117020**	GEAR (37 TEETH)	1		1									
1A,B,C	**5121958**	# GEAR (79 TEETH)		1		1	1	1						1
1A,B,C	**5125958**	* GEAR (86 TEETH)		1		1	1					1	1	
1A,B,C	**5124646**	GEAR (86 TEETH) (TO CRANKSHAFT GEAR)							1	1	1			
	124549	@ KEY, 3/16"X3/4" WOODRUFF (12.9350)	1	1	1	1	1					1	1	1
	8928545	& KEY, 3/16"X7/8" WOODRUFF (12.9350)	1	1	1	1	1					1	1	1
1G	**5126171**	SPACER						1					1	1
	5129881	BOLT, 5/16"-24X2"							6	6	6			
		# THRU 12VA-1079; ALSO EFFECTIVE WITH 12VA-1190 AND THRU 12VA-1345; ALSO EFFECTIVE WITH 12VA-3039, 24A-013.												
		* EFFECTIVE WITH 12VA-1080 AND THRU 12VA-1189; EFFECTIVE WITH 12VA-1346, 24VA-001 AND THRU 12VA-3038, 24VA- 012.												
		@ USE FOR CRANKSHAFT WITH 11/16" KEY SLOT; THRU 6VA-17087, 8VA-7695, 12VA-2362, 24VA-009.												
		& USE FOR CRANKSHAFT WITH 13/16" KEY SLOT, EFFECTIVE WITH 6VA-17088, 8VA-7696, 12VA-2363, 24VA-010.												
		4.1380 - GEAR, OIL PUMP DRIVE-ON PUMP												
1D,E	**5162749**	GEAR (57 TEETH)											1	
1D,E	**5127577**	* GEAR (57 TEETH)		1		1	1					1		
1D,E	**5121957**	@ GEAR (64 TEETH)		1		1	1					1		

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 56	57	59	60	61	62	64	65	66	67	68	69
		4.1380 - GEAR, OIL PUMP DRIVE (ON PUMP) (CONT'D)												
1D,E	**5126348**	# GEAR (64 TEETH)		1		1	1					1		
1D,E	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1		1	1					1	1	

* EFFECTIVE WITH 12VA-1080 AND THRU 12VA-1189; EFFECTIVE WITH 12VA-1346, 24VA-001 AND THRU 12VA-3038, 24VA-012.
@ THRU 12VA-587.
# EFFECTIVE WITH 12VA-588 AND THRU 12VA-1079; ALSO EFFECTIVE WITH 12VA-1190 AND THRU 12VA-1345; ALSO EFFECTIVE WITH 12VA-3039, 24VA-013.

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 70	71	72	73	74	76	77	99	100	101	105	108
		4.1001 - PUMP ASSY., OIL												
		SEE ASSEMBLY BREAKDOWN AS INDICATED.												
1A,B,C	**5198987**	PUMP ASSY. (R.H.) (PAGE A1)						1						1
1D	**5179074**	@ PUMP ASSY. (R.H.) (SCAVENGING) (1.5:1 RATIO) (PAGE A1)	1											
1A,B,C	**5129877**	PUMP ASSY. (L.H.) (PAGE B1)		1										
1D	**5131560**	PUMP ASSY. (R.H.) (SCAVENGING) (1.4:1 RATIO) (PAGE B1)			1									
1A,B,C	**5131533**	* PUMP ASSY. (R.H.) (PAGE B1) (5146587)				1								
1A,B,C	**5131147**	PUMP ASSY. (R.H.) (PAGE C1)					1							
1D	**5131607**	PUMP ASSY. (R.H.) (SCAVENGING) (1.2:1 RATIO) (PAGE A1)							1					
1A,B,C	**5138534**	* PUMP ASSY. (L.H.) (PAGE B1) (5128906)								1				
1A,B,C	**5138340**	* PUMP ASSY. (R.H.) (PAGE B1) (5128905)									1			
1A,B,C	**5140754**	@ PUMP ASSY. (L.H.) (PAGE A1)										1		
1A,B,C	**5131818**	# PUMP ASSY. (L.H.) (PAGE A1)											1	
	8927270	STUD, 3/8"-16-24X1 9/16" (12.9117)		2	2					2	2			
	103197	STUD, 3/8"-16-24X1 13/16" (12.9117)		2	2					2	2			
	179844	BOLT, 3/8"-16-24X1 5/8" (12.9001)					2							
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				2								
1A	**186656**	BOLT, 1/2"-13X2 3/4" (12.9001)					2							
	179893	BOLT, 1/2"-13X3" (12.9001)				2								
1A	**186659**	BOLT, 1/2"-13X3 3/4" (12.9001)				4								
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
1A	**103323**	LOCKWASHER, 1/2" (12.9200)				AR	AR							
	103026	NUT, 3/8"-24 HEX. (12.9120)	4	4	4			4	4	4	4	4	4	4
		* NOT SERVICED; USE PUMP ASSY. IN PARENTHESES.												
		# NOT SERVICED; USE PUMP ASSY. 5198987 (SEE BREAKDOWN, PAGE A1) AND INCLUDE (1) 5126348 GEAR AND (1) 124549 TO ASSURE INTERCHANGEABILITY.												
		@ OBSOLETE												
		4.1004 - SEAL, CRANKSHAFT OIL-FRONT												
	5115454	SEAL, OIL (SGL. LIP) (.500" WIDE) (1.3040)				1	1							
		4.1007 - GASKET, OIL PUMP TO CYLINDER BLOCK												
1A,B,C	**5121714**	GASKET (1.3170)				1	1							
		4.1030 - SHIM, OIL PUMP												
1F,G	**5183323**	SHIM (.005")	AR	AR	AR			AR	AR	AR	AR	AR	AR	AR
1F,G	**5185319**	SHIM (.010")	AR	AR	AR			AR	AR	AR	AR	AR	AR	AR
1F,G	**5185318**	SHIM (.015")	AR	AR	AR			AR	AR	AR	AR	AR	AR	AR
		4.1232 - GASKET, OIL PUMP COVER FLANGE												
1E,F	**5123235**	GASKET (2.44"B.C.)						1					1	
1E,F	**5123240**	GASKET (2.40"B.C.) (4.1300)							1				1	

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 70	71	72	73	74	76	77	99	100	101	105	108
		4.1290 - COVER, OIL PUMP PAD												
1F,G	**5122680**	COVER (2.40"B.C.) (SIDE)	1					1	1			1	1	1
1F,G	**5121926**	COVER (2.44"B.C.)(OIL PUMP)(4.1222)						1					1	1
1F,G	**5123661**	COVER (2.76"B.C.) (LOWER)						1					1	1
	8927580	BOLT, 3/8"-16X1.015" (12.9001)	2					6	2			2	2	4
	103321	LOCKWASHER, 3/8" (12.9200)	AR					AR	AR			AR	AR	AR
		4.1300 - GASKET, OIL PUMP PAD COVER												
1E,F,G	**5123240**	GASKET (2.40"B.C.) (SIDE)	1					1				1		1
1E,F,G	**5123660**	GASKET (2.76"B.C.)						1					1	
		4.1310 - GEAR, OIL PUMP DRIVE-ON CRANKSHAFT												
1A,B,C	**5117020**	GEAR (37 TEETH)				1	1							
1A,B,C	**5121958**	# GEAR (79 TEETH)						1	1			1	1	
1A,B,C	**5125958**	* GEAR (86 TEETH)	1											1
1A,B,C	**5124646**	GEAR (86 TEETH)(TO CRANKSHAFT GEAR)		1										
1A,B,C	**5131377**	GEAR (86 TEETH)			1									
	124549	@ KEY, 3/16"X3/4" WOODRUFF (12.9350)	1											
1A,B,C	**8928545**	& KEY, 3/16"X7/8" WOODRUFF (12.9350)	1			1	1							
	138232	BOLT, 5/16"-24X1" SOC. HD. (12.9027)						6						
	5129881	BOLT, 5/16"-24X2"		6										
	103320	LOCKWASHER, 5/16" (12.9200)			6									
		# THRU 12VA-1079; ALSO EFFECTIVE WITH 12VA-1190 AND THRU 12VA-1345; ALSO EFFECTIVE WITH 12VA-3039, 24A-013.												
		* EFFECTIVE WITH 12VA-1080 AND THRU 12VA-1189; EFFECTIVE WITH 12VA-1346, 24VA-001 AND THRU 12VA-3038, 24VA- 012.												
		@ USE FOR CRANKSHAFT WITH 11/16" KEY SLOT; THRU 6VA-17087, 8VA-7695, 12VA-2362, 24VA-009.												
		& USE FOR CRANKSHAFT WITH 13/16" KEY SLOT, EFFECTIVE WITH 6VA-17088, 8VA-7696, 12VA-2363, 24VA-010.												
		4.1380 - GEAR, OIL PUMP DRIVE-ON PUMP												
1D,E	**5126348**	* GEAR (64 TEETH)											1	
1D,E	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)											1	
		* EFFECTIVE WITH 12VA-588 AND THRU 12VA-1079; ALSO EFFECTIVE WITH 12VA-1190 AND THRU 12VA-1345; ALSO EFFECT IVE WITH 12VA-3039, 24VA-013.												

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 113	114	115	117	125	127	131	132	136	149	150	157
		4.1001 - PUMP ASSY., OIL												
		SEE ASSEMBLY BREAKDOWN AS INDICATED.												
1A,B,C	**5102019**	+ PUMP ASSY. (R.H.) (PAGE C1)									1			
1A,B,C	**5143052**	PUMP ASSY. (R.H.) (PAGE C1)	1											
1A,B,C	**5131147**	PUMP ASSY. (R.H.) (PAGE C1)		1										
1A,B,C	**5133341**	PUMP ASSY. (R.H.) (PAGE C1)			1									
1F	**5122233**	PUMP ASSY. (L.H.) (PAGE A1)				1						1		
1G	**5198840**	PUMP ASSY. (R.H.) (SCAV.) (PAGE B1)					1			1				
1A,B,C	**5136787**	PUMP ASSY. (R.H.) (PAGE C1)						1						
1A,B,C	**5146588**	PUMP ASSY. (R.H.) (PAGE C1)							1					
1A,B,C	**5106736**	PUMP ASSY. (R.H.)											1	1
	8927270	STUD, 3/8"-16-24X1.62" (12.9117)				2	2			2				
	103197	STUD, 3/8"-16-24X1 13/16" (12.9117)				2	2			2				
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)		2	2									
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							2		2			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2					2					2	2
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)		2	2									
1B	**179893**	BOLT, 1/2"-13X3" (12.9001)							2		2			
	190770	BOLT, 1/2"-13X3 1/4" (12.9001)		4	4									
	186659	BOLT, 1/2"-13X3 3/4" (12.9001)							4		4			
1C	**442734**	BOLT, 1/2"-13X4" (12.9001)	6					6					6	6
	103341	WASHER, 3/8" (12.9190)	2					2					2	2
	103343	WASHER, 1/2" (12.9190)	6					6					6	6
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)	6	6	6			6	6		6		6	6
	103026	NUT, 3/8"-24 HEX. (12.9120)				4	4			4		4		
		+ NOT SERVICED. USE 5146588.												
		4.1004 - SEAL, CRANKSHAFT OIL-FRONT												
	5115454	SEAL, OIL (SGL. LIP) (.500" WIDE) (1.3040)	1	1	1			1	1		1		1	1
		4.1006 - PLATE, OIL PUMP MOUNTING												
1C	**5106283**	PLATE											1	
	9409620	BOLT, 7/16"-14 X 1 1/8" AA LK.											4	
		4.1007 - GASKET, OIL PUMP TO CYLINDER BLOCK												
1A,B,C	**5121714**	GASKET (1.3170)	1	1	1			1	1		1		1	1
		4.1030 - SHIM, OIL PUMP												
1F,G	**5183323**	SHIM, .005"				1	1			1		1		
1F,G	**5185319**	SHIM, .010"				1	1			1		1		
1F,G	**5185318**	SHIM, .015"				1	1			1		1		
		4.1222 - FLANGE, OIL PUMP COVER												
1E,F	**5121926**	FLANGE										1		
	8927580	BOLT, 3/8"-16X1.015" (12.9001)										2		
	103321	LOCKWASHER, 3/8" (12.9200)										2		

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 113	114	115	117	125	127	131	132	136	149	150	157
		4.1232 - GASKET, OIL PUMP COVER FLANGE												
1E,F	**5123235**	GASKET (2.44"B.C.)				1						1		
		4.1290 - COVER, OIL PUMP PAD												
1E,F,G	**5122680**	COVER (2.40"B.C.) (SIDE)					1			1		1		
1E,F,G	**5121926**	COVER(2.44"B.C.)(OIL PUMP)(4.1222)				1								
1E,F,G	**5123662**	COVER (2.88"B.C.) (SIDE)				1						1		

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 113	114	115	117	125	127	131	132	136	149	150	157
		4.1290 - COVER, OIL PUMP PAD (CONT'D)												
1E,F,G	**5123949**	COVER (INCLUDES NUT) (2.7630)					1							
	180078	BOLT, 5/16"-18X7/8" (12.9001)					2							
	5103534	BOLT, 5/16"-24X1/2" (IN COVER) (1.7227)					1							
1F	**8927580**	BOLT, 3/8"-16X1.015" (12.9001)				4	2			2		4		
	5155596	WASHER, 5/16" COPPER (12.9190)					1							
	103320	LOCKWASHER, 5/16" (12.9200)					2							
	103321	LOCKWASHER, 3/8" (12.9200)				AR	2			2		4		
		4.1300 - GASKET, OIL PUMP PAD COVER												
1E,F,G	**5123241**	GASKET (4.1520)				1						1		
1E,F,G	**5123240**	GASKET					1			1		1		
1E,F,G	**8922593**	GASKET (2.7650)					1							
		4.1310 - GEAR, OIL PUMP DRIVE-ON CRANKSHAFT												
1A,B,C	**5136777**	GEAR (37 TEETH)	1					1					1	1
1A,B,C	**5117020**	GEAR (37 TEETH)		1	1				1		1			
1A,B,C	**5121958**	GEAR (79 TEETH)					1							
1A,B,C	**5124646**	GEAR (86 TEETH)				1								
1A,B,C	**5125958**	GEAR (86 TEETH)								1		1		
1G	**5126171**	SPACER					1			1				
	5129881	BOLT, 5/16"-24X2" HEX. SOC.				6								
		4.1380 - GEAR, OIL PUMP DRIVE-ON PUMP												
1D,E	**5126348**	GEAR (64 TEETH)										1		
1D,E	**5127577**	GEAR (57 TEETH) (4.1200)				1								
1D,E	**5162749**	GEAR (57 TEETH)								1				
1D,E	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)				1						1		
	223622	BOLT, 7/16"-20X4" (12.9001)								1				
	5104439	WASHER (6.1001)								1				

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 159	160	161	183
		4.1001 - PUMP ASSY., OIL				
		SEE ASSEMBLY BREAKDOWN AS INDICATED.				
1F	**5122233**	PUMP ASSY. (L.H.) (PAGE A1)	1	1		
1F	**5122230**	PUMP ASSY. (L.H.) (SCAVENGING) (PAGE A1)			1	
1F	**8924332**	PUMP ASSY. (R.H.) (SCAVENGING) (PAGE A1)				1
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4
	103026	NUT, 3/8" (12.9120)	4	4	4	4
		4.1030 - SHIM, OIL PUMP				
1F,G	**5183323**	SHIM, .005"	1	1	1	1
1F,G	**5185319**	SHIM, .010"	1	1	1	1
1F,G	**5185318**	SHIM, .015"	1	1	1	1
		4.1222 - FLANGE, OIL PUMP COVER				
1E,F	**5121926**	FLANGE	1	1		
1E,F	**8927580**	BOLT, 3/8"-16X1.015" (12.9001)	2	2		
1E,F	**103321**	LOCKWASHER, 3/8" (12.9200)	2	2		
		4.1232 - GASKET, OIL PUMP				
1E,F	**5123235**	GASKET (2.44" B.C.)	1	1		
		4.1290 - COVER, OIL PUMP PAD				
1E,F,G	**5123661**	COVER (2.76" B.C.) (LOWER)	1			
1E,F,G	**5122680**	COVER (2.40" B.C.) (SIDE)	1	1	1	1
1E,F,G	**5123662**	COVER (2.88" B.C.) (SIDE)	1			
1F,G	**8927580**	BOLT, 3/8"-16X1.015" (12.9001)	4	4	2	2
1F,G	**103321**	LOCKWASHER, 3/8" (12.9200)	4	4	2	2
		4.1300 - GASKET, OIL PUMP PAD COVER				
1E,F,G	**5123660**	GASKET (2.76" B.C.)	1			
1E,F,G	**5123240**	GASKET (2.40" B.C.)	1	1	1	1
1E,F,G	**5123241**	GASKET (2.88" B.C.) (4.1520)	1			
		4.1310 - GEAR, OIL PUMP DRIVE (ON CRANKSHAFT)				
	5125958	GEAR (86 TEETH)	1	1	1	1
		4.1380 - GEAR, OIL PUMP DRIVE (ON PUMP)				
1D,E	**5127577**	GEAR (57 TEETH) (4.1200)	1	1	1	
1D,E	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)	1	1	1	

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.1001 - PUMP ASSY., OIL														
1D	**5122230**	PUMP ASSY. (SCAVENGING) 12V71	1													
1D	**5122233**	PUMP ASSY. 12V71		1												
1D	**5126231**	* PUMP ASSY. (SCAVENGING) 6V71			1											
1D	**5131607**	PUMP ASSY. (R.H., SCAVENGING, 1.2:1) 12V71							1							
1D	**5131818**	# PUMP ASSY. 12V71									1					
1D	**5140754**	PUMP ASSY. (R.H., SCAVENGING, 1.2:1) 12V71								1						
1D	**5162712**	@ PUMP ASSY. (R.H., SCAVENGING, 1.5:1) 8V71					1									
1D	**5162734**	& PUMP ASSY. (R.H., SCAVENGING, 1.2:1) 6V71						1								
1D	**5179074**	% PUMP ASSY. (L.H., SCAVENGING, 1.5:1) 12V71				1										
1D	**5198987**	PUMP ASSY. (R.H.) 12V71										1				
		* NOT SERVICED, IF REPLACEMENT IS NECESSARY, USE PUMP ASSY. 5162734 SHOWN IN TYPE 69.														
		# NOT SERVICED; USE 5198987 AND INCLUDE (1) 5126348 GEAR AND (1) 124549 KEY.														
		@ NOT SERVICED; USE 5198840 PUMP ASSY. AND INCLUDE (1) 5162749 GEAR, (1) 5188273 WASHER, (1) 223622 BOLT TO ASSURE INTERCHANGEABILITY.														
		& NOT SERVICED; USE 5198840 PUMP ASSY. AND INCLUDE (1) 5162750 GEAR, (1) 5188273 WASHER, (1) 223622 WASHER TO ASSURE INTERCHANGEABILITY.														
		% OBSOLETE														
		4.1040 - BODY, OIL PUMP														
		A BODY ASSY. INCLUDES BUSHINGS.														
1D	**5126349**	BODY ASSY. (PRESSURE)	1	1		1		1	1	1						
1D	**5109986**	BODY ASSY. (PRESSURE)			1		1	1								
1D	**5121922**	BODY ASSY. (SCAVENGING)	1													
1D	**5145463**	BODY ASSY. (SCAVENGING)			1		1	1								
1D	**5179043**	BODY ASSY. (SCAVENGING)				1			1	1						
1D	**5129439**	BODY ASSY.									1	1				
1D	**9409914**	BOLT, 3/8"-16X4 1/4" (12.9001)			4		4	4								
1B	**192883**	BOLT, 3/8"-16X5 1/4" (12.9001)	5			5			5	5						
1B	**103321**	LOCKWASHER, 3/8" (12.9200)	5		4	5	4	4	5	5						
		* NOT SERVICED, IF REPLACEMENT IS NECESSARY, USE PUMP ASSY. 5162734 SHOWN IN TYPE 69.														

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.1050 - BUSHING, OIL PUMP BODY														
1B,C	5127978	BUSHING	6	4	6	6	2	2	6	6	4	6				
1B	5128877	BUSHING					4	4								
		4.1060 - SPACER, OIL PUMP BODY														
1B	5121929	SPACER	1		1	1	1	1	1	1						
1B	5126081	SPACER														
		4.1070 - SHAFT, OIL PUMP DRIVE														
1B	5126351	SHAFT	1			1			1	1						
1B	5121938	* SHAFT		1												
1B	5126350	@ SHAFT		1							1	1				
1C	5126076	SHAFT			1											
1B	5162711	SHAFT					1	1								
		* THRU 12VA-587.														
		@ EFFECTIVE WITH 12VA-588.														
		4.1080 - SHAFT, OIL PUMP DRIVEN GEAR														
1B	5126351	SHAFT	1			1			1	1						
1C	5121938	* SHAFT		1												
1C	5126350	@ SHAFT		1							1	1				
1B	5126076	SHAFT			1											
1B	5162710	SHAFT					1	1								
		* THRU 12V-587.														
		@ EFFECTIVE WITH 12VA-588.														
		4.1092 - GEAR, OIL PUMP														
1B	5121931	GEAR (2.793"L.,L.H. HELIX)	2	1		2			2	2	1	1				
1B	5121932	GEAR (2.793"L.,R.H. HELIX)	2	1		2			2	2	1	1				
1C	5126050	GEAR (1.793"L.,L.H. HELIX)			2		2	2								
1C	5126051	GEAR (1.793"L.,R.H. HELIX)			2		2	2								
	124549	KEY, 3/16"X3/4" WOODRUFF	5	2	7	4	4	4	4	4	2	2				
		4.1220 - COVER, OIL PUMP														
		A COVER ASSY. INCLUDES BUSHINGS IN 4.1240.														
1C	5121924	COVER ASSY.		1							1	1				
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)		5							5	5				

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.1220 - COVER, OIL PUMP (CONT'D)														
	103321	LOCKWASHER, 3/8" (12.9200)		5							5	5				
		4.1240 - BUSHING, OIL PUMP COVER														
	5127978	BUSHING (4.1050)		2								2				
		4.1380 - GEAR, OIL PUMP DRIVE (ON PUMP)														
1B	**5162750**	& GEAR (64 TEETH)						1								
1B	**5126348**	* # GEAR (64 TEETH)		1	1				1	1	1					
1B	**5127577**	@ % GEAR (57 TEETH)				1										
1B	**5162749**	+ GEAR (57 TEETH)					1									
1B	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)			1	1			1		1					
	5104439	WASHER, RETAINING					1	1								
	223622	BOLT, 7/16"-20X4" (12.9001)					1	1								

* EFFECTIVE WITH 12VA-588 AND THRU 12VA-1079; ALSO EFFECTIVE WITH 12VA-1190 AND THRU 12VA-1345; ALSO EFFECTIVE WITH 12VA-3039, 24VA-013.

@ EFFECTIVE WITH 12VA-1080 AND THRU 12VA-1189, ALSO EFFECTIVE WITH 12VA-1346, 24VA-001 AND THRU 12VA-3038, 24VA-012.

& EFF. WITH 6VA-18724

\# THRU 6VA-18723

% THRU 8VA-4709

\+ EFF. WITH 8VA-4710

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.1001 - PUMP ASSY., OIL														
1B	5128905	PUMP ASSY. (R.H., SCAVENGING) 16V71	1													
1B	5128906	PUMP ASSY. (L.H., SCAVENGING) 16V71		1												
1C	5129876	PUMP ASSY. (R.H.) 16V71			1											
1C	5129877	PUMP ASSY. (L.H.) 16V71				1										
1B	5131560	PUMP ASSY. (R.H., SCAVENGING, 1.4:1) 16V71					1									
1B	5138534	* PUMP ASSY. (L.H., SCAVENGING, 1.41:1) 16V71 (5128906)						1								
1B	5138340	* PUMP ASSY. (R.H., SCAVENGING) 16V71 (5128905)							1							
1B	5198840	PUMP ASSY. (R.H., SCAVENGING) 6V71								1						
	5106736	PUMP ASSY. (R.H., SCAVENGING) (12V71)									1					
		* NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.														
		4.1040 - BODY, OIL PUMP														
1C	5128242	BODY ASSY. (PRESSURE) (INCLUDES BUSHINGS)	1	1	1	1	1	1	1							
1B	5128244	BODY ASSY. (SCAVENGING) (INCLUDES BUSHINGS)	1	1			1	1	1							
	5109986	BODY ASSY. (PRESSURE)								1						
	5145463	BODY ASSY. (SCAVENGING) (INCLUDES BUSHINGS)								1						
	5106744	BODY ASSY. (PRESSURE) (INCLUDES DOWEL)									1					
	5106737	BODY (SCAVENGING)									1					
	5106742	DOWEL, 1.24" L. (12.9280)									1					
	5145009	PLUG, 1/8" PIPE (12.9550)									1					
	186271	BOLT, 5/16"-18 X 3 3/4" (12.9001)									9					
	9409024	BOLT, 5/16"-24 X 2" (4.1001)									1					
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)								4						
1B	215510	BOLT, 3/8"-16X5 3/4" (12.9001)	4	4			4	4	4							
	446202	WASHER, 5/16" X 3/4" (12.9190)									9					
	106261	WASHER, 5/16" X 3/4" (12.9190)									9					
	5131433	WASHER, SPL. .41" X .81" X .14"									1					
1B	103321	LOCKWASHER, 3/8" (12.9200)	4	4			4	4	4							
		4.1050 - BUSHING, OIL PUMP BODY														
	5128877	BUSHING	6	6	4	4	6	6	6	4						
	5127978	BUSHING								2						
		4.1060 - SPACER, OIL PUMP BODY														
1B	5128878	SPACER	1	1			1	1	1							
1B	5126081	SPACER								1						
		4.1070 - SHAFT, OIL PUMP DRIVE														
1C	5128879	SHAFT	1	1			1	1	1							
1C	5129886	SHAFT			1											
1C	5129887	SHAFT (4.1080)				1										
1C	5162711	SHAFT								1						

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.1080 - SHAFT, OIL PUMP DRIVEN GEAR														
1C	**5128880**	SHAFT	1	1			1	1	1							
1C	**5129887**	SHAFT			1											
1C	**5129886**	SHAFT (4.1070)				1										

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.1080 - SHAFT, OIL PUMP DRIVEN GEAR (CONT'D)														
1C	**5162710**	SHAFT								1						
		4.1090 - GEAR, OIL PUMP DRIVE														
	5143228	GEAR									1					
	5143239	GEAR									1					
		4.1092 - GEAR, OIL PUMP														
	5126050	GEAR (1.793"L., L.H. HELIX) (4.1090)								2						
	5126051	GEAR (1.793" R.H., HELIX) (4.1200)								2						
1C	**5128321**	GEAR (3.1000"L.,L.H. HELIX) (4.1090)	2	2	1	1	2	2	2							
1C	**5128322**	GEAR (3.1000"L.,R.H. HELIX) (4.1090)	2	2	1	1	2	2	2							
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)	3	3	2	2	3	3	3	3						
		4.1200 - GEAR, OIL PUMP DRIVEN														
		A GEAR ASSY. INCLUDES BUSHING IN 4.1210.														
	5106746	GEAR ASSY.									1					
	5106745	GEAR ASSY.									1					
		4.1210 - BUSHING, OIL PUMP DRIVEN GEAR														
	5143290	BUSHING									2					
	5143236	BUSHING									2					
		4.1220 - COVER, OIL PUMP														
		A COVER ASSY. INCLUDES BUSHINGS IN 4.1240.														
1C	**5129889**	COVER ASSY.			1	1										
	5106741	PLATE ASSY.									1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			4	4										
	103321	LOCKWASHER, 3/8" (12.9200)			4	4										
		4.1240 - BUSHING, OIL PUMP COVER														
	5128877	BUSHING (4.1050)			2	2										
		4.1250 - VALVE, OIL PRESSURE RELIEF														
	5175564	VALVE (PRESSURE AND RELIEF) (4.1700)									1					
		4.1260 - SPRING, OIL PUMP RELIEF VALVE														
	5126327	SPRING (4.1690)									1					
	5126326	SPRING (4.1690)									1					

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.1270 - PLUG, OIL PUMP RELIEF VALVE														
	5130785	PLUG									1					
		4.1275 - CUP, OIL PUMP RELIEF VALVE SPRING RETAINING														
	5126325	SEAT (4.1710)									1					
		4.1280 - GASKET, OIL PUMP RELIEF VALVE														
	5137086	GASKET									1					
		4.1380 - GEAR, OIL PUMP DRIVE (ON PUMP)														
1B	**5128323**	GEAR (61 TEETH)	1	1	1	1		1	1							
1B	**5131552**	GEAR (61 TEETH)					1									
1B	**5162750**	GEAR (64 TEETH)								1						
1B	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)	1	1	1	1	1	1	1							
	223622	BOLT, 7/16"-20X4" (12.9001)								1						
	5104439	WASHER, 7/16" (6.1001)								1						

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.1001 - PUMP ASSY., OIL														
	5117608	PUMP ASSY. (L.H.) 6 & 8V71	1													
	5117609	+ PUMP ASSY. (R.H.) 6 & 8V71 (5146588)		1												
	5131147	PUMP ASSY. (R.H.) 8V71			1											
	5131533	+ PUMP ASSY. (R.H.) 6V71 (5146587)				1										
	5133341	PUMP ASSY. (R.H.) 6V71					1									
	5143052	PUMP ASSY. (R.H.) 12V71						1								
	5136787	PUMP ASSY. (R.H.) 8V71							1							
	5146588	PUMP ASSY. (R.H.) 6V71								1						
	5102019	+ PUMP ASSY. (R.H.) 6 & 8V71 (5146588)									1					
	8924332	PUMP ASSY. (R.H.)										1				
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.														
		4.1040 - BODY, OIL PUMP														
		AN ASSEMBLY INCLUDES SHAFT IN 4.1080.														
1A	**5117610**	BODY ASSY. (L.H.)	1													
1A	**5146585**	BODY ASSY. (R.H.) (INCLUDES PLUG)		1		1				1						
1A	**5131148**	BODY ASSY. (R.H.)			1											
	5133342	BODY ASSY.					1									
	5143053	BODY ASSY. (SCAVENGING)						1								
	5143051	BODY ASSY. (PRESSURE) (INCLUDES DOWEL)						1								
	5136773	BODY ASSY. (R.H.)							1							
	5126349	BODY ASSY. (R.H.)										1				
	5179043	BODY ASSY. (SCAVENGING) (INCLUDES BUSHING)										1				
	5143033	DOWEL (1.7004)						1								
	5102020	+ BODY ASSY. (5146585)									1					
	5150014	PLUG, 1 1/4" CUP (OIL FILLER HOLE) (1.1001)		1		1				1	1					
	179826	BOLT, 5/16"-18X2" (12.9001)						7				5				
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)						7				5				
	120393	WASHER, 5/16" (12.9190)														
	103321	LOCKWASHER, 3/8" (12.9200)														
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.														
		4.1050 - BUSHING, OIL PUMP BODY														
	5127978	BUSHING										6				
		4.1060 - SPACER, OIL PUMP BODY														
	5136786	SPACER							1							
	5121929	SPACER										1				
		4.1070 - SHAFT, OIL PUMP DRIVE														
	5126351	SHAFT										2				
		4.1080 - SHAFT, OIL PUMP DRIVEN GEAR														
1A	**5117466**	SHAFT	1	1	1	1	1			1	1					

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.1090 - GEAR, OIL PUMP DRIVE														
	5117587	GEAR (1.302" WIDE)	1	1	1					1	1					
	5126670	GEAR (.981" WIDE)				1	1									
	5143228	GEAR						1								
	5143239	GEAR						1								
	5136796	GEAR							2							
		4.1092 - GEAR, OIL PUMP														
	5121932	GEAR (4.1090)										1				
	5121931	GEAR (4.1090)										1				
	124549	KEY, 3/16"X3/4" (12.9350)										2				

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.1095 - *GEAR SET, OIL PUMP*														
		A SET INCLUDES ITEMS IN 4.1090 AND 4.1200.														
1A	**5196602**	GEAR SET (1.302" WIDE)	1	1	1											
1A	**5196603**	GEAR SET (.981" WIDE)				1	1									
		4.1200 - GEAR, OIL PUMP DRIVEN														
		A GEAR ASSY. INCLUDES BUSHING WHICH IS NOT SOLD SEPARATELY.														
	5117588	GEAR ASSY. (1.302" WIDE)	1	1	1					1	1					
	5126669	GEAR ASSY. (.981" WIDE)				1	1									
	5143230	GEAR						1								
	5143238	GEAR						1								
	5136798	GEAR							2							
		4.1220 - COVER, OIL PUMP														
1A	**5117600**	COVER (L.H.)	1													
1A	**5117599**	COVER (R.H.)		1	1	1	1			1	1					
	5143049	COVER & SHAFT ASSY. (INCLUDES DOWEL AND PLUG)						1								
	5136776	COVER & SHAFT ASSY. (INCLUDES DOWEL PINS)							1							
	5175630	DOWEL (1.1001)						1								
	141212	PIN, DOWEL 5/16"X5/16" (12.9290)							1							
	5151576	PIN, DOWEL 1/2"X1 3/8" (1.1001)							2							
	8924380	PLUG, 1/8"-27 PIPE (W/SEAL) (12.9550)						1								
1A	**9409011**	BOLT, 5/16"-18X3/4" LOCK (12.9117)	8	8	8	8	8			8	8					
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)						3								
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)							3							
	5155596	WASHER, 5/16" (4.7120)						3								
	103341	WASHER, 3/8" (12.9190)							3							
	5150568	WASHER, 7/16" (2.4050)							3							
		4.1230 - GASKET, OIL PUMP COVER														
	5143058	SEAL						1								
	5115454	SEAL (1.3040)						1								
	5135344	SEAL							2							
	5136638	SLINGER (1.3050)						1	1							
		4.1250 - VALVE, OIL PUMP RELIEF														
	5175564	VALVE (PRESSURE AND RELIEF) (4.1700)						1	1							

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.1260 - SPRING, OIL PUMP RELIEF VALVE														
	5126327	SPRING (4.1690)						1	1							
	5126326	SPRING (4.1690)						1	1							
		4.1270 - PLUG, OIL PUMP RELIEF VALVE														
	5137085	PLUG						1	1							
		4.1275 - CUP, OIL PUMP RELIEF VALVE SPRING RETAINING														
	5126325	SEAT (4.1701)						1	1							
		4.1280 - GASKET, OIL PUMP RELIEF VALVE														
	5137086	GASKET						1	1							
		4.1380 - GEAR, OIL PUMP DRIVE (ON PUMP)														
	5127577	GEAR										1				
	124549	KEY, 3/16"X3/4" (12.9350)										1				

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 176	178	179	180	181	182	183	189	191	193	197	201
		4.1510 - PIPE, OIL PUMP INLET												
2A	5121792	@ PIPE (12V)	1											
2B,C	5117628	PIPE (30 DEG. OIL PAN) (6V,8V)		1										
2B	5117338	PIPE (16 DEG. OIL PAN) (6V,8V)			1	1								
2B	5125904	PIPE (6V,8V)					1				1			
	5123354	@ PIPE (12V)						1						
2B	5117814	PIPE (45 DEG. OIL PAN)(6V)							1					
2B	5124710	PIPE (6V)										1		
2B	5126133	PIPE (SCAVENGING)(6V)											1	
2B,C	8921950	PIPE (6V)												1
	5126132	ADAPTOR											1	
	5101194	PLATE, BAFFLE (SCAVENGING)											1	
2C	5126320	SUPPORT (OIL PUMP SCREEN)	1	1	1	1	1	1	1	1	1	1		1
	5126319	FLANGE (1.50"I.D.)	1	1	1	1	1	1	1	1	1	1		1
	179816	BOLT, 5/16"-18X3/4" (12.9001)											2	
	220427	BOLT, 5/16"-18X2 1/4" (SELF-LOCKING)											2	
	179839	BOLT, 3/8"-16X1" (12.9001)						2						
2C	5148481	BOLT, 3/8"-16 X 1 3/8" (12.9001)		2	2						2			
	9409215	BOLT, 3/8"-16X1 1/4" LOCK (12.9001)	2							2				
2C	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							2		2	2		2
2C	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				2	2							
	9409231	BOLT, 3/8"-16X1 1/2" (12.9001)											2	
2C	181377	BOLT, 3/8"-24X1 3/4" (12.9001)		2			2		2			2		
2C	181381	BOLT, 3/8"-24X2 1/2" (12.9001)			2	2								
2C	186627	BOLT, 3/8"-24X2 3/4" (12.9001)												2
	120393	WASHER, 5/16" (12.9190)											AR	
	103341	WASHER, 3/8" FLAT (12.9190)	AR						AR	AR		AR		AR
	103320	LOCKWASHER, 5/16" FLAT (12.9200)											2	
2C	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR		AR	AR		AR
2C	117049	NUT, 3/8"-24 HEX. (12.9120)		2	2	2	2		2					2
		@ OBSOLETE.												
		4.1520 - GASKET, OIL PUMP INLET PIPE												
2C	5123241	GASKET (AT PUMP)	1					1						
2C	5167380	GASKET (AT SCREEN COVER)		1	1	1	1	2	2		1	2		1
2C	5117242	GASKET (AT PUMP)		1	1	1	1		1		1	1		1
2C	5126161	GASKET (AT PUMP)											2	
		4.1530 - SCREEN, OIL PUMP INLET												
2A,B,C	5153286	SCREEN	2	1	1	1	1	1	1	2	1	1		1
2B,C	5126143	SCREEN						1		*			2	
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT												
2B,C	5125815	BRACKET (1.18"L.)			2	2								
2B,C	5125541	BRACKET (1.72"L.)			2	2								
2A,B,C	5124780	BRACKET (2.06"L.)										4		

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 176	178	179	180	181	182	183	189	191	193	197	201
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT (CONT'D)												
2C	**8922353**	BRACKET (1.90"L.)												4
2A,C	**5123355**	BRACKET (2.75"L.)						1						
2C	**5125920**	BRACKET (4.12"L.)		4					1					
2B,C	**5125912**	BRACKET (4.40"L.)					2				2			
2A	**5117052**	* BRACKET (4.80"L.)	2						1					
2B,C	**5109540**	BRACKET (7.27"L.)							1					
2C	**179816**	BOLT, 5/16"-18X3/4" (12.9001)						2						
2C	**179838**	BOLT, 3/8"-16X7/8" (12.9001)	2		2	2					2			2
	5148480	BOLT, 3/8"-16 X 7/8" (12.9001)		2					2		2			
2C	**179835**	BOLT, 3/8"-16X5/8" (12.9001)										2		
2C	**179839**	BOLT, 3/8"-16X1" (12.9001)		2			2		2					
2C	**186627**	BOLT, 3/8"-24X1" (12.9001)										2		
	106286	BOLT, 3/8"-24X1 1/8" (12.9001)		2	2	2	2	2	1		2			3
2C	**181377**	BOLT, 3/8"-24X1 3/4" (12.9001)	1								2			
	103341	WASHER, 3/8" FLAT (12.9190)		AR	AR	AR	AR		AR		AR			AR
2C	**103320**	LOCKWASHER, 5/16" (12.9200)						AR	1					3
	117049	NUT, 3/8"-24 HEX. (12.9120)	AR								2			
		* OBSOLETE												
	192481	NUT, 3/8"-24 HEX. (12.9120)		2	2	2	2		1		2	2		1
		4.1550 - COVER, OIL PUMP INLET SCREEN												
2A,B,C	**5118302**	COVER	2	1	1	1	1	1	1	1	1	1		1
	179839	BOLT, 3/8"-16X1" (12.9001)	2											
	186627	BOLT, 3/8"-24X1" (12.9001)	2											
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)						2				2		
	103321	LOCKWASHER, 3/8" (12.9200)	2					2				2		
	102635	NUT, 3/8"-16 HEX. (12.9120)	2											
	117049	NUT, 3/8"-24 HEX. (12.9120)	2	1	1	1	1	1	1	1	1	1		1
		4.1560 - RETAINER, OIL PUMP INLET PIPE SCREEN												
2A,B,C	**5153284**	RETAINER	2	1	1	1	1	1	1	1	1	1		1
		4.1580 - PIPE, OIL PUMP OUTLET												
2A	**5121927**	# PIPE (SCAVENGING) (5140999)	1											
	179839	BOLT, 3/8"-16X1" (12.9001)	2											
	103321	LOCKWASHER, 3/8" (12.9200)	AR											
		# NO LONGER AVAILABLE, FOR SERVICE USE ASSEMBLY SHOWN IN PARENTHESES.												
		4.1590 - GASKET, OIL PUMP OUTLET PIPE												
	5123235	GASKET (4.1232)	1											

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4.10008 OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 176	178	179	180	181	182	183	189	191	193	197	201
		4.1597 - TUBE, OIL PRESSURE GAGE												
	5118781	TUBE				1	1	1			1			
	141539	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)				1	1	1	1		1	1		
	1608350	FITTING, 1/8" RESTRICTION				1	1	1			1			
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)				1	1	1						
		4.1660 - PIPE, BLOWER DRIVE BEARING OIL												
*	5117718	PIPE, 5/16"X2 1/4"L. (TO BLOWER)	1			1	1		1			1	1	1
*	5117717	PIPE, 5/16"X4"L. (TO BLOWER)		1							1			
	5144410	@ + CONNECTOR ASSY.	1			1	1		1			1	1	1
*	114629	# CONNECTOR, 5/16" BALL SLEEVE (12.9410)	1	1		1	1		1		1	1	1	1
*	114631	# SLEEVE, 5/16" BALL (12.9430)	1	1		1	1		1		1	1	1	1
*	5124519	# + RING, SEAL (1/8"X5/16") (3.4350)	1	1	1	1	1	1	1	1	1	1	1	1
	5144424	@ + RING, SEAL	1			1	1		1			1	1	1
	5144409	@ ADAPTOR			1			1		1				
*	5124520	# + WASHER, SEAL (3.4180)	1	1	1	1	1	1	1	1	1	1	1	1
*	114630	# NUT, 5/16" BALL SLEEVE (12.9440)	1	1		1	1		1		1	1	1	1

* FIG. 4A OF 3.0000.
\+ REFERENCE ONLY; SHOWN IN 3.4180.
\# THRU 6VA-54603, 8VA-107423, 12VA-20732, 16VA-5164.
@ EFFECTIVE WITH 6VA-54604, 12VA-20733.

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 202	203	204	205	206	214	215	218	219	223	224
		4.1510 - PIPE, OIL PUMP INLET											
2B,C	**8921950**	PIPE (6V)							1				
2B,C	**5125695**	PIPE (8V)	1	1									
2B,C	**5125904**	PIPE (6-8V)			1								
2A	**5125760**	PIPE (12V)				1	1						
2B	**5125831**	PIPE (12V)						1					
2A	**5128250**	PIPE (12V)								1			
2A	**5128183**	PIPE (SCAVENGING PUMP INLET) (8V)									1		
	5128203	PIPE (8V)									1		
2B	**5127274**	PIPE (6V)										1	
	5129781	PIPE, SCAVENGING (16V)											1
	5128872	PIPE (16V)											1
	5128204	BAFFLE (SCAVENGING INLET PIPE)(8V)									1		
2C	**5126320**	SUPPORT (OIL PUMP SCREEN)	1		1	2	1	1	1	2			2
	5128932	SUPPORT											4
	5128876	SUPPORT SCAVENGING INLET PIPE											2
	5126319	FLANGE (1.50" I.D.)	1		1	2	1	1	1	2			
	5128874	FLANGE (2.00" I.D.)											2
	5134455	CLIP, INLET PIPE SUPPORT											2
	186643	BOLT, 5/16"-18X2-11/16" (12.9001)									2		
	179835	BOLT, 3/8"-16X3/4" (12.9001)											4
	180120	BOLT, 3/8"-16X3/4" (12.9001)				2				2	2		2
	179838	BOLT, 3/8"-16X7/8" (12.9001)				2		2	2				2
	179839	BOLT, 3/8"-16X1" (12.9001)				2	2			2			
2C	**5148481**	BOLT, 3/8"-16 X 1 3/8" (12.9001)										2	2
2C	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	2		2	2				2			
	9409215	BOLT, 3/8"-16X1 1/4" (12.9001)				2				2			
2C	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)							2				3
	179847	BOLT, 3/8"-16X2" (12.9001)									2		3
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)		2								2	
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)									1		1
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)											1
2C	**181377**	BOLT, 3/8"-24X1 3/4" (12.9001)	2	2									4
2C	**181384**	BOLT, 3/8"-24X2 3/4" (12.9001)						2	2				
	120393	WASHER, 5/16" (12.9190)									AR		
	103341	WASHER, 3/8" FLAT (12.9190)		AR		AR			AR	AR	AR		AR
	103320	LOCKWASHER, 5/16" FLAT (12.9200)									2		
2C	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	123221	NUT, 3/8"-16 HEX. (12.9120)		2								2	
	123479	NUT, 3/8"-16 HEX. (12.9125)											5
	102635	NUT, 3/8"-16 HEX. (12.9120)											2
2C	**117049**	NUT, 3/8"-24 HEX. (12.9120)			2			2	2				4
	192481	NUT, 3/8"-24 HEX. (12.9140)									1		
		4.1520 - GASKET, OIL PUMP INLET PIPE											
2C	**5123241**	GASKET (AT PUMP)				1	1	1		1			
2C	**5167380**	GASKET (AT SCREEN COVER)	1	1	1	3		1	1	1		1	
2C	**5117242**	GASKET (AT PUMP)	1	1	1							1	

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 202	203	204	205	206	214	215	218	219	223	224
		4.1520 - GASKET, OIL PUMP INLET PIPE (CONT'D)											
2C	5123235	GASKET (AT PUMP) (4.1232)						1					
	5126160	GASKET (AT SCAVENGING PUMP)									1		
	5128875	GASKET (AT SCAVENGING PUMP)											1
	5128891	GASKET											3
2C	5126161	GASKET (AT PUMP)									2		
		4.1530 - SCREEN, OIL PUMP INLET											
2A,B,C	5153286	SCREEN	1		1	2	1	1	1	2			2
2B,C	5126143	SCREEN									2		
2A,B,C	5101176	SCREEN		1								1	
2A,B,C	5175705	SPACER, 13/32" X 7/8" X 1" (8.3826)		2								2	2
	9409010	BOLT, 5/16"-18X5/8" LOCK									4		
	120393	WASHER, 5/16" FLAT (12.9190)									4		
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT											
2A,C	5176400	BRACKET (1.34"L.) (4.8010)								2			
2A,B,C	5124780	BRACKET (2.06"L.)				4	4			4			
2C	8922353	BRACKET (1.90"L.)							4				
2B,C	5125802	BRACKET (3.06"L.)						2					
2C	8922250	BRACKET (UPPER)	2	1									
2C	5130334	BRACKET (4.08"L.)	2	2									
2B,C	5125912	BRACKET (4.40"L.)			2								
2B,C	5128144	BRACKET (4.43"L.)									2		
2B,C	5130336	BRACKET (4.44"L.)			2								
2B	5127307	BRACKET (7.94"L.)										2	
2C	179838	BOLT, 3/8"-16X7/8" (12.9001)	2	2		2				2		2	
	5148480	BOLT, 3/8"-16 X 7/8"		2	2						2	2	
2C	180120	BOLT, 3/8"-16X3/4" (12.9001)					2	2					
2C	179839	BOLT, 3/8"-16X1" (12.9001)			2								
2C	186627	BOLT, 3/8"-24X1" (12.9001)				1							
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)	2	2	1	2	2		1	2	1		
2C	181374	BOLT, 3/8"-24X1 1/2" (12.9001)					2						
2C	181377	BOLT, 3/8"-24X1 3/4" (12.9001)								2			
	103341	WASHER, 3/8" FLAT (12.9190)	AR	AR	AR	AR	AR		AR	AR	AR		
2C	103320	LOCKWASHER, 5/16" (12.9200)							AR				
2C	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR		AR	AR		AR		AR	
	117049	NUT, 3/8"-24 HEX. (12.9120)				AR				AR			
	192481	NUT, 3/8"-24 HEX. (12.9120)	2	2	1	2	2		1	2	1		
		4.1550 - COVER, OIL PUMP INLET SCREEN											
2A,B,C	5118302	COVER	1	1	1	2	1	1	1	2		1	
	5128886	COVER											2
	179839	BOLT, 3/8"-16X1" (12.9001)				2							
	186627	BOLT, 3/8"-24X1" (12.9001)	2	2						2			

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 202	203	204	205	206	214	215	218	219	223	224
		4.1550 - COVER, OIL PUMP INLET SCREEN (CONT'D)											
	103341	WASHER, 3/8" FLAT (12.9190)		4									
	103321	LOCKWASHER, 3/8" (12.9200)	2	2		2				2			
	102635	NUT, 3/8"-16 HEX. (12.9120)				2							
	117049	NUT, 3/8"-24 HEX. (12.9120)	2	2						2			
		4.1560 - RETAINER, OIL PUMP INLET PIPE SCREEN											
2A,B,C	5153284	RETAINER	1		1	2	1	1	1	2		1	2
		4.1575 - BRACKET, OIL PUMP OUTLET PIPE											
	5124826	SUPPORT				2				2			
	5164789	SPACER (5.4025)				1				1			
	180121	BOLT, 3/8"-16X7/8" (12.9001)				2				2			
	186627	BOLT, 3/8"-24X1" (12.9001)				1				1			
	103321	LOCKWASHER, 3/8" (12.9200)				3				3			
	117049	NUT, 3/8"-24 HEX. (12.9120)				1				1			
		4.1580 - PIPE, OIL PUMP OUTLET											
2A	5125610	PIPE (SCAVENGING)				1							
2A	5128253	PIPE (SCAVENGING)								1			
2A	5128870	PIPE (SCAVENGING)											1
	5129924	PIPE (TO JUNCTION BLOCK)											1
	5129906	JUNCTION BLOCK (PUMP TO CYLINDER BLOCK)											1
	179839	BOLT, 3/8"-16X1" (12.9001)				2				2			8
	179849	BOLT, 3/8"-16X2 1/2" (12.9001)											2
	103321	LOCKWASHER, 3/8" (12.9200)				AR				AR			AR
		4.1590 - GASKET, OIL PUMP OUTLET PIPE											
	5123235	GASKET (4.1232)				1				1			
	5117269	GASKET (JUNCTION BLOCK) (4.1730)											2
	5128869	GASKET											1
	2206783	GASKET (5.3360)											2
		4.1597 - TUBE, OIL PRESSURE GAGE											
	5118781	TUBE	1					1	1				1
	141539	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)	1					1	1				1
	189060	BUSHING, 3/4"X1/4" RED. PIPE	1									1	

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 202	203	204	205	206	214	215	218	219	223	224
		4.1597 - TUBE, OIL PRESSURE GAGE (CONT'D)											
		(12.9570)											
	1508350	FITTING, 1/8" RESTRICTION	1					1	1				1
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)	1					1	1				1
		4.1660 - PIPE, BLOWER DRIVE BEARING OIL											
*	5117718	PIPE, 5/16"X2 1/4"L. (TO BLOWER)							1			1	
*	5117717	PIPE, 5/16"X4" L. (TO BLOWER)	1	1	1						1		2
	5144410	@ + CONNECTOR ASSY.							1			1	
*	114629	# CONNECTOR, 5/16" BALL SLEEVE (12.9410)	1	1	1				1		1	1	2
*	114631	# SLEEVE, 5/16" BALL (12.9430)	1	1	1				1		1	1	2
*	5124519	# + RING, SEAL (1/8"X5/16") (3.4350)	1	1	1	1	1	1	1	1		1	2
	5144424	@ + RING, SEAL							1			1	
	5144409	@ ADAPTOR				1	1	1		1			
*	5124520	# + WASHER, SEAL (3.4180)	1	1	1	1	1	1	1	1		1	2
*	114630	# NUT, 5/16" BALL SLEEVE (12.9440)				1	1	1		1			

* FIG. 4A OF 3.0000.
# THRU 6VA-54603, 8VA-107423, 12VA-20732, 16VA-5164.
@ EFFECTIVE WITH 6VA-54604, 12VA-20733.
+ REFERENCE ONLY; SHOWN IN 3.4180.

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2266	2268	2311	2333	2411	2448	2511	2555	2559	2665	2666	2667
		4.1510 - PIPE, OIL PUMP INLET												
2A	5128872	PIPE (16V)	1							1				
2C	8921992	PIPE (6V)			1									
2A	5109441	PIPE (16V)				1								
2B	5109369	PIPE (SCAVENGING) (16V)				1								
2B,C	5128311	PIPE (8V)					1							
	5130203	PIPE (SCAVENGING) (12V)						1						
2A	5130202	PIPE (12V)						1						
2C	5130425	PIPE (UPPER) (8V)							1					
2A	5130624	PIPE (16V)									1			
2B	5130434	PIPE (SCAVENGING) (16V)									1			
2B,C	5131413	PIPE (8V)										1		
	5131305	PIPE (LOWER) (8V)											1	
2C	5131373	PIPE (UPPER) (8V)											1	
2C	5130989	* PIPE (ENGINE REAR) (16V)												1
2C	5126320	SUPPORT (OIL PUMP SCREEN)	1	1	1	1		1		1	1			1
	5128876	SUPPORT (SCAVENGING INLET TUBE)				2								
	5175600	FLANGE (INLET)		1										
2C	5126319	FLANGE (1.50" I.D.)		1	1			1						
	5128874	FLANGE (2 7/8" B.C.)	1			2			1	2				
	5124312	FLANGE (SCAVANGING)						1						
	5134455	CLIP (INLET PIPE SUPPORT)				2								
	5165211	SPACER, 1/2"X9/16" (4.8001)						1						
	186601	BOLT, 1/4"-20X1 1/4" (12.9001)						2						
	179838	BOLT, 3/8"-16X7/8" (12.9001)				2								
	179839	BOLT, 3/8"-16X1" (12.9001)						4						
2C	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2							2	2			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2		2		2		2			
	5148481	BOLT, 3/8"-16 X 1 3/8"				2						2		
	9409231	BOLT, 3/8"-16X1 1/2" (12.9001)		2										
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)						2						
	179847	BOLT, 3/8"-16X2" (12.9001)				3					3			2
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)							2					
	186627	BOLT, 3/8"-24X1" (12.9001)												1
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)				1		2						
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)				1					2		2	1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)	2			2				3	2			
2C	181381	BOLT, 3/8"-24X2 1/2" (12.9001)			2									2
	120392	WASHER, 1/4" FLAT (12.9190)						AR						
	103341	WASHER, 3/8" FLAT (12.9190)		AR	AR	AR			AR		AR			AR
	103319	LOCKWASHER, 1/4" (12.9200)						AR						
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	102635	NUT, 3/8"-16 HEX. (12.9120)						2						
	123221	NUT, 3/8"-16 HEX. (12.9120)					2		2					
2C	117049	NUT, 3/8"-24 HEX. (12.9120)	2		2	2		2		3	2		2	5
		* OBSOLETE.												
		4.1520 - GASKET, OIL PUMP INLET PIPE												
2C	5167380	GASKET (AT SCREEN COVER)			1		1	2	1				1	
2C	5117242	GASKET (AT PUMP)			1		1		1			1	1	
	5128875	GASKET (AT SCAVENGING PUMP)				1					1			

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2266	2288	2331	2333	2441	2488	2551	2555	2559	2665	2666	2667
		4.1520 - GASKET, OIL PUMP INLET PIPE (CONT'D)												
2C	**5128891**	GASKET (AT PUMP AND SCREEN COVER)									3			
2C	**5123241**	GASKET (AT PUMP)						1						
	5124798	GASKET (4.4184)						1						
2C	**5128891**	GASKET (AT PUMP AND SCREEN COVER)	2							2				2
		4.1530 - SCREEN, OIL PUMP INLET												
2A,B,C	**5153286**	SCREEN	1	1	1			1		1	2			1
2A,B,C	**5135603**	SCREEN				1								
2A,B,C	**5101176**	SCREEN					1		1					
2A	**5155830**	SCREEN (SCAVENGING)						1						
2A,B,C	**5126143**	SCREEN										1	1	
2A,B,C	**5175705**	SPACER, 13/32" X 7/8" X 1" (8.3826)					2		2					
	9409010	BOLT, 5/16"-18X5/8" LOCK (12.9001)										2	2	
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)				2								
	120393	WASHER, 5/16" FLAT (12.9190)										2	2	
	103341	WASHER, 3/8" (12.9190)				2								
	103320	LOCKWASHER, 5/16" (12.9200)										2	2	
	102635	NUT, 3/8"-16 HEX. (12.9120)				2								
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT												
2C	**5108956**	BRACKET (1.68"L.)			2									
2C	**5127861**	BRACKET (1.00"L.) (7.1587)			2									
2B	**5109366**	BRACKET (LOWER) (4.66"L.)				1								
2B	**5109367**	BRACKET (UPPER) (4.60"L.)				1								
2C	**5125752**	BRACKET (LOWER)					2							
2C	**8922271**	BRACKET (UPPER)					2							
2C	**5179293**	BRACKET						4						
2C	**5130516**	BRACKET							2					
2C	**5173022**	BRACKET (1.48"L.) (5.5379)									2			
2C	**5130468**	BRACKET (4.02"L.)									1			
2C	**5131570**	BRACKET (4.02"L.)									1			
2C	**5131439**	BRACKET (7.26"L.)										1		
2C	**5138695**	BRACKET (2"L.)										2		
2C	**5131304**	BRACKET											2	
2C	**5134455**	CLIP, SUPPORT (4.1510)				1								
	5175705	SPACER (8.3826)				2								
	3292532	SPACER (7.1585)									2			
	181596	BOLT, 5/16"-24X7/8" (12.9001)										2		
	179835	BOLT, 3/8"-16 X 5/8" (12.9001)											2	
	180120	BOLT, 3/8"-16X3/4" (12.9001)						4						
2C	**179838**	BOLT, 3/8"-16X7/8" (12.9001)			2			2		2	2			
	5148480	BOLT, 3/8"-16 X 7/8" (12.9001)					2		2			2	2	
2C	**179839**	BOLT, 3/8"-16X1" (12.9001)				2								
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)			2	2	2	2	2					1
2C	**181371**	BOLT, 3/8"-24X1 3/8" (12.9001)									2			
	120393	WASHER, 5/16" FLAT (12.9190)										AR		

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 226	228	231	233	241	248	251	255	259	265	266	267
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT (CONT'D)												
	103341	WASHER, 3/8" FLAT (12.9190)			AR	AR	AR	AR	AR		AR			
	103320	LOCKWASHER, 5/16" (12.9200)										AR		
2C	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR	AR	AR		AR	AR	AR	
2C	214279	NUT, 5/16"-24 HEX. (12.9120)										2		
2C	192481	NUT, 3/8"-24 HEX. (12.9120)				2	2	2	2		2			1
		4.1550 - COVER, OIL PUMP INLET SCREEN												
	5128886	COVER	1							1	2			1
2A,B	5118302	COVER		1	1		1	1	1					
		4.1560 - RETAINER, OIL PUMP INLET PIPE SCREEN												
2A,B,C	5153284	RETAINER	1	1			1	1		1	2			1
		4.1580 - PIPE, OIL PUMP OUTLET												
	5129924	PIPE (TO JUNCTION BLOCK)	1			1								1
	5128870	PIPE (SCAVENGING)				1								
	5179304	PIPE (TO JUNCTION BLOCK)								1				
	5131562	PIPE (TO JUNCTION BLOCK)									1			
	5129905	PIPE (SCAVENGING)									1			
	5129906	JUNCTION BLOCK (PUMP TO CYLINDER BLOCK)	1			1				1				1
	5131561	JUNCTION BLOCK (PUMP TO CYLINDER BLOCK)									1			
	179839	BOLT, 3/8"-16X1" (12.9001)				8				6	8			6
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	2			2				2	2			2
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR				AR	AR			
		4.1590 - GASKET, OIL PUMP OUTLET PIPE												
	5117269	GASKET (JUNCTION BLOCK)	2			2				2	2			1
	5128869	GASKET				1					1			
	2206783	GASKET	1			1				1	1			1
	5100153	GASKET (WITH 5129924 PIPE)	1			1				1	1			1
		4.1597 - TUBE, OIL PRESSURE GAGE												
	5118781	HOSE (.19"X11.18"L.) (5.1003)	1	1		1								
	112877	BUSHING, 1/4"-1/8" RED. PIPE (12.9570)	1	1		1								
	189060	BUSHING, 3/4"-1/4" RED. PIPE					1							

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 228	228	231	233	241	248	251	255	259	265	266	267
		4.1597 - TUBE, OIL PRESSURE GAGE (CONT'D)												
		(12.9570)												
	5121182	PLUG, 1/4" PIPE (12.9550)					1							
	1508350	FITTING, 1/8" RESTRICTION (7.4074)	1	1		1								
	444052	ELBOW, 1/8"-45 DEG. STREET (12.9590)	1	1		1								
		4.1660 - PIPE, BLOWER DRIVE BEARING OIL												
*	5117716	PIPE, 5/16"X2"L. (TO BLOWER)		1				1						
*	5117718	PIPE, 5/16"X2 1/4"L. (TO BLOWER)			1									
*	5117717	PIPE, 5/16"X4"L. (TO BLOWER)	2			2	1		1	2	2	1	1	2
*	5144410	@ + CONNECTOR ASSY.		1	1			1						
*	114629	# CONNECTOR, 5/16" BALL SLEEVE (12.9410)	2	1	1	2	1	1	1	2	2	1	1	2
*	114631	# SLEEVE, 5/16" BALL (12.9430)	2	1	1	2	1	1	1	2	2	1	1	2
*	5124519	# + RING, SEAL (1/8"X5/16") (3.4350)	2	1	1	2	1	1	1	2	2	1	1	2
*	5144424	@ + RING, SEAL (1/4" TUBE) (12.9435)		1	1			1						
	5144409	@ + ADAPTOR		1	1			1						
*	5124520	# + WASHER, SEAL (3.4180)	2	1	1	2	1	1	1	2	2	1	1	2
*	114630	# NUT, 5/16" BALL SLEEVE (12.9440)	2	1	1	2	1	1	1	2	2	1	1	2

* FIG. 4A OF 3.0000.
@ EFFECTIVE WITH 6VA-54604, 12VA-20732.
# THRU 6VA-54603, 8VA-107423, 12VA-20732.
+ REFERENCE ONLY; SHOWN IN 3.4180.

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	274	278	281	287	288	299	320	326	339	347
		4.1510 - PIPE, OIL PUMP INLET											
2A	5130202	PIPE (12V)											1
2C	5131151	* PIPE (ENGINE FRONT) (16V)	1										
2C	5132330	* PIPE (16V)		1									
2B	5132142	PIPE (8V)			1								
2A	5124321	PIPE (12V)				1							
2A	5128250	PIPE (12V)					1						
	5134771	PIPE (8V)						1	1				
	5138676	PIPE (6V)								1			
	5138346	* PIPE (8V)									1		
2B,F	5125695	PIPE (8V)										1	
2C	5126320	SUPPORT (OIL PUMP SCREEN)	1	1			1		1	1		1	1
	5128876	SUPPORT (SCAVENGING INLET TUBE)		2									
2C	5124326	SUPPORT				2							
	5131439	SUPPORT (INLET TUBE)									1		
	5124780	BRACKET					2						
	5176400	BRACKET (4.8010)					2						
2C	5126319	FLANGE (1.50"I.D.)					1		1	1		1	1
	5128874	FLANGE (2 7/8"B.C.)	1	1									
2B	5127274	FLANGE						1	1				
	5124312	FLANGE				2							
	5134455	CLIP (INLET PIPE SUPPORT)		2									
	179838	BOLT, 3/8"-16X7/8" (12.9001)		2			2						2
	179839	BOLT, 3/8"-16X1" (12.9001)				6	2						
2C	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2					2	2				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2						2	2	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				2							
	5148481	BOLT, 3/8"-16 X 1 3/8"								2			
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)											2
	179847	BOLT, 3/8"-16X2" (12.9001)		3									
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)						2					
	186627	BOLT, 3/8"-24X1" (12.9001)		1									
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)					10						
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)	1	1									
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	2										
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)		2			2	4	4	2			
	103341	WASHER, 3/8" FLAT (12.9190)	AR	AR		AR	AR	AR		AR			
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	102635	NUT, 3/8"-16 (12.9120)				2							2
	123221	NUT, 3/8"-16 HEX. (12.9120)						2					
2C	117049	NUT, 3/8"-24 HEX. (12.9120)	5	2			2	4	4	2		2	
	192481	NUT, 3/8"-24 HEX. (12.9120)					8						
		* OBSOLETE											
		4.1520 - GASKET, OIL PUMP INLET PIPE											
2C	5167380	GASKET (AT SCREEN COVER)				1	1	1	2	1		1	2
2C	5117242	GASKET (AT PUMP)			1			1	1	1	1	1	
2C	5123241	GASKET (AT PUMP)				1	1						1

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	274	278	281	287	288	299	320	326	339	347
		4.1520 - GASKET, OIL PUMP INLET PIPE (CONT'D)											
2C	5128891	GASKET (AT PUMP AND SCREEN COVER)	2	2									
		4.1530 - SCREEN, OIL PUMP INLET											
2A,B,C	5153286	SCREEN	1	1									
2A,B,C	5101176	SCREEN						1					
2A,B,C	5126143	SCREEN			1						1		
2A	5155830	SCREEN				2							
	5165211	SPACER, 1/2"X9/16"				4							
2A,B,C	5175705	SPACER, 13/32" X 7/8" X 1" (8.3826)						2					
	186601	BOLT, 1/4"-20X1 1/4" (12.9001)				4							
	9409010	BOLT, 5/16"-18X5/8" LOCK (12.9001)			2						2		
	120392	WASHER, 1/4" (12.9190)				4							
	120393	WASHER, 5/16" FLAT (12.9190)			2						2		
	103319	LOCKWASHER, 3/8" (12.9200)				4							
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT											
2C	5132328	BRACKET (TO OIL PAN)		1									
2C	5132327	BRACKET (TO SCREEN SUPPORT)		1									
2C	5103178	BRACKET (LOWER)			2								
2C	5129365	BRACKET (UPPER) (7.1587)			2								
2C	5127307	BRACKET (7.94"L.)						2	2				
2C	5138673	BRACKET								1			
2C	5125920	BRACKET (4.12"L.)								1			
2C	5138348	BRACKET									2		
2C	5140298	* BRACKET (UPPER)										1	
2C	5140408	* BRACKET (LOWER)										1	
2C	5125693	BRACKET (3.90"L.)										2	
2C	5130334	BRACKET (4.08"L.)										2	
2C	5134455	CLIP, SUPPORT (4.1510)	1										
2C	180078	BOLT, 5/16"-18X7/8" (12.9001)			2						2		
2C	181595	BOLT, 5/16"-24X3/4" (12.9001)			2								
	181596	BOLT, 5/16"-24X7/8" (12.9001)									2		
2C	179838	BOLT, 3/8"-16X7/8" (12.9001)		2				2	2		2	3	
2C	5148480	BOLT, 3/8"-16 X 7/8" (12.9001)			2			2		2			
2C	186627	BOLT, 3/8"-24X1" (12.9001)		2									
2C	106286	BOLT, 3/8"-24X1 1/8" (12.9001)								1		3	
	120393	WASHER, 5/16" FLAT (12.9190)			AR						AR		
	103341	WASHER, 3/8" FLAT (12.9190)		AR						AR		AR	
	103320	LOCKWASHER, 5/16" (12.9200)			AR						AR		
2C	103321	LOCKWASHER, 3/8" (12.9200)		AR				AR	AR	AR	AR	AR	
2C	214279	NUT, 5/16"-24 HEX. (12.9120)			2						2		
2C	192481	NUT, 3/8"-24 HEX. (12.9120)								1		3	

* OBSOLETE

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4.10008 OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	274	278	281	287	288	299	320	326	339	347
		4.1550 - COVER, OIL PUMP INLET SCREEN											
	5128886	COVER	1	1									
2A,B	5118302	COVER					1	1	1	1		1	1
		4.1560 - RETAINER, OIL PUMP INLET PIPE SCREEN											
2A,B,C	5153284	RETAINER	1	1			1	1	1	1		1	1
		4.1580 - PIPE, OIL PUMP OUTLET											
	5129924	PIPE (TO JUNCTION BLOCK)	1	1									
	5124323	PIPE (SCAVENGING)				1							
	5129906	JUNCTION BLOCK (PUMP TO CYLINDER BLOCK)	1	1									
	179839	BOLT, 3/8"-16X1" (12.9001)	6	6		2							
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	2	2									
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR							
		4.1590 - GASKET, OIL PUMP OUTLET PIPE											
	5117269	GASKET (JUNCTION BLOCK)	1	2									
	2206783	GASKET	1	1									
	5100153	GASKET (WITH 5129924 PIPE)	1	1									
	5123235	GASKET				1							
		4.1597 - TUBE, OIL PRESSURE GAGE											
	189060	BUSHING, 3/4"X1/4" RED PIPE (12.9570)						1					
	5121182	PLUG, 1/4" PIPE (12.9550)						1					
		4.1660 - PIPE, BLOWER DRIVE BEARING OIL											
*	5117716	PIPE, 5/16"X2"L. (TO BLOWER)				1							
*	5117717	PIPE, 5/16"X4"L. (TO BLOWER)	2	2	1								
*	5144410	@ + CONNECTOR ASSY.				1							
*	114629	# CONNECTOR, 5/16" BALL SLEEVE (12.9410)	2	2	1	1							
*	114631	# SLEEVE, 5/16" BALL (12.9430)	2	2	1	1							
*	5124519	# + RING, SEAL (1/8"X5/16") (3.4350)	2	2	1	1							
*	5144424	@ + RING, SEAL (1/4" TUBE) (12.9435)				1							
	5144409	@ + ADAPTOR				1							
*	5124520	# + WASHER, SEAL (3.4180)	2	2	1	1							
*	114630	# NUT, 5/16" BALL SLEEVE (12.9440)	2	2	1	1							

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4.10008 OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	274	278	281	287	288	299	320	326	339	347

4.1660 - PIPE, BLOWER DRIVE BEARING OIL (CONT'D)

* FIG. 4A OF 3.0000.
@ EFFECTIVE WITH 6VA-54604, 12VA-20732.
# THRU 6VA-54603, 8VA-107423, 12VA-20732, 16VA-5164.
+ REFERENCE ONLY; SHOWN IN 3.4180.

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 357	363	366	380	391	393	394	395	396	404	408	410
		4.1510 - PIPE, OIL PUMP INLET												
		▪ FOR TYPE 406 USE TYPE 467.▪												
2A	5141151	PIPE (12V)	1											
2B	5141081	PIPE (SCAVENGING) (12V)	1											
	5143050	PIPE (12V)		1										
2A	5125760	PIPE (12V)			1			1						1
	5141968	PIPE (8V)				1								
	5141602	PIPE (SCAVENGING) (8V)				1								
2B,C	5125904	PIPE (8V)					1						1	
	5125695	PIPE (8V)							1					
	5125831	PIPE (12V)								1				
	5145467	PIPE (6V)									1			
	5145642	PIPE (SCAVENGING) (6V)									1			
2A,B	5145274	PIPE (SCAVENGING) (12V)										1		
	5143048	FLANGE (1.88" DIA.)		1										
2C	5126319	FLANGE (1.50"I.D.)	2		1		1	1	1	1			1	1
2C	5126320	SUPPORT (OIL PUMP SCREEN)	2		1		1	1	1	1				
	5124780	BRACKET												2
	5143059	RING, SEAL (.18X1.66"I.D.)		1										
	5143055	ELBOW (INLET AND OUTLET)		1										
2A,B	5145276	ELBOW										1		
	8921533	BAFFLE				1								
	108587	BOLT, 5/16"-18X1 5/8" (12.9001)		1										
	179826	BOLT, 5/16"-18X2" (12.9001)									2			
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)				2								
	148372	BOLT, 5/16"-18X5 1/8" (12.9001)		2										
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2							4				
	179839	BOLT, 3/8"-16X1" (12.9001)	2		2			2						2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		2			2						2	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)									2			
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	2											
	5148481	BOLT, 3/8"-16 X 1 3/8"							2			2		
	179847	BOLT, 3/8"-16X2" (12.9001)				2								
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)										2		
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)					2	2	2				2	2
	100030	BOLT, 3/8"-24X2" (12.9001)			2									
	106261	WASHER, 5/16" PLAIN (12.9190)		3										
	103341	WASHER, 3/8" FLAT (12.9190)	AR		AR		AR	AR	AR			AR		AR
	103320	LOCKWASHER, 5/16" (12.9200)		AR		AR					AR			
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	102635	NUT, 3/8"-16 HEX. (12.9120)	2									2		
	117049	NUT, 3/8"-24 HEX. (12.9120)			AR		AR	AR	AR				AR	AR
		4.1520 - GASKET, OIL PUMP INLET PIPE												
2C	5123241	GASKET (AT PUMP)	1		1			1		1		1		1
2C	5123660	GASKET (4.1300)	1											
2C	5143061	GASKET		1										
2C	5167380	GASKET (AT SCREEN COVER)	2		1		1	2	1	2			1	1
2C	5126160	GASKET (INLET PIPE)				1					2			

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4.10008 OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 357	363	366	380	391	393	394	395	396	404	408	410
		4.1520 - GASKET, OIL PUMP INLET PIPE (CONT'D)												
2C	5126161	GASKET (SCAVENGING PIPE)				2					1			
2C	5117242	GASKET (AT PUMP)					1		1				1	
2C	5123235	GASKET (4.1232)								1				
2C	5124798	GASKET (4.4184)										1		
		4.1530 - SCREEN, OIL PUMP INLET												
2A,B,C	5153286	SCREEN	2		1		1	1	1	1			1	1
2A,B,C	5101176	SCREEN		2								2		
2A,B,C	5126143	SCREEN				2					2			
	5175705	SPACER (13/32"X7/8"X1") (8.3826)		4								4		
	9409010	BOLT, 5/16"-18X5/8" LOCK (12.9001)				4								
	179816	BOLT, 5/16"-18X3/4" (12.9001)									4			
	180121	BOLT, 3/8"-16X7/8" (12.9001)							2					
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)		2										
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)										2		
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)		2										
	120393	WASHER, 5/16" (12.9190)				4					4			
	103341	WASHER, 3/8" FLAT (12.9190)		6								2		
	103320	LOCKWASHER, 5/16" (12.9200)									4			
	103321	LOCKWASHER, 3/8" (12.9200)		4		2			2			4		
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT												
2A,C	5145237	BRACKET	1											
2A,C	5145236	BRACKET	1											
2A,C	5134534	BRACKET (7.8203)		2										
2A,C	5138892	BRACKET, CLIP		2										
2A,C	5143942	BRACKET (2.64"L.)			1									
2A,C	5139310	BRACKET (1.40"L.)				1								
2A,C	5142370	BRACKET (.68"L.)				1								
2A,C	5130336	BRACKET					1						2	
2A,C	5125912	BRACKET					1						2	
2A,C	5124780	BRACKET						2						
2A,C	5125693	BRACKET							2					
2A,C	5130334	BRACKET							2					
2A,C	5125802	BRACKET								2				
2A,C	5145277	BRACKET										1		
2A,C	5145278	BRACKET										1		
	5117045	+ SHIM (.005") (4.1030)			AR									
	5117046	+ SHIM (.010") (4.1030)			AR									
	5117047	+ SHIM (.015") (4.1030)			AR									
2C	179816	BOLT, 5/16"-18X3/4" (12.9001)				2								
2C	179837	BOLT, 3/8"-16X3/4" (12.9001)				2				2				2

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 357	363	366	380	391	393	394	395	396	404	408	410
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT (CONT'D)												
2C	179838	BOLT, 3/8"-16X7/8" (12.9001)		2			2						2	
	5148480	BOLT, 3/8"-16 X 7/8" (12.9001)					2		2					
2C	179839	BOLT, 3/8"-16X1" (12.9001)	2		3									
2C	179847	BOLT, 3/8"-16X2" (12.9001)										2		
2C	186627	BOLT, 3/8"-24X1" (12.9001)		2		2								
2C	106286	BOLT, 3/8"-24X1 1/8" (12.9001)	2				1	2	2			2	2	2
2C	181377	BOLT, 3/8"-24X1 3/4" (12.9001)	2											
	103341	WASHER, 3/8" FLAT (12.9190)		AR	AR	AR	AR	AR	AR				AR	AR
	106263	WASHER, 7/16" (12.9190)										6		
2C	103320	LOCKWASHER, 5/16" (12.9200)				2								
2C	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR			AR		AR	AR	AR
	192481	NUT, 3/8"-24 HEX. (12.9120)		2		2	3	2	2			2	2	1
		+ OBSOLETE.												
		4.1550 - COVER, OIL PUMP INLET SCREEN												
2A,B,C	5118302	COVER	2		1		1	1	1	1			1	1
	5123949	COVER (2.7630)									1			
2A,B,C	5123662	COVER								1				
	5152944	GASKET (4.1590)									1			
	180078	BOLT, 5/16"-18 X 7/8" (12.9001)									2			
	5103534	BOLT, 5/16"-24 X 1/2" VIBRA TITE CTD.									1			
	103320	LOCKWASHER, 5/16"									2			
		4.1560 - RETAINER, OIL PUMP INLET PIPE SCREEN												
2A,B,C	5153284	RETAINER	2		1		1	1	1	1			1	1
		4.1575 - BRACKET, OIL PUMP OUTLET PIPE												
2A	5124826	SUPPORT	2											
	5164789	SPACER (5.4025)	1											
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2											
	186627	BOLT, 3/8"-24X1" (12.9001)	1											
	181384	BOLT, 3/8"-24X2 3/4" (12.9001)								2				
	103321	LOCKWASHER, 3/8" (12.9200)	AR							AR				
	117049	NUT, 3/8"-24 HEX. (12.9120)	1							2				
		4.1580 - PIPE, OIL PUMP OUTLET												
2A	5140999	PIPE (SCAVENGING)	1											
	5145466	PIPE (SCAVENGING)									1			
	5134748	HOSE ASSY., FLEX. (#5X13 1/4"L.) (12.3040)					1		1					
	5136025	HOSE ASSY., FLEX. (5/16"X19"L.)						1		1				
	5144634	HOSE ASSY., FLEX. (#4X14 3/4"L.) (TEFLON)											1	1
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)											1	1
	143343	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)					2		2				1	1

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4.10008 OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 357	363	366	380	391	393	394	395	396	404	408	410
		4.1580 - PIPE, OIL PUMP OUTLET (CONT'D)												
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)								1				
	1508350	FITTING, 1/8" RESTRICTION											1	1
	5144215	JUNCTION BLOCK (PUMP TO CYLINDER BLOCK)					1	1	1	1			1	1
	5159347	SPACER, 13/32" X 3/4" X 1/2" (7.1581)					2							
	5145009	PLUG, 1/8" (12.9550)					3	2	3	2			3	2
	5121182	PLUG, 1/4" (12.9550)					1	1	1	1			1	1
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)									2			
	179839	BOLT, 3/8"-16X1" (12.9001)	2											
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)						2	2	2			2	2
	179847	BOLT, 3/8"-16 X 2" (12.9001)					2							
	103320	LOCKWASHER, 5/16" (12.9200)									2			
	103321	LOCKWASHER, 3/8" (12.9200)	2				2	2	2	2			2	2
		4.1590 - GASKET, OIL PUMP OUTLET PIPE												
	5123235	GASKET	1											
	5152944	GASKET (2.7650)									1			
		4.1597 - TUBE, OIL PRESSURE GAGE												
	5118781	TUBE					1	1	1	1				
	1508350	FITTING, 1/8" RESTRICTION					1	1	1	1				
		4.1660 - PIPE, BLOWER DRIVE BEARING OIL												
*	5117716	PIPE, 5/16"X2"L. (TO BLOWER)	1	1										
*	5117717	PIPE, 5/16"X4"L. (TO BLOWER)				1								
	5144410	@ + CONNECTOR ASSY.	1	1										
*	114629	# CONNECTOR, 5/16" BALL SLEEVE (12.9410)	1	1		1								
*	114631	# SLEEVE, 5/16" BALL (12.9430)	1	1		1								
	5144424	@ + RING, SEAL	1	1										
*	5124519	# + RING, SEAL (1/8"X5/16") (3.4350)	1	1		1								
*	5124520	# + WASHER, SEAL (3.4180)	1	1		1								
*	114630	# NUT, 5/16" BALL SLEEVE (12.9440)	1	1		1								

* FIG. 4A OF 3.0000.
@ EFF. WITH 6VA-54604, 8VA-107424, 12VA-20733, 16VA-5165.
# THRU 6A-54603, 8VA-107423, 12VA-20732, 16VA-5164.
+ REFERENCE ONLY; SHOWN IN 3.4180.

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 432	433	434	444	449	466	467	475	476	477	482	483	486
		4.1510 - PIPE, OIL PUMP INLET													
2B,C	5125904	PIPE (8V)			1								1		
2B	5127274	PIPE (6V)								1					
2A	5128872	PIPE (16V)		1											
2A	5141602	PIPE (SCAVENGING) (8V)						1							
2B	5109369	PIPE (SCAVENGING) (16V)		1											
2A	5141968	PIPE (8V)						1							
2A	5143050	PIPE (SCAVENGING) (12V)					1								
2A	5144761	PIPE (12V)							1						
2A	8921992	PIPE (6V)										1			1
2A	8921950	PIPE (8V)									1				
	5125831	PIPE (12V)				1									
	5125760	PIPE (12V)				1								1	
2A	8921985	HOSE, 1 3/4"X2.00"					1								
2C	5126319	FLANGE (1.50"I.D.)	1		1	1							1	1	
	5143048	FLANGE (1.88" DIA.)					1								
	5175600	FLANGE	1										1	1	
	5128874	FLANGE (2 7/8"B.C.)		1											
2C	5126320	SUPPORT (OIL PUMP SCREEN)	1	1	1	1							1	1	
	5128876	SUPPORT (SCAVENGING INLET TUBE)		2											
	5128932	SUPPORT (INLET PIPE)				2									
	8925586	RING, SEAL (.18"X1.66"I.D.X2.16"O.D.) (WHITE STRIPE)					1								
	5134455	CLIP		2											
	5123662	COVER (OIL PUMP SIDE)				1									
	5123241	GASKET (OIL PUMP SIDE)				1									
	5145014	PLUG, 3/8" (PIPE)				1									
	179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)						2							
	179837	BOLT, 3/8"-16X3/4" (12.9001)				2									
	179838	BOLT, 3/8"-16X7/8" (12.9001)		2		4			2						
	179839	BOLT, 3/8"-16X1" (12.9001)												2	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2	2							2	2		2
	9409231	BOLT, 3/8"-16X1 1/2" (12.9001)	2												
	5148481	BOLT, 3/8"-16 X 1 3/8" W/LOCKWASHER					2			2	2				
	179846	BOLT, 3/8"-16 X 1 7/8" (12.9001)							2						
	179847	BOLT, 3/8"-16X2" (12.9001)		3				2							
	186627	BOLT, 3/8"-24X1" (12.9001)		1											
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)				2									
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)		1											
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)		2	2								2	2	
	181384	BOLT, 3/8"-24X2 3/4" (12.9001)				2									
	103341	WASHER, 3/8" (12.9190)		AR	AR	AR							AR		
	103320	LOCKWASHER, 5/16" (12.9200)						AR							
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR		AR	AR			AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)		AR	AR	AR							AR	AR	
	192481	NUT, 3/8"-24 (12.9140)				AR									
		4.1520 - GASKET, OIL PUMP INLET PIPE													
2C	5117242	GASKET (AT PUMP)			1					1	1	1	1		1
2C	5123660	GASKET (AT PUMP)							1						
2C	5167380	GASKET (AT SCREEN COVER)	2		1	2				1	1	1	1	2	1
2C	5128891	GASKET (AT PUMP AND SCREEN COVER)		2											
	5117269	GASKET (OUTLET TO BLOCK)							1						
	5126160	GASKET (INLET PIPE)						1							
2C	5128875	GASKET (SCAVENGING PUMP)		2											
2C	5126161	GASKET (SCAVENGING PUMP)						2							
	5123235	GASKET (AT PUMP)				1									
	5123241	GASKET (AT PUMP)												1	

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 432	433	434	444	449	466	467	475	476	477	482	483	486
		4.1522 - CLIP, OIL PUMP INLET TUBE													
	8920537	CLAMP, 2" (12.9660)					1								
		4.1524 - BAFFLE, OIL PAN													
	8921533	BAFFLE						1							
		4.1530 - SCREEN, OIL PUMP INLET													
2A,B,C	**5101176**	SCREEN		1			2		1						
2A,B,C	**5126143**	SCREEN						2							
2A,B,C	**5153286**	SCREEN	1	1	1	1							1	1	
2A,B,C	**5104754**	SCREEN								1	1	1			1
	5175705	SPACER, 13/32" X 7/8" X 1" (8.3826)		2			4		2						
	9409010	BOLT, 5/16"-18 X 5/8" (12.9001)						4							
	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)					2								
	179847	BOLT, 3/8"-16 X 2" (12.9001)							2						
	179848	BOLT, 3/8"-16 X 2 1/4" (12.9001)					2								
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)								2					
	186283	BOLT, 3/8"-16X3 1/2"									2	2			2
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)		2											
	5175705	SPACER, 13/32" X 7/8" X 1" (8.3826)		2			4		2						
	120393	WASHER, 11/32" X 11/16" (12.9190)						4							
	103341	WASHER, 3/8" FLAT (12.9190)		2			6		2	2	2	4			4
	103320	LOCKWASHER, 5/16" (12.9200)						2							
	103321	LOCKWASHER, 3/8" (12.9200)		2			4		2			4			2
	102635	NUT, 3/8"-16 (12.9120)		2			2		2						2
	123221	NUT, 3/8"-16 (12.9120)										2			2
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT													
	5127307	BRACKET								2					
	8922549	BRACKET										1			1
2A,C	**5130336**	BRACKET			2								2		
2A,C	**5139310**	BRACKET						1							
	8922550	BRACKET										1			1
2A,C	**5125912**	BRACKET			2								2		
2A	**8922353**	BRACKET									2				
2A,C	**5142370**	BRACKET						1							
	5134534	BRACKET					2								
	8921955	BRACKET									1				
	5124780	BRACKET												4	
	5138892	BRACKET, CLIP					2								
2C	**179837**	BOLT, 3/8"-16 X 3/4" (12.9001)						2						2	
2C	**179838**	BOLT, 3/8"-16X7/8" (12.9001)			2		2								
	5148480	BOLT, 3/8"-16X7/8" (12.9001)								2	2	2	2		2
	5148436	BOLT, 5/16"-18 X 3/4" (12.9001)						2							
	186627	BOLT, 3/8"-24X1" (12.9001)					2	2				2			2
2C	**181365**	BOLT, 3/8"-24X1 1/8" (12.9001)			2						2		2	2	
	120393	WASHER, 5/16" (12.9190)						AR							
	103341	WASHER, 3/8" (12.9190)			AR		AR	AR		AR	AR	AR	AR	AR	AR
2C	**103321**	LOCKWASHER, 3/8" (12.9200)			AR		AR	AR		AR	AR			AR	

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4332	4334	4344	4349	4366	4667	4755	4766	4777	4882	4883	4886
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT (CONT'D)												
	192481	NUT, 3/8"-24 HEX. (12.9120)		2		2	2			2	2	2	2	2
	123221	NUT, 3/8"-16 (12.9120)							2	2				
		4.1550 - COVER, OIL PUMP INLET SCREEN												
2A,B,C	5118302	COVER	1	1	1							1	1	
	5128886	COVER												
		4.1560 - RETAINER, OIL PUMP INLET PIPE SCREEN												
2A,B,C	5153284	RETAINER	1	1	1	1						1	1	
		4.1580 - PIPE, OIL PUMP OUTLET												
	5128870	PIPE (SCAVENGING)		1										
	5145160	PIPE (SCAVENGING)						1						
	5136025	HOSE ASSY. (5/16"X19"L.)	1											
	5144634	HOSE ASSY. (#4X14 3/4"L.) (TEFLON)			1									
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	1											
	8925726	ELBOW, 1/8"-27 45 DEG. (12.9590)												1
	NPN	ELBOW, 3/8" TUBE 45 DEG.			1								1	
	8925030	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1											1
	NPN	ELBOW, 3/8" TUBE 90 DEG.										1	1	
	187394	COUPLING, PIPE 1/8"X13/16"			1									
	1508350	FITTING, 1/8" RESTRICTION			1							1	1	
	5144215	JUNCTION BLOCK (PUMP TO CYLINDER BLOCK)	1		1							1	1	
	5106047	JUNCTION BLOCK (PUMP TO CYLINDER BLOCK)												1
	8924380	PLUG, 1/8" (12.9550)	2		3							2	2	
	8924380	PLUG, 1/8" W/SEAL PATCH (12.9550)												2
	5121182	PLUG, 1/4" (2.4015)	1		1									
	8923847	PLUG, 1/4" (4.7001)										1	1	1
	5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)										2		
	5115323	SPACER, .750" I.D.X.870" O.D. (12.9010)												2
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)						2						
	179839	BOLT, 3/8"-16X1" (12.9001)		2										
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	2		2								2	
	179847	BOLT, 3/8"-16X2" (12.9001)										2		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2			2				2	2	
		4.1581 - TUBE, JUNCTION BLOCK INLET												
	5101316	HOSE ASSY., #5X10"L.			1									
	5107852	HOSE ASSY., #6X12"L.										1		1
	8923859	HOSE ASSY., #5X13"L. (9.1775)										1	1	1
	5107853	HOSE ASSY., #6X17.22"L. (2.5100)											1	
	8924172	ADAPTOR, 1/4"-18 (12.9460)			1									1
	8924176	TEE, 1/4"-18 PIPE (12.9616)			1									
	442348	TEE, 3/8"X1/4"-18 (12.9490)												1
	9432264	CONNECTOR, 5/16" (12.9460)			1							1		
	8924160	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)			1									

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4332	4333	4334	4444	4449	4666	4667	4675	4676	4677	4682	4683	4686
		4.1590 - GASKET, OIL PUMP OUTLET PIPE													
	5128869	GASKET		1											
	5123240	GASKET							1						
		4.1597 - TUBE, OIL PRESSURE GAGE-MARINE													
	5118781	TUBE	1												
	1508350	FITTING, 1/8" RESTRICTION	1												
	8924166	BUSHING, 3/4"X1/4" (12.9570)								1	1				
	5121182	PLUG, 1/4" (2.4015)								1	1				

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 488	498	499	500	501	502	503	504	505	506	507
		4.1510 - PIPE, OIL PUMP INLET											
2B,C	**5125904**	PIPE (8V)	1			1	1						
2B,C	**5117628**	PIPE (6V)		1									
2B,C	**5117814**	PIPE (6V)			1								
	5125760	PIPE (12V)						1	1				
	5128250	PIPE (12V)								1			
2A	**5128872**	PIPE (16V)										1	1
2A	**5129781**	PIPE (SCAVENGING) (16V)										1	
2C	**5128932**	SUPPORT (OIL INLET SCREEN)										4	
2A	**5128876**	SUPPORT (SCAVENGING INLET TUBE)										2	
	5134455	CLIP										2	
	179838	BOLT, 3/8"-16X7/8" (12.9001)										6	
	179839	BOLT, 3/8"-16X1" (12.9001)						2	2	2			
	186627	BOLT, 3/8"-24X1" (12.9001)										1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2		2		2					2	
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)										1	
	5148481	BOLT ASSY., 3/8"-16X1 3/8" (W/LW) (12.9001)		2		2							
	179847	BOLT, 3/8"-16X2" (12.9001)										3	
	103341	WASHER, 3/8" (12.9190)										AR	
	103321	LOCKWASHER, 3/8" (12.9200)	2		2		2	2	2	2		AR	2
	102635	NUT, 3/8"-16 (12.9120)										2	
	117049	NUT, 3/8"-24 (12.9120)										2	
		4.1520 - GASKET, OIL PUMP INLET PIPE											
2C	**5117242**	GASKET (AT PUMP)	1	1	1	1	1						
2C	**5167380**	GASKET (AT SCREEN COVER)	1	1	1	1	1	2	1	1	2		
2C	**5123241**	GASKET (AT PUMP)						1	1	1			
2C	**5123235**	GASKET (AT SCREEN COVER)						1		1			
2C	**5128891**	GASKET										3	2
2C	**5128875**	GASKET										1	
		4.1530 - SCREEN, OIL PUMP INLET											
2A,B,C	**5101176**	SCREEN		1	1	1	1	2	1	2	1	2	1
2A,B,C	**5104754**	SCREEN	1										
	5175600	FLANGE									1		
2B,C	**5175705**	SPACER, 13/32"X7/8"X1" (8.3826)		2	2	2	2	4	2	4	2	4	2
2C	**103341**	WASHER, 3/8" (12.9190)	4	4	4	4	4	6	4	8	2	8	4
2C	**103321**	LOCKWASHER, 3/8" (12.9200)	2										
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)						2		2			
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)									2		
2C	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)	2	2	2	2	2	2	2	2		4	2
2C	**123221**	NUT, 3/8"-16 (12.9120)	2										
2C	**102635**	NUT, 3/8"-16 (12.9120)		2	2	2	2	2	2	2		4	2
		4.1540 - BRACKET, OIL PUMP SUPPORT											
2A,C	**5130336**	BRACKET (LOWER)	2			2	2						
2A,C	**5125912**	BRACKET (4.40" LG. ANGLE SLOTTED HOLES)	2			2	2						
2A,C	**5109540**	BRACKET			2								
2A,C	**5124780**	BRACKET (2.06") LG. SLOTTED HOLES						4	4	2			
2A,C	**5176400**	BRACKET (2.06") LG. SLOTTED HOLES								2			
2A,C	**5125920**	BRACKET		4	2								
	5148480	BOLT ASSY., 3/8"-16X7/8" (W/LW) (12.9001)	2	2		2							
2C	**179838**	BOLT, 3/8"-16X7/8" (12.9001)						2		2			
	5104320	BOLT ASSY., 3/8"-16X7/8" (W/LW) (12.9001)			2		2						

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 48	498	499	500	501	502	503	504	505	506	507
		4.1540 - BRACKET, OIL PUMP SUPPORT (CONT'D)											
	179837	BOLT, 3/8"-16X3/4" (12.9001)							2				
2C	**181365**	BOLT, 3/8"-24X1 1/8" (12.9001)	2	2	2	2	2	2	2	2			
	103341	WASHERS, 3/8" (12.9190)	AR	AR	AR	AR	AR	AR	AR	AR			
2C	**103321**	LOCKWASHER, 3/8" (12.9001)						2	2	2			
	192481	NUT, 3/8"-24 (12.9120)	2	2	2	2	2	2	2	2			
		4.1550 - COVER, OIL PUMP INLET SCREEN											
2A,B,C	**5118302**	COVER		1	1	1	1	2	1	2	1		
2A,B,C	**5128886**	COVER										2	1
		4.1575 - BRACKET, OIL PUMP OUTLET PIPE											
	5124826	SUPPORT						2		2			
	5196119	SPACER, 13/32" I.D.X7/8" O.D. (3.4001)						1		1			
	179838	BOLT, 3/8"-16X7/8" (12.9001)						2		2			
	186627	BOLT, 3/8"-24X1" (12.9001)						1		1			
	103321	LOCKWASHER, 3/8" (12.9200)						3		3			
	117049	NUT, 3/8"-24 (12.9120)						1		1			
		4.1580 - PIPE, OIL PUMP OUTLET											
	5128253	PIPE								1			
	5125610	PIPE						1					
	5129924	PIPE										1	1
	5128870	PIPE										1	
2A	**5106047**	JUNCTION BLOCK (PUMP TO CYLINDER BLOCK)	1										
2A	**5129906**	JUNCTION BLOCK (PUMP TO CYLINDER BLOCK)										1	1
	1508350	FITTING ASM., 1/8-27 .025 RESTR. (7.4074)	1										
	8924380	PLUG, 1/8"-27 (4.7001)	2										
	8923847	PLUG, 1/4" (4.7001)	1										
	5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)	2										
	179839	BOLT, 3/8"-16X1" (12.9001)						2		2		8	6
	179847	BOLT, 3/8"-16X2" (12.9001)	2										
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)										2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2					2		2		10	8
		4.1581 - TUBE JUNCTION BLOCK INLET											
	8923859	HOSE ASSY., #5X13.00" L. (9.1775)	1										
	5107852	HOSE ASSY., #6X12.00" L. (2.5149)	1										
	8924171	CONNECTOR, 3/8" TUBE, 1/4" P.T. (12.9460)	1										
	8925030	ELBOW, 3/8" INV. FL. TUBE 1/4"-18 W/SEAL (12.9460)	1										
		4.1590 - GASKET, OIL PUMP OUTLET PIPE											
2A	**5128869**	GASKET (SCAVENGING OUTLET)										1	
	5117269	GASKET (OIL PRESS. REG. & RLF. VLV.)										2	2
	5100153	GASKET (OIL PUMP OUTLET)										1	1
	2206783	GASKET (OIL PUMP OUTLET TO JUNCTION BLOCK) (4.1580)										1	1

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 488	498	499	500	501	502	503	504	505	506	507
		4.1597 - TUBE, OIL PRESSURE GAGE-MARINE											
	5118781	HOSE ASSY., .19"X11.18" (5.1003)				1							
	1508350	FITTING ASSY., 1/8"-27 (.025 RESTR.) (7.4074)				1							
	8924142	BUSHING, 1/4"X1/8" RED (12.9570)				1							
	8925726	ELBOW, 1/8" 45 DEG. ST.				1							

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 508	509	510	511	512	513	514	515	516	517
		4.1510 - PIPE, OIL PUMP INLET										
	5109441	PIPE (16V)	1									
	5125904	PIPE (8V)								1		
	5109369	PIPE (SCAVENGING) (16V)	1								1	
	5125831	PIPE (12V)										1
	5109667	PIPE (12V)		1								
	5130202	PIPE (12V)			1							
	5130203	PIPE (SCAVENGING) (12V)			1							
	5128872	PIPE (16V)									1	
	5130624	PIPE (16V)				1						
	5130434	PIPE (SCAVENGING) (16V)				1						
	5128250	PIPE (12V)					1					
	5141151	PIPE (12V)						1				
	5141081	PIPE (SCAVENGING) (12V)						1				
	5125760	PIPE (12V)							1			
	5124312	FLANGE			1							
	5128874	FLANGE	1								1	
	5128876	SUPPORT, SCAVENGING INLET PIPE	2								2	
	5134455	CLIP	2								2	
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2					2			2	2
	179839	BOLT, 3/8"-16X1" (12.9001)		2	4		2	2	2			
	186627	BOLT, 3/8"-24X1" (12.9001)	1								1	
	186622	BOLT, 3/8"-16X1 1/8" (12.9001)				2				2	2	
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)	1		2						1	
	5148481	BOLT ASSY., 3/8"-16X1 3/8" (W/LW) (12.9001)	2									
	179847	BOLT, 3/8"-16X2" (12.9001)	3			3					3	
	103341	WASHER, 3/8" (12.9190)	4								4	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)	2		2						2	
		4.1520 - GASKET OIL PUMP INLET PIPE										
	5128891	GASKET	3			3					3	
	5123660	GASKET (4.1300)		1				1				
	5167380	GASKET		1	2		1	2	1	1		1
	5123241	GASKET			1		1	1	1			1
	5124798	GASKET (4.4184)			1							
	5128875	GASKET (SCAV. INLET)	1			1					1	
	5123235	GASKET (OIL PUMP COVER) (4.1232)										1
	5117242	GASKET								1		
		4.1530 - SCREEN, OIL PUMP INLET										
2A,B,C	5101176	SCREEN	2	1	1	2	1	2	1	1	2	1
2A,B,C	5155830	SCREEN			1							
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)	4	2	2	4	2	4	2	2	4	2
	5165211	SPACER, 1/2"X9/16" (4.8001)			2							
	5104604	BOLT, 1/4"-20X1.25" (SEAL PATCH) (4.8001)			2							
2C	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	2	2	2	4	2	4	2	2	2	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)										2
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2								2	
	120392	WASHER, 1/4" (12.9190)			2							
2C	103341	WASHER, 3/8" (12.9190)	6	4	4	8	6	8	4	4	6	4
	103319	LOCKWASHER, 1/4" (12.9200)			2							
2C	103321	LOCKWASHER, 3/8" (12.9200)	2								2	
2C	102635	NUT, 3/8"-16 (12.9120)	4	2	2	4	2	4	2	2	4	2

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 508	509	510	511	512	513	514	515	516	517
		4.1540 - BRACKET, OIL PUMP SUPPORT										
2A,C	5109366	BRACKET (LWR.)	1									
2A,C	5109367	BRACKET (UPR.)	1									
2A,C	5179293	BRACKET (SUPPORT, SCAV. TUBE)			4							
2A,C	5125912	BRACKET, 4.40" LG. (SLOTTED HOLES)								2		
2A,C	5130336	BRACKET (LOWER)								2		
	5130468	BRACKET (SCREEN R.H.)				1						
	5131570	BRACKET (SCREEN L.H.)				1						
	5173022	BRACKET				2						
	5124780	BRACKET (2.06" L.G.) (SLOTTED HOLES)					2		4			
	5145236	BRACKET						1				
	5145237	BRACKET						1				
	5176400	BRACKET					2					
	5128932	SUPPORT										2
	3292532	SPACER, 13/32"X7/8"X7/16"				2						
	179837	BOLT, 3/8"-16X3/4" (12.9001)			2				2			2
	5148480	BOLT ASSY., 3/8"-16X7/8" (W/LW) (12.9001)								2		
2C	179838	BOLT, 3/8"-16X7/8" (12.9001)				2	2					
	179839	BOLT, 3/8"-16X1" (12.9001)	2					2				
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)	2		2		2	2	2	2		2
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)				2						
	103341	WASHERS, 3/8" (12.9190)	10		8	5	8	10	10	10		4
	103321	LOCKWASHER, 3/8" (12.9200)	2		2	2	2	2	2			
	192481	NUT, 3/8"-24 (12.9120)	2		2	2	2	2	2	2		2
		4.1550 - COVER, OIL PUMP INLET SCREEN										
2B,C	5118302	COVER		1	1		1	2	1	1		1
2B,C	5128886	COVER	1			2					1	
2B,C	5123662	COVER (OIL PUMP PAD) (4.1290)										1
2B,C	179838	BOLT, 3/8"-16X7/8" (12.9001)										2
2B,C	103321	LOCKWASHER, 3/8" (12.9200)										2
		4.1575 - BRACKET, OIL PUMP OUTLET PIPE										
	5124826	SUPPORT						2				
	5196119	SPACER, 13/32" I.D.X7/8" O.D. (3.4001)						1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)						2				
	186627	BOLT, 3/8"-24X1" (12.9001)						1				
	103321	LOCKWASHER, 3/8" (12.9200)						3				
	117049	NUT, 3/8"-24 (12.9120)						1				
		4.1580 - PIPE, OIL PUMP OUTLET										
	5140999	TUBE ASSY. (SCAVENGING)						1				
	5129924	PIPE (16V)	1								1	
	5128870	PIPE (SCAVENGING) (16V)	1								1	
	5131562	PIPE (16V)				1						
	5129905	PIPE (SCAVENGING) (16V)				1						
	5131561	JUNCTION BLOCK				1						
2A	5129906	JUNCTION BLOCK	1								1	
2A	5106047	JUNCTION BLOCK							1	1		
	8924172	ADAPTOR PIPE, 1/4"-18 W/SEAL PATCH (12.9460)								1		
	8924380	PLUG, 1/8"-27 (4.7001)							2	1		
	8923847	PLUG, 1/4" (4.7001)							1	2		
	187394	COUPLING, 1/8" (12.9580)								1		
	8924176	TEE PIPE, 1/4"-18 (12.9490)								1		
	8924160	ELBOW, 5/16"X1/4" (12.9460)								1		
	179839	BOLT, 3/8"-16X1" (12.9001)	8			8		2			8	

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 508	509	510	511	512	513	514	515	516	517
		4.1580 - PIPE, OIL PUMP OUTLET (CONT'D)										
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)							2	2		
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	2			2					2	
	103321	LOCKWASHER, 3/8" (12.9200)	10			8		2	2	2	10	
		4.1581 - TUBE, JUNCTION BLOCK INLET										
	5136025	HOSE ASSY., #6X19.00" LG. (2.5050)							1			
	5118781	HOSE ASSY., #4X11.12" LG. (2.5149)							1			
	5144634	HOSE ASSY., #4X15.75 LG.								1		
	5101316	HOSE ASSY., #5X10.00" L.G.								1		
	8924218	CONNECTION (12.9460)								1		
	1508350	FITTING ASM., 1/8"-27 .025 RESTR. (7.4074)							1	1		
	8925030	ELBOW, 90 DEGREE 3/8" TUBE 1/4"-18 W/SEAL PATCH (12.9460)							1			
		4.1590 - GASKET, OIL PUMP OUTLET PIPE										
	5117269	GASKET (JUNCTION BLOCK) (4.1730)	2			2					2	
	2206783	GASKET (OUTLET TO JUNCTION BLOCK) (5.3360)	1			1					1	
	5100153	GASKET (OIL PUMP OUTLET)	1			1					1	
	5128869	GASKET	1			1					1	
	5123235	GASKET						1				
		4.1597 - TUBE, OIL PRESSURE GAGE										
	8924161	ELBOW, 45 DEG. 3/8" TUBE 1/4"-18 W/SEAL (12.9480)							1			1
	8924517	PLUG, 3/8"-18 (VIBRA SEAL) (12.9550)										1

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4.1000C OIL, PRESSURE REGULATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10	11	13	19	20	24	28	32
		4.1670 - REGULATOR, OIL PRESSURE								
		A REGULATOR ASSY. INCLUDES ITEMS IN 4.1680 THRU 4.1701.								
3A	**8921085**	REGULATOR ASSY.	1				1			
3A	**8921088**	REGULATOR ASSY. (4.1671)		1	2	1		1		
3A	**8924505**	VALVE ASSY., RELIEF (4.1670)							1	1
	5125501	COVER, REGULATOR HOLE (4.1671)				1				
	8921933	BOLT, 3/8"-16X.88" (12.9001)	2		4	2	2	2	2	2
	5148480	BOLT, 3/8"-16 X 7/8" (12.9001)		2		4				
3A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)		2						
3A	**103341**	WASHER, 3/8" (12.9190)	2	2	4	2	2	2		2
3A	**5131433**	WASHER, .41"X.81"X.14" SPL. (1.5001)							2	
		4.1671 - RELIEF, VALVE OIL PRESSURE								
		A RELIEF VALVE ASSY. INCLUDES ITEMS IN 4.1680 THRU 4.1701.								
3A	**8921086**	RELIEF VALVE ASSY.	1		1		1		1	1
3B	**5102814**	RELIEF VALVE ASSY.		1				1		
	5145161	PLATE, VALVE ADAPTOR					1			1
3A	**8921933**	BOLT, 3/8"-16X.88" (12.9001)	2	2					2	
3A	**5148480**	BOLT, 3/8"-16X7/8" (12.9001)			2					
3A	**179839**	BOLT, 3/8"-16X1" (12.9001)		2						
3A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)					2			2
3A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)		2				4		
3A	**103341**	WASHER, 3/8" (12.9190)					2			2
3A	**103321**	LOCKWASHER, 3/8" (12.9200)		4			2	4		2
3A	**5131433**	WASHER, .41"X.81"X.14" (1.5001)							4	
		4.1680 - BODY, OIL PRESSURE REGULATOR AND RELIEF								
3A	**8921084**	BODY	2		1		2			
3B	**8921087**	BODY		1	2	1		1		
3B	**5102813**	BODY		1				1		
3A	**8924503**	BODY							2	2
		4.1690 - SPRING, OIL PRESSURE REGULATOR								
3A,B	**5126327**	SPRING (2.96" FREE LENGTH, 15 COILS, CLOSED ENDS, .120" WIRE DIA.) (LARGE)	2	2	3	2	2	2	2	2
3B	**5126326**	SPRING (2.57" FREE LENGTH, 19 COILS, CLOSED ENDS, .086" WIRE DIA.) (SMALL)		1				1		
		4.1700 - VALVE, OIL PRESSURE REGULATOR								
3A,B	**8922740**	VALVE (1.20"L.)	2	2	3	2	2	2	2	2
		4.1701 - SEAT, OIL PRESSURE REGULATOR								
3A,B	**5117957**	SEAT (.22"L.)	2	2	3	2	2	2	2	2
3A,B	**5126325**	SEAT, SPRING (RELIEF VALVE)		2				2		
3A,B	**457008**	PIN, 3/16"X1 1/2" SPRING (12.9270)	2	1	2	1	2		2	2
3A,B	**457009**	PIN, 3/16"X1 3/4" SPRING (12.9270)		2	1	1		1		

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4.1000C OIL, PRESSURE REGULATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10	11	13	19	20	24	28	32
		4.1730 - GASKET, OIL PRESSURE REGULATOR BODY								
3A	**5117269**	GASKET	2	2	3	2	2	2	2	2
3A	**5123240**	GASKET (RELIEF VALVE TO PUMP) (4.1300)		1			1	1		1

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4.1000C OIL PRESSURE REGULATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10	11	13	19	20	24
		4.1730 - GASKET, OIL PRESSURE REGULATOR BODY						
3A	**5117269**	GASKET	2	2	3	2	2	2
	5123240	GASKET (RELIEF VALVE TO PUMP) (4.1300)		1			1	1

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 108	113	119	121	122	123	124	125	126	127	128	130
		4.2240 - FILTER ASSY., OIL												
		SEE ASSEMBLY BREAKDOWN.												
5B	**5121120**	* FILTER ASSY. (FULL FLOW) (PAGE A3) (5134392)	1											
5B	**5117490**	# * FILTER ASSY. (FULL FLOW) (PAGE A1) (5134553)		1										
5B	**5129656**	& * FILTER ASSY. (FULL FLOW) (PAGE A3) (5134553)		1										
5B	**5122609**	@ FILTER ASSY. (FULL FLOW) (PAGE A1)			1									
5B	**5181797**	* FILTER ASSY. (FULL FLOW) (PAGE A1) (5147683)						1	1	1		1		2
5B	**5124065**	FILTER ASSY. (FULL FLOW) (PAGE A1)												
5B	**5125384**	* FILTER ASSY. (FULL FLOW) (PAGE A1) (5147683)											1	
4A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	4	3										
4A	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)			4									
4A	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)		1										
4A	**181361**	BOLT, 3/8"-24X7/8" (12.9001)						4	4					
4A	**181370**	BOLT, 3/8"-24X1 1/4" (12.9001)								4				
	103341	WASHER, 3/8" FLAT (12.9190)	4											
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	4	4	4			4	4	4				
	117049	NUT, 3/8" HEX. (12.9120)								4				
		* NOT SERVICED, USE FILTER ASSY. SHOWN IN PARENTHESES. PLUS (2) 5111798 PLUGS, (2) 1282003 BUSHINGS.												
		# THRU 6VA-198, 8VA-231.												
		& EFF. WITH 6VA-199, 8VA-232.												
		@ NOT SERVICED, USE 5104415, 2-25010495.												
		4.2250 - ELEMENT, OIL FILTER												
		AN ELEMENT INCLUDES GASKET IN 4.2300.												
4A	**5573014**	ELEMENT (AC TYPE PF-132) (PAPER) (FULL FLOW)				2	2				2			
		4.2280 - SHELL, OIL FILTER												
4A	**5574008**	SHELL (AC TYPE OF-203) (INCLUDES PLUG)				2	2				2			
	5570480	PLUG (DRAIN) (2.3050)				2	2				2			

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 108	113	119	121	122	123	124	125	126	127	128	130
		4.2290 - COVER, OIL FILTER												
10B	5124493	* *COVER*					1							
10B	5117668	@ COVER (FULL FLOW)					1							
	5124952	+ COVER (ADAPTOR)									1			
	5121182	PLUG, 1/4" PIPE (12.9550)						2			2			
	5145014	*PLUG, 3/8" PIPE (12.9550)*					1							
	5142549	PLUG, 3/4" PIPE (12.9550)									2			
	5111798	PLUG, 1" PIPE (12.9550)					2							
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)									2			
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)									3			
	179851	BOLT, 3/8"-16X3" (12.9001)									1			
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)					4							
	103321	LOCKWASHER, 3/8" (12.9200)									AR			
	103322	LOCKWASHER, 7/16" (12.9200)					4							
		* EFF. WITH 12VA-436.												
		@ THRU 12VA-435. NOT SERVICED; USE 5124493 & INC. ONE EACH 5133431 VALVE, 5133594 SPRING, 5126686 PLUG & 5575086 GASKET IN 4.2485, 4.2486, 4.2488 & 4.2489.												
		+ NOT SERVICED, USE 8921693, 2-25010495.												
		4.2291 - ADAPTOR, OIL FILTER COVER												
	5123742	ADAPTOR (MOUNTING)					1							
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)					3							
	103322	LOCKWASHER, 7/16" (12.9200)					3							
		4.2293 - GASKET, OIL FILTER ADAPTOR TO OIL COOLER												
	5117575	GASKET (4.2350)					1							
	5189604	GASKET, SPACER					3							
	5124833	GASKET (4.2350)									2			
		4.2300 - GASKET, OIL FILTER COVER												
4A	5571024	GASKET				2	2				2			
		4.2310 - SPRING, OIL FILTER												
4A	5187308	SPRING				2	2				2			
		4.2315 - RETAINER, OIL FILTER SPRING												
4A	5187309	RETAINER				2	2				2			
4A	5120602	* RETAINER, RING				2	2				2			
	122366	@ NUT, 5/8"-18 HEX. (12.9120)				AR	2				2			

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 108	113	119	121	122	123	124	125	126	127	128	130
		4.2315 - RETAINER, OIL FILTER SPRING (CONT'D)												
		* THRU 6VA-17732, 8VA-8325, 12VA-2563, 16VA-168.												
		@ EFFECTIVE WITH 6VA-17733, 8VA-8326, 12VA-2564, 16VA-169.												
		4.2330 - GASKET, OIL FILTER COVER NUT												
4A	5187310	GASKET				2	2				2			
4A	6437298	GASKET (1.1230)				2	2				2			
4A	5154538	GASKET (1.8182)				2	2				2			
		4.2350 - GASKET, OIL FILTER ADAPTOR												
4A	5121205	GASKET	1											
4A	5117487	# GASKET		1										
4A	5123932	* GASKET		1										
	5122533	GASKET			1									
	5117575	GASKET					1							
		# THRU 6VA-198 AND 8VA-231, TYPE 113.												
		* EFFECTIVE WITH 6VA-199 AND 8VA-232, TYPE 113.												
		4.2388 - HOUSING, OIL FILTER BY-PASS VALVE												
10A	5132457	# HOUSING						1	1	1				
10A	5122547	* HOUSING						1	1	1				
	5124388	HOUSING						1						
10A	5124243	@ HOUSING											1	
	5132123	% ADAPTOR (HOUSING) (4.3025)												2
	5142549	PLUG, 3/4" PIPE (12.9550)												4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						2	2	2			2	
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)												8
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)						1	1	1			1	
	179851	BOLT, 3/8"-16X3" (12.9001)						1	1	1			1	
	103321	LOCKWASHER, 3/8" (12.9200)						AR	AR	AR			AR	AR
		# EFFECTIVE WITH 6VA-3283, 8VA-649, TYPES 123, 124, 125.												
		* THRU 6VA-3282, 8VA-648; NOT SERVICED, WHEN REPLACING 5122547 BY 5124388 ALSO INCLUDE ONE EACH 5133431 VALVE, 5133594 SPRING, 5575086 GASKET AND 5126686 PLUG IN 4.2400.												
		@ NOT SERVICED, REPLACE WITH												

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 108	113	119	121	122	123	124	125	126	127	128	130
		4.2388 - HOUSING, OIL FILTER BY-PASS VALVE (CONT'D)												
		5134301 HOUSING AND INCLUDE 1-5198303 VALVE KIT.												
		% NOT SERVICED, REPLACE WITH 5134303 ADAPTOR AND INCLUDE 1-5198303 VALVE KIT.												
		4.2389 - GASKET, OIL FILTER BY-PASS HOUSING												
	5117487	GASKET (4.2350)						1	1	1				
	5123932	GASKET (4.2350)											1	
	5121205	* GASKET												2
		* ALSO SHOWN IN 4.3000A, TYPE 98.												
		4.2410 - STUD, OIL FILTER CENTER												
4A	**5120740**	STUD				2	2				2			
		4.2440 - BRACKET, OIL FILTER MOUNTING												
	5122545	BRACKET						1						
	5126116	* BRACKET								1				
	5124554	@ BRACKET								1				
	447188	BOLT, 5/16"-18X6 3/4" (12.9001)						4						
	180120	@ BOLT, 3/8"-16X3/4" (12.9001)								2				
	180121	* BOLT, 3/8"-16X7/8" (12.9001)								2				

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 108	113	119	121	122	123	124	125	126	127	128	130
		4.2440 - BRACKET, OIL FILTER MOUNTING (CONT'D)												
	427588	@ BOLT, 3/8"-16X2 1/2" (12.9001)								1				
	181374	* BOLT, 3/8"-24X1 1/2" (12.9001)								1				
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)								1				
	120393	WASHER, 5/16" FLAT (12.9190)						AR						
	103320	LOCKWASHER, 5/16" (12.9200)						AR						
	103321	LOCKWASHER, 3/8" (12.9200)								2				
	103323	LOCKWASHER, 1/2" (12.9200)								1				
		* EFFECTIVE WITH 6VA-640, 8VA-326 AND 12VA-210.												
		@ THRU 6VA-639, 8VA-325 AND 12VA-210.												
		4.2460 - SPACER, OIL FILTER MOUNTING												
	5182645	SPACER (1/4"X7/8"L.) (4.8040)						4						
		4.2485 - VALVE, OIL FILTER BY-PASS												
4A	5133431	VALVE (DISC)				1	1	1	1	1	2		1	2
	5187315	* VALVE (STEEL RIVET)						1	1	1				
4A	450865	VALVE (STEEL RIVET)											1	
		* THRU 6VA-3282 AND 8VA-648 TYPES 123, 124, 125.												
		# USE IN 5117668 COVER IN 4.2290.												
		4.2486 - SPRING, OIL FILTER BY-PASS VALVE												
4A	5187314	* SPRING				1	1	1	1	1				
4A	5133594	# SPRING				1	1	1		1	1			
4A	5134477	SPRING										1	1	2
	5144857	SPRING							1					
		* USE IN 5117668 COVER IN 4.2290.												
		# USE IN 5124493 COVER IN 4.2290.												
		4.2488 - PLUG, OIL FILTER BY-PASS VALVE												
4A	5187313	* PLUG				1	1	1	1	1				
4A	5126686	# PLUG				1	1	1	1	1	1			
	5134456	RETAINER											1	2
		* USE IN 5117668 COVER IN 4.2290.												
		# USE IN 5124493 COVER IN 4.2290.												
		4.2489 - GASKET, OIL FILTER BY-PASS VALVE PLUG												
4A	5187316	* GASKET				1	1	1	1	1				
4A	5575086	# GASKET				1	1	1	1	1	1			
		* USE IN 5117668 COVER IN 4.2290.												

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 108	113	119	121	122	123	124	125	126	127	128	130
		4.2489 - GASKET, OIL FILTER BY-PASS VALVE PLUG (CONT'D)												
		# USE IN 5124493 COVER IN 4.2290.												

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 131	132	137	139	141	143	146	150	154	159	163
		4.2240 - FILTER, OIL											
		SEE ASSEMBLY BREAKDOWN.											
5B	**5129656**	@ * FILTER ASSY. (FULL FLOW) (PAGE A3) (5134553)						1					
5B	**5125384**	@ FILTER ASSY. (FULL FLOW) (PAGE A1) (5147683)	1	1									
	5572942	# FILTER ASSY. (BY-PASS) (PAGE A1)		1				2					
5B	**5126546**	FILTER ASSY. (FULL FLOW) (PAGE A1)				1			1				
5B	**5129156**	@ FILTER ASSY. (FULL FLOW) (PAGE A1) (5134541)									1		
5B	**5129123**	@ FILTER ASSY. (FULL FLOW) (PAGE A1) (5134538)											1
	5573162	+ DECAL (FULL FLOW FILTER) (4.2280)	1	1		2		1	2		1		1
	5573199	+ DECAL (BY-PASS FILTER) (4.2280)		1				2					
4A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)						3					3
4A	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)						1					1
4A	**186628**	BOLT, 3/8"-16X1 1/2" (12.9001)									4		
4A	**191249**	BOLT, 3/8"-16X3 3/4" (12.9001)											2
4A	**181370**	BOLT, 3/8"-24X1 1/4" (12.9001)	4										
	103341	WASHER, 3/8" FLAT (12.9190)									4		
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	4					4			4		4
	117049	NUT, 3/8" HEX. (12.9120)	4										
		* EFF. WITH 6VA-199, 8VA-232.											
		@ NOT SERVICED AS AN ASSEMBLY, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE FILTER ASSY. SHOWN IN PARENTHESES PLUS (2) 5111798 PLUGS, (2) 1282003 BUSHINGS.											
		# NOT SERVICED; USE 1-5570141 FILTER, 2-5127156 BRACKETS, 2-132375 BOLTS, 2-138485 LOCKWASHERS & 2-123197 NUTS.											
		+ OBSOLETE.											
		4.2250 - ELEMENT, OIL FILTER											
		AN ELEMENT INCLUDES GASKET IN 4.2300.											
4A	**5573014**	ELEMENT (AC TYPE PF-132) (PAPER)			2		1					2	
		4.2280 - SHELL, OIL FILTER											
4A	**5574008**	SHELL (AC TYPE OF-203) (INCLUDES PLUG)			2		1					2	
	5573162	+ DECAL			2		1					2	
	5570480	PLUG (DRAIN) (2.3050)			2		1					2	
		+ OBSOLETE.											

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 131	132	137	139	141	143	146	150	154	159	163
		4.2290 - COVER, OIL FILTER											
10B	**5124913**	+ COVER (ADAPTOR)			1								
	5124601	* ADAPTOR					1						
#	**5127626**	ADAPTOR (OIL COOLER COVER) (REAR)										1	
#	**5127627**	ADAPTOR (OIL COOLER COVER) (FRONT)										1	
	5121182	PLUG, 1/4" PIPE (12.9550)										2	
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)			20							20	
	215404	BOLT, 5/16-18X5 3/4 (12.9001)										24	
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)										4	
	214054	BOLT, 5/16-18X6 1/4 (12.9001)										4	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			6								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			2								
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					3						
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)					1						
	5155596	WASHER, 21/64"X9/16" CAP (4.7120)										2	
	103320	LOCKWASHER, 5/16" (12.9200)										22	
	103321	LOCKWASHER, 3/8" (12.9200)			AR		AR						
	102635	NUT, 3/8"-16 HEX. (12.9120)			2								
		# FIG. 13D OF 1.0000.											
		* THRU 8VA-22447. NOT SERVICED; FOR REPLACEMENT USE 5144212 ADAPTOR & INCLUDE 1-5198303 VALVE KIT.											
		+ NOT SERVICED, USE 8921692, 2-25010495.											
		4.2300 - GASKET, OIL FILTER COVER											
4A	**5571024**	GASKET			2		1					2	
		4.2310 - SPRING, OIL FILTER											
4A	**5187308**	SPRING			2		1					2	
		4.2315 - RETAINER, OIL FILTER SPRING											
4A	**5187309**	RETAINER			2		1					2	
4A	**5120602**	* RETAINER, RING			2		1					2	
	122366	@ NUT, 5/8"-18 HEX. (12.9120)			2		1					2	
		* THRU 6VA-17732, 8VA-8325, 12VA-2563, 16VA-168.											
		@ EFFECTIVE WITH 6VA-17733, 8VA-8326, 12VA-2564, 16VA-169.											
		4.2330 - GASKET, OIL FILTER COVER NUT											
4A	**5187310**	GASKET			2							2	
4A	**6437298**	GASKET (1.1230)			2		1					2	
4A	**5154538**	GASKET (1.8182)			2		1						

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 131	132	137	139	141	143	146	150	154	159	163
		4.2330 - GASKET, OIL FILTER COVER NUT (CONT'D)											
4A	**5187310**	GASKET					1						
		4.2350 - GASKET, OIL FILTER ADAPTOR											
4A	**5121205**	GASKET									1		
4A	**5117487**	# GASKET						1					1
4A	**5123932**	* GASKET					1	1					1
	5124820	GASKET (4.4328)			2								
4A	**5187312**	GASKET										2	
		# THRU 6VA-198 AND 8VA-231, TYPE 113.											
		* EFF. WITH 6VA-199 AND 8VA-232, TYPE 113.											
		4.2388 - HOUSING, OIL FILTER BY-PASS VALVE											
10A	**5124243**	* HOUSING	1	1						1			
10A	**5123231**	HOUSING							1				
	5111798	PLUG, 1" PIPE (TEFLON) (12.9550)		2						2			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2						2			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							4				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	1	1						1			
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)								1			
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	1										
	186289	BOLT, 3/8"-16X5" (12.9001)		1									
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR					AR	AR			
		* NOT SERVICED; REPLACE WITH 5134301 HOUSING AND INCLUDE 1-5198303 VALVE KIT.											
		4.2389 - GASKET, OIL FILTER BY-PASS HOUSING											
	5123932	GASKET (4.2350)	1	1						1			
	5122533	GASKET (4.2350)							1				

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 131	132	137	139	141	143	146	150	154	159	163
		4.2410 - STUD, OIL FILTER CENTER											
4A	**5120740**	STUD			2		1					2	
		4.2440 - BRACKET, OIL FILTER MOUNTING											
	5126116	* BRACKET	1										
	5124554	@ BRACKET	1										
	5124880	BRACKET			1								
	180120	@ BOLT, 3/8"-16X3/4" (12.9001)	2										
	180121	* BOLT, 3/8"-16X7/8" (12.9001)	2										
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2								
	181374	* BOLT, 3/8"-24X1 1/2" (12.9001)	1										
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)	1										
	103321	LOCKWASHER, 3/8" (12.9200)	2		2								
	103323	LOCKWASHER, 1/2" (12.9200)	1										
		* EFFECTIVE WITH 6VA-640, 8VA-326 AND 12VA-210.											
		@ THRU 6VA-639, 8VA-325 AND 12VA-210.											
		4.2485 - VALVE, OIL FILTER BY-PASS											
4A	**5133431**	VALVE (DISC)	1	1	1		1		1	1		2	
	450865	SCREW, #8-32X5/16" RD. HD. (12.9001)	1	1			1						
		4.2486 - SPRING, OIL FILTER BY-PASS VALVE											
4A	**5133594**	SPRING			1				1			2	
4A	**5134477**	SPRING	1	1			1			1			
		4.2488 - PLUG, OIL FILTER BY-PASS VALVE											
4A	**5126686**	# PLUG			1				1			2	
	5134456	RETAINER	1	1			1			1			
	450865	SCREW, #8-32X5/16" (12.9025)	1	1			1			1			
		# USE IN 5124493 COVER IN 4.2290.											
		4.2489 - GASKET, OIL FILTER BY-PASS VALVE PLUG											
4A	**5575086**	# GASKET			1				1			2	
		# USE IN 5124493 COVER IN 4.2290.											

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 164	166	168	171	175	178	179	182	183	187	190	191
	4.2240	**- FILTER, OIL**												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
5B	**5129656**	* FILTER ASSY. (FULL FLOW) (PAGE A3) (5134553)	1			1								
5B	**5125384**	* FILTER ASSY. (FULL FLOW) (PAGE A1) (5147683)		1	1							1		
	2420014	FILTER ASSY. (BY-PASS) (PAGE A3)				1								
5B	**5121120**	* FILTER ASSY. (FULL FLOW) (PAGE A3) (5134392)					1	2						
	5199767	FILTER ASSY. (FULL FLOW) (PAGE A3)							2					
	5572941	FILTER ASSY. (BY-PASS) (PAGE A3)									1			
	2325391	FILTER ASSY. (BY-PASS) (PAGE A3)											1	
	5181797	* FILTER ASSY. (FULL FLOW) (PAGE A1) (5147683)												1
	5133279	BUSHING, 1/2"X1/4" RED. (.062" RESTRICTION) (4.3001)											1	
	5573162	+ DECAL (FULL FLOW FILTER) (4.2280)	1	1	1	1	1	2	4			1		1
	5199767	DECAL (BY-PASS FILTER) (4.2280)									1			
	5128206	CONNECTOR (.055" RESTRICTED) (7.4596)				1								
4A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	3			3	4							
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)						8						
4A	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)	1			1								
	181361	BOLT, 3/8"-24X7/8" (12.9001)												4
4A	**186627**	BOLT, 3/8"-24X1" (12.9001)			4									
	103341	WASHER, 3/8" FLAT (12.9190)					4	8						
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	4		4	4	4	8						4
		* NOT SERVICED AS AN ASSEMBLY; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PART NUMBER SHOWN IN PARENTHESES PLUS (2) 5111798 PLUGS AND (2) 128003 BUSHINGS.												
		+ OBSOLETE.												
	4.2250	**- ELEMENT, OIL FILTER**												
		INCLUDES GASKET IN 4.2300.												
4A	**5573014**	ELEMENT (AC TYPE PF-132) (PAPER) (FULL FLOW)								2				
	4.2280	**- SHELL, OIL FILTER**												
4A	**5574008**	SHELL (AC TYPE OF-203) (INCLUDES PLUG)								2				
	5570480	PLUG (DRAIN) (2.3050)								2				

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 164	166	168	171	175	178	179	182	183	187	190	191
		4.2280 - SHELL, OIL FILTER (CONT'D)												
	5573162	+ DECAL								2				
		+ OBSOLETE.												
		4.2290 - COVER, OIL FILTER												
10B	5124493	COVER								1				
	5121182	PLUG, 1/4" PIPE (12.9550)								2				
	5145014	PLUG, 3/8" PIPE (12.9550)								1				
	5111798	PLUG, 1" PIPE (12.9550)								2				
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)								4				
	103322	LOCKWASHER, 7/16" (12.9200)								4				
		4.2291 - ADAPTOR, OIL FILTER COVER												
	5130011	* ADAPTOR (MOUNTING)					1							
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)					3							
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)					1							
	103321	LOCKWASHER, 3/8" (12.9200)					AR							
		* OBSOLETE												
		4.2293 - GASKET, OIL FILTER ADAPTOR TO OIL COOLER												
	5117575	GASKET (4.2350)								1				
		4.2300 - GASKET, OIL FILTER COVER												
4A	5571024	GASKET								2				
		4.2310 - SPRING, OIL FILTER												
4A	5187308	SPRING								2				
		4.2315 - RETAINER, OIL FILTER SPRING												
4A	5187309	RETAINER								2				
4A	5120602	* RING, RETAINER SNAP								2				
	122366	@ NUT, 5/8"-18 HEX. (12.9120)								2				
		* THRU 12VA-2563.												
		@ EFFECTIVE WITH 12VA-2564.												
		4.2330 - GASKET, OIL FILTER COVER NUT												
4A	5187310	GASKET								2				
4A	6437298	GASKET								2				
4A	5154538	GASKET (1.8182)								2				

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 164	166	168	171	175	178	179	182	183	187	190	191
		4.2350 - GASKET, OIL FILTER ADAPTOR												
4A	5117487	GASKET	1			1	1							
4A	5121205	GASKET (FILTER TO ADAPTOR)					1	1						
		4.2388 - HOUSING, OIL FILTER BY-PASS VALVE												
10A	5132457	HOUSING			1							1		1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2							2		2
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			1							1		1
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)			1							1		1
	103321	LOCKWASHER, 3/8" (12.9200)			4							4		4
		4.2389 - GASKET, OIL FILTER BY-PASS HOUSING												
	5117487	GASKET (4.2350)			1							1		1
		4.2400 - VALVE, OIL FILTER BY-PASS												
	5133431	VALVE (DISC) (4.2485)			1					1		1		1
	5133594	SPRING (4.2486)			1					1				1
	5144857	SPRING (4.2486)										1		
	5126686	PLUG (4.2488)			1					1		1		1
	5575086	GASKET (4.2489)			1					1		1		
	5117487	GASKET (4.2350)												1
		4.2410 - STUD, OIL FILTER CENTER												
4A	5120740	STUD								2				
		4.2440 - BRACKET, OIL FILTER MOUNTING												
	5109391	+ BRACKET			1									
	447188	BOLT, 5/16"-18X6 3/4" (12.9001)												4
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)			3									
	120393	WASHER, 5/16" FLAT (12.9190)												4
	103320	LOCKWASHER, 5/16" (12.9200)												4
	103322	LOCKWASHER, 7/16" (12.9200)			3									
		+ OBSOLETE.												
		4.2460 - SPACER, OIL FILTER MOUNTING												
	5113924	SPACER, 7/16"X19/32" (12.6670)												4

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	195	200	204	207	208	211	212	213	214	215
		4.2240 - FILTER, OIL											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.											
5B	**5129656**	* FILTER ASSY. (FULL FLOW) (PAGE A3) (5134553)	1										
5B	**5125384**	* FILTER ASSY. (FULL FLOW) (PAGE A1) (5147683)											1
	5181797	* FILTER ASSY. (FULL FLOW) (PAGE A1) (5147683)						1			1	1	
5B	**5135056**	* FILTER ASSY. (FULL FLOW) (PAGE B1) (5135163)			1								
5B	**5134553**	FILTER ASSY. (FULL FLOW) (PAGE B1)				1							
	5136006	FILTER ASSY. (FULL FLOW) (PAGE B1)					1						
	5135163	FILTER ASSY. (FULL FLOW) (PAGE B1)							1				
	128003	BUSHING, 1"X3/4" RED. (12.9550)					1						
	5573162	+ DECAL (FULL FLOW FILTER) (4.2280)	1			1	1	1			1	1	1
	5579405	+ DECAL (4.2280)			1				1				
	5142549	PLUG, 3/4" PIPE (12.9550)			1								
	5111798	PLUG, 1" PIPE (12.9550)					1						
4A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	2		3	3	4		3		4	4	
4A	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)			1	1			1				
	455537	BOLT, 3/8"-16X4" (12.9001)	1										
	9419864	BOLT, 3/8"-16X5" (12.9001)	1										
	181361	BOLT, 3/8"-24X7/8" (12.9001)						4					
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	4		4	4	4	4	4		4	4	
	123221	NUT, 3/8"-16 HEX. (12.9120)					4						
		* NOT SERVICED AS AN ASSEMBLY; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PART NUMBER SHOWN IN PARENTHESES PLUS (2) 5111798 PLUGS AND (2) 128003 BUSHINGS.											
		+ OBSOLETE.											
		4.2250 - ELEMENT, OIL FILTER											
		INCLUDES GASKET IN 4.2300.											
4A	**5573014**	ELEMENT (AC TYPE PF-132) (PAPER) (FULL FLOW)		2						1			
		4.2280 - SHELL, OIL FILTER											
4A	**5574008**	SHELL (AC TYPE OF-203) (INCLUDES PLUG)		2						1			
	5570480	PLUG (DRAIN) (2.3050)		2						1			
	5573162	+ DECAL								1			
		+ OBSOLETE.											

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	195	200	204	207	208	211	212	213	214	215
		4.2290 - COVER, OIL FILTER											
	5132361	COVER (FRONT)		1									
	5132360	COVER (REAR)		1									
	5144212	COVER (ADAPTOR)								1			
	5145010	PLUG, 1/4" PIPE (12.9550)		2									
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)		20									
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)		4									
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)								3			
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)								1			
	103320	LOCKWASHER, 5/16" (12.9200)		24									
	103321	LOCKWASHER, 3/8" (12.9200)								4			
		4.2291 - ADAPTOR, OIL FILTER COVER											
	5133084	ADAPTOR (MOUNTING) (4.2290)	1										
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	1										
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	1										
	103321	LOCKWASHER, 3/8" (12.9200)	AR										
		4.2300 - GASKET, OIL FILTER COVER											
4A	5571024	GASKET		2						1			
		4.2310 - SPRING, OIL FILTER											
4A	5187308	SPRING		2						1			
		4.2315 - RETAINER, OIL FILTER SPRING											
4A	5187309	RETAINER		2						1			
	122366	* NUT, 5/8"-18 HEX. (12.9120)		2						1			
		* EFFECTIVE WITH 12VA-2564.											
		4.2330 - GASKET, OIL FILTER COVER NUT											
4A	5187310	GASKET		2						1			
4A	6437298	GASKET		2						1			
4A	5154538	GASKET (1.8182)		2									
		4.2350 - GASKET, OIL FILTER ADAPTOR											
	5123932	GASKET (FILTER TO ADAPTOR)	1		1	1			1	1			
	5117487	GASKET (ADAPTOR TO BLOCK)	1										
	5187312	GASKET		2									

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	195	200	204	207	208	211	212	213	214	215
		4.2388 - HOUSING, OIL FILTER BY-PASS VALVE											
10A	5132457	HOUSING			1						1	1	
10A	5134301	HOUSING					1						1
10A	5144855	HOUSING											2
	5111798	PLUG, 1" PIPE (12.9550)					2	2			2	2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1	1			1	1	1
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)											1
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)											1
	186285	BOLT, 3/8"-16X4" (12.9001)					1	1			1	1	
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)					4	4			4	4	4
	103321	LOCKWASHER, 3/8" (12.9200)											
		4.2389 - GASKET, OIL FILTER BY-PASS HOUSING											
	5117487	GASKET (4.2350)					1	1			1	1	1
		4.2400 - VALVE, OIL FILTER BY-PASS											
	5133431	VALVE (DISC) (4.2485)		2			1	1		1	1	1	1
	5133594	SPRING (4.2486)		2				1			1	1	
	5134477	SPRING (4.2486)					1			1			
	5144857	SPRING (4.2486)											1
	5134456	RETAINER (4.2488)					1			1			1
	5126686	PLUG (4.2488)		2				1			1	1	1
	5575086	GASKET (4.2489)		2				1			1	1	
	5117487	GASKET (4.2350)											1
	106221	SCREW, #12-24X3/4" RD. HD. (12.9065)		1			1						1
		4.2410 - STUD, OIL FILTER CENTER											
4A	5120740	STUD		1						1			
		4.2440 - BRACKET, OIL FILTER MOUNTING											
	5135495	BRACKET					1						
	5135867	BRACKET									1	1	
	180737	BOLT, 5/16"-18X7" (12.9001)									2	2	
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)										2	
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)									2		
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)					2						
	103320	LOCKWASHER, 5/16" (12.9200)									2	4	
	103321	LOCKWASHER, 3/8" (12.9200)									2	2	
	103323	LOCKWASHER, 1/2" (12.9200)					2						

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	195	200	204	207	208	211	212	213	214	215
		4.2460 - SPACER, OIL FILTER MOUNTING											
	5183276	SPACER (11.1073)					2						
	5118956	SPACER, 13/32"I.D.X3/4"X1 1/8"L. (7.1595)									2		
	5163014	SPACER, 13/32"X1 1/4" (7.4005)									2		
	5164789	SPACER, 7/8"X13/32"X3/8" (5.4025)										1	
		4.2470 - SUPPORT, OIL FILTER MOUNTING											
	5135871	SUPPORT (REAR) (4.2440)					1						
	5135872	SUPPORT (FRONT) (4.2440)					1						
	5115323	SPACER (2.9010)					1						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					1						
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)					1						
	103322	LOCKWASHER, 7/16" (12.9200)					1						

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 217	223	228	230	231	233	234	246	251	255	256	261
		4.2240 - FILTER, OIL												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
10A	**5125384**	* FILTER ASSY. (FULL FLOW) (PAGE A1) (5147683)	1	1					1	1				
5B	**5134541**	□ FILTER ASSY. (FULL FLOW) (PAGE A5)			1									
5B	**5134392**	FILTER ASSY. (FULL FLOW) (PAGE A5)				1								
10A	**5137659**	* FILTER ASSY. (FULL FLOW) (PAGE A5) (5147683)					1							
5B	**5134553**	FILTER ASSY. (FULL FLOW) (PAGE A3)						1						
	5572942	@ FILTER ASSY. (BY-PASS) (PAGE A1)								1				
	5136006	FILTER ASSY. (FULL FLOW) (PAGE A3)									1			
	5572941	FILTER ASSY. (BY-PASS) (PAGE A3)											1	
5B	**5139066**	? FILTER ASSY. (FULL FLOW) (PAGE A5)												1
	5573162	+ DECAL (FULL FLOW FILTER)	1	1	1	1	1	1	1					1
	5573199	+ DECAL (BY-PASS FILTER)								1			2	
	128003	BUSHING, 1"X3/4" RED. (12.9570)									AR			
	5111798	PLUG, 1" PIPE (12.9550)									AR			
	180121	BOLT, 3/8"-16X7/8" (12.9001)											8	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						2						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				4		1			4			3
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)												1
	455537	BOLT, 3/8"-16X4" (12.9001)						1						
	9418964	BOLT, 3/8"-16X5" (12.9001)						1						
	186627	BOLT, 3/8"-24X1" (12.9001)	4											
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)							4					
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)					4							
	103341	WASHER, 3/8" FLAT (12.9190)									4			
	103321	LOCKWASHER, 3/8" (12.9200)	4			4	4		4		4		8	4
	117049	NUT, 3/8"-24 HEX. (12.9120)					4		4		4			
	123221	NUT, 3/8"-16 HEX. (12.9120)									4			3

* NOT SERVICED AS AN ASSEMBLY; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PART NUMBER SHOWN IN PARENTHESES PLUS (2) 5111798 PLUGS AND (2) 128003 BUSHINGS.

@ NOT SERVICED. USE 1-5570141 FILTER, 2-5127156 BRACKETS, 2-132375 BOLTS, 2-138485 LOCKWASHERS AND 2-120376 NUTS.

? NOT SERVICED, USE 8922199, 25010495.

□ NOT SERVICED, USE 5104419, 8921708, 25010495.

\+ OBSOLETE.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 217	223	228	230	231	233	234	246	251	255	256	261
		4.2250 - ELEMENT, OIL FILTER												
		AN ELEMENT INCLUDES GASKET IN 4.2300.												
4A	**5573014**	ELEMENT (AC TYPE PF-132) (PAPER)											2	

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 217	223	228	230	231	233	234	246	251	255	256	261
		4.2250 - ELEMENT, OIL FILTER (CONT'D)												
		(FULL FLOW)												
		4.2280 - SHELL, OIL FILTER												
4A	**5574008**	SHELL (AC TYPE OF-203) (INCLUDES PLUG)											2	
	5111798	PLUG, 1" PIPE (12.9550)											2	
		4.2290 - COVER, OIL FILTER												
10B	**5124493**	COVER											1	
	5145010	PLUG, 1/4" PIPE (12.9550)											2	
	5145014	PLUG, 3/8" PIPE (12.9550)											1	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)											4	
	103322	LOCKWASHER, 7/16" (12.9200)											4	
		4.2291 - ADAPTOR, OIL FILTER COVER												
	5130011	* ADAPTOR				1								
	5133084	ADAPTOR						1						
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				3		1						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						3						
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)						1						
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)				1								
	103321	LOCKWASHER, 3/8" (12.9200)				AR		AR						
		* OBSOLETE												
		4.2293 - GASKET, OIL FILTER ADAPTOR TO OIL COOLER												
	5189604	GASKET											2	
	5117575	GASKET											1	
		4.2300 - GASKET, OIL FILTER COVER												
4A	**5571024**	GASKET											2	
		4.2310 - SPRING, OIL FILTER												
4A	**5187308**	SPRING											2	

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 217	223	228	230	231	233	234	246	251	255	256	261
		4.2315 - RETAINER, OIL FILTER SPRING												
4A	**5187309**	RETAINER											2	
	122366	NUT, 5/8"-18 HEX. (12.9120)											2	
		4.2330 - GASKET, OIL FILTER COVER NUT												
4A	**5187310**	GASKET											2	
4A	**6437298**	GASKET											2	
4A	**5154538**	WASHER (1.8182)											2	
		4.2350 - GASKET, OIL FILTER ADAPTOR												
	5121205	GASKET (FILTER TO ADAPTOR)			1	1								
	5117487	GASKET (ADAPTOR TO BLOCK)	1			1	1	1						
	5123932	GASKET (FILTER TO ADAPTOR)						1		1				1
		4.2388 - HOUSING, OIL FILTER BY-PASS VALVE												
10A	**5132457**	HOUSING	1	1			1							
10A	**5134301**	HOUSING							1			1		
10A	**5144855**	HOUSING								1	1			
	5111798	PLUG, 1" PIPE (12.9550)								2		2		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2			2			2	2	2		
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							2					
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	1	1			1		1	1	1	1		
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)	1	1			1				1	1		
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)							1					
	9418964	BOLT, 3/8"-16X5" (12.9001)								1				
	103321	LOCKWASHER, 3/8" (12.9200)	4	4			4		4	4	4	4		
		4.2389 - GASKET, OIL FILTER BY-PASS HOUSING												
	5117487	GASKET (4.2350)	1	1					1		1	1		

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 217	223	228	230	231	233	234	246	251	255	256	261
		4.2410 - STUD, OIL FILTER CENTER												
4A	**5120740**	STUD											2	
		4.2440 - BRACKET, OIL FILTER MOUNTING												
	5137046	BRACKET	1											
	5137775	BRACKET					1							
	5126116	BRACKET							1					
	5135495	BRACKET									1			
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)	4											
	180121	BOLT, 3/8"-16X7/8" (12.9001)							2					
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					3							
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)					1							
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)							1					
	186689	BOLT, 1/2"-13X2" (12.9001)									2			
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)							1					
	5159347	WASHER (21/64"X1" FLAT) (7.1581)	4											
	106261	WASHER, 5/16" FLAT (12.9190)	4											
	103321	LOCKWASHER, 3/8" (12.9200)							2					
	103323	LOCKWASHER, 1/2" (12.9200)									2			
		4.2460 - SPACER, OIL FILTER MOUNTING												
	5124849	SPACER (7.4538)					4							
	5116266	SPACER (2.9010)									2			
	5115323	SPACER (2.9010)									1			
		4.2470 - SUPPORT, OIL FILTER MOUNTING												
	5135871	SUPPORT (FRONT)									1			
	5135872	SUPPORT (REAR)									1			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									1			
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)									1			
	103322	LOCKWASHER, 7/16" (12.9200)									AR			
		4.2485 - VALVE, OIL FILTER BY-PASS												
4A	**5133431**	# VALVE (DISC)	1	1			1		1	1	1	1	1	
		# USE IN 5124493 COVER IN 4.2290.												
		4.2486 - SPRING, OIL FILTER BY-PASS VALVE												
4A	**5133594**	# SPRING		1			1						1	
	5144857	SPRING	1							1	1			
	5134477	SPRING							1			1		
		# USE IN 5124493 COVER IN 4.2290.												

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 217	223	228	230	231	233	234	246	251	255	256	261
		4.2488 - PLUG, OIL FILTER BY-PASS												
	5126686	# PLUG	1	1			1						1	
	5134456	RETAINER							1	1	1	1		
	450865	SCREW, #12-24X3/4" (12.9025)							1	1	1	1		
		# USE IN 5124493 COVER IN 4.2290.												
		4.2489 - GASKET, OIL FILTER BY-PASS VALVE PLUG												
4A	**5575086**	# GASKET	1	1			1						1	
		# USE IN 5124493 COVER IN 4.2290.												

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 271	274	287	289	290	295	297	301	305	307	308
		4.2240 - FILTER, OIL											
		▪ FOR TYPE 310 USE TYPE 127.▪ *SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.*											
5B	**5134392**	FILTER ASSY. (FULL FLOW) (PAGE A5)							1				
	5136006	FILTER ASSY. (FULL FLOW) (PAGE A3)				1	1					1	
	5136479	# FILTER ASSY. (FULL FLOW) (PAGE A5)	1										
5B	**5136524**	FILTER ASSY. (FULL FLOW) (PAGE A5)		1									
	5573162	+ DECAL (FULL FLOW FILTER)		1		1	1		1			1	
	108687	ELBOW, 1"-90 DEG. STREET								2			
	5183079	CONNECTOR, 1" TUBE (9.1720)								1			
	128003	BUSHING, 1"X3/4" RED. (12.9570)				2	AR					AR	
	112578	PLUG, 1/4" PIPE (12.9550)				2	2					2	
	5111798	PLUG, 1" PIPE (12.9550)				2	AR					AR	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				4	4					4	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)							4				
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)								4			
	103321	LOCKWASHER, 3/8" (12.9200)				4	4		4	4		4	
	117049	NUT, 3/8"-24 HEX. (12.9120)								4			
		+ OBSOLETE.											
		# NOT SERVICED, USE 1-8920979 ADAPTOR AND 2-25010495 ELEMENT PKG.											
		4.2250 - ELEMENT, OIL FILTER											
		AN ELEMENT INCLUDES GASKET IN 4.2300.											
4A	**5573014**	ELEMENT (AC TYPE PF-132) (PAPER) (FULL FLOW)						2		1	1		2
		4.2280 - SHELL, OIL FILTER											
4A	**5574008**	SHELL (AC TYPE OF-203) (INCLUDES PLUG)								1	1		1
	5573162	+ DECAL											1
		+ OBSOLETE.											
		4.2290 - COVER, OIL FILTER											
	5130998	COVER											1
	5127626	ADAPTOR (OIL COOLER COVER) REAR											1
	5121182	PLUG, 1/4" PIPE (12.9550)								1	1		2
	106327	BOLT, 5/16"-18X1 3/8"											1
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)											8
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)											2
	215386	BOLT, 5/16"-18X6" (12.9001)											4
	5155596	WASHER, 5/16" FLAT (4.7120)											1
	103320	LOCKWASHER, 5/16" (12.9200)											AR

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 271	274	287	289	290	295	297	301	305	307	308
		4.2291 - ADAPTOR, OIL FILTER COVER											
	5144344	ADAPTOR (4.2290)							1				
	5125383 *	ADAPTOR								1			
	5123382	ADAPTOR									1		1
	108687	ELBOW, 1"-90 DEG. STREET (12.9590)								2			
	5183079	CONNECTOR, 1" TUBE (9.1720)								1			
	5184291	CLIP, 1 1/4" (8.3820)								1			
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)							1				
	103321	LOCKWASHER, 3/8" (12.9200)							AR				
		* NOT SERVICED, USE 5147684 PLUS (2) 5111798 PLUGS AND (2) 128003 BUSHINGS.											
		4.2293 - GASKET, OIL FILTER ADAPTOR TO OIL COOLER											
	5187312	GASKET (4.2350)											1
	5130997	GASKET (OIL COOLER COVER) (4.4060)											1
		4.2300 - GASKET, OIL FILTER COVER											
4A	5571024	GASKET								1	1		2
		4.2310 - SPRING, OIL FILTER											
4A	5187308	SPRING								1	1		2
		4.2315 - RETAINER, OIL FILTER SPRING											
4A	5187309	RETAINER								1	1		2
	122366	NUT, 5/8"-18 HEX. (12.9120)								1	1		2
		4.2330 - GASKET, OIL FILTER COVER NUT											
4A	5187310	GASKET								1	1		2
4A	6437298	GASKET								1	1		2
4A	5154538	WASHER (1.8182)								1	1		2
		4.2350 - GASKET, OIL FILTER ADAPTOR											
	5121205	GASKET (FILTER TO ADAPTOR)							1				
	5117487	GASKET (ADAPTOR TO BLOCK)							1				
	5123932	GASKET (FILTER TO ADAPTOR)				1	1						

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 271	274	287	289	290	295	297	301	305	307	308
		4.2388 - HOUSING, OIL FILTER BY-PASS VALVE											
10A	**5132457**	HOUSING			1							1	
10A	**5144855**	HOUSING				1	1			1			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2	2	2					2	
	179851	BOLT, 3/8"-16X3" (12.9001)								3			
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			1	1	1					1	
	455537	BOLT, 3/8"-16X4" (12.9001)								1			
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)			1	1	1					1	
	103321	LOCKWASHER, 3/8" (12.9200)			4	4	4			4		4	
		4.2389 - GASKET, OIL FILTER BY-PASS HOUSING											
	5117487	GASKET (4.2350)			1					1		1	
		4.2410 - STUD, OIL FILTER CENTER											
4A	**5120740**	STUD									1		2
		4.2440 - BRACKET, OIL FILTER MOUNTING											
	5126116	BRACKET								1			
	180121	BOLT, 3/8"-16X7/8" (12.9001)								2			
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)								1			
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)								1			
	103321	LOCKWASHER, 3/8" (12.9200)								2			
		4.2470 - SUPPORT, OIL FILTER MOUNTING											
	5135867	SUPPORT				1	1					1	
	5118956	SPACER (13/32"I.D.X3/4"O.D.) (7.1595)				2						2	
	5164294	SPACER (13/32"I.D.X7/8"O.D.) (5.4025)					2						
	5163014	SPACER (13/32"I.D.X1 1/4"O.D.) (7.4005)				2						2	
	5195500	SPACER (13/32"I.D.X.624"O.D.X.380") (12.4050)					2						

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 271	274	287	289	290	295	297	301	305	307	308
		4.2470 - SUPPORT, OIL FILTER MOUNTING (CONT'D)											
	180737	BOLT, 5/16"-18X7" (12.9001)					2					2	
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)					2						
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)				2						2	
	103320	LOCKWASHER, 5/16" (12.9200)				AR	AR						
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR					AR	
		4.2485 - VALVE, OIL FILTER BY-PASS											
4A	**5133431**	# VALVE (DISC)			1	1	1			1	1	1	
4A	**5133431**	VALVE (DISC) # USE IN 5124493 COVER IN 4.2290.											2
		4.2486 - SPRING, OIL FILTER BY-PASS VALVE											
4A	**5133594**	# SPRING									1		2
4A	**5134477**	SPRING				1	1						
4A	**5575087**	SPRING									1		
	5144857	SPRING # USE IN 5124493 COVER IN 4.2290.			1	1	1			1		1	
		4.2488 - PLUG, OIL FILTER BY-PASS											
	5126686	# PLUG			1					1	1	1	2
	5134456	RETAINER, SPRING				1	1						
	106221	SCREW, #12-24X3/4" RD. HD. (12.9065)				1	1						
		# USE IN 5124493 COVER IN 4.2290.											
		4.2489 - GASKET, OIL FILTER BY-PASS VALVE PLUG											
4A	**5575086**	# GASKET			1					1		1	2
		# USE IN 5124493 COVER IN 4.2290.											

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 370	371	372	373	376	377	378	379	380	381	382	383
		4.2240 - FILTER ASSY., OIL												
		AN ADAPTOR ASSY. INCLUDES ITEMS IN 4.2240, 4.2485, 4.2486, 4.2488 AND 4.2489.												
4A	**5104420**	ADAPTOR ASSY.	1											
4A	**8921690**	ADAPTOR ASSY.		1					1					
4A	**5104415**	ADAPTOR ASSY.			1									
4A	**5104115**	ADAPTOR ASSY.				1	1							1
4A	**8921691**	ADAPTOR ASSY.			-			1					1	
4A	**8921693**	ADAPTOR ASSY.								1				
4A	**8921692**	ADAPTOR ASSY.									1			
	5103892	INSERT, FILTER ADAPTOR	1	2	2	2		2	2	2	2	2	2	2
	5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1	1		2	1	2	1	1	2	1
	5111798	PLUG, 1" PIPE (12.9550)				2	2	2					2	2
	5142549	PLUG, 3/4"-14 PIPE (12.9550)								2				
	5145014	PLUG, 3/8" (12.9550)											1	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		4	4			4			2			
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)											4	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)								3				
	179851	BOLT, 3/8"-16X3" (12.9001)								1				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)								2				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									6			
	103321	LOCKWASHER, 3/8" (12.9200)		4	4					6	8			
	103322	LOCKWASHER, 7/16" (12.9200)						4					4	
	102635	NUT, 3/8"-16 (12.9120)									2			
		4.2250 - ELEMENT, OIL FILTER												
	25010495	ELEMENT	1	2	2	1	1	2	2	2	2	2	2	1
		4.2291 - ADAPTOR, OIL FILTER COVER												
	8921695	ADAPTOR (FRONT) (4.2290)										1		
	8921694	ADAPTOR, R.R. (4.4060)										1		
	5123742	ADAPTOR						1						
	8924826	SPACER			1									
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)										20		
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)										24		
	214054	BOLT, 5/16"-18X6 1/4" (12.9001)										4		
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)						3						
	5155596	WASHER, 21/64"X9/16" (4.7120)										2		
	103320	LOCKWASHER, 5/16" (12.9200)										20		
	103322	LOCKWASHER, 7/16" (12.9200)						3						
		4.2293 - GASKET, OIL FILTER ADAPTOR TO OIL COOLER ADAPTOR												
	5117575	GASKET						1					1	
	5189604	GASKET						1						
	5187312	GASKET (4.2350)										1		

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 370	371	372	373	376	377	378	379	380	381	382	383
		4.2350 - GASKET, OIL FILTER ADAPTOR												
4A	**5122533**	GASKET		1	2									
4A	**5117487**	GASKET				1								1
4A	**5117575**	GASKET						1						
4A	**5124833**	GASKET								2				
4A	**5187312**	GASKET										1		
		4.2388 - HOUSING, OIL FILTER BYPASS VALVE												
10A	**5123231**	HOUSING		1										
10A	**5132457**	HOUSING				1								
10A	**5136701**	HOUSING									1			
10A	**5144855**	HOUSING												1
	5121182	PLUG, 1/4" (12.9550)						2				2	2	
	5145014	PLUG, 3/8" (12.9550)						1						
	5103185	PLUG, 1" (12.9550)												2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				2								
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				1								
	179851	BOLT, 3/8"-16X3" (12.9001)												4
	186285	BOLT, 3/8"-16X4" (12.9001)												1
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)				1								
	103321	LOCKWASHER, 3/8" (12.9200)				4								4
		4.2440 - BRACKET, OIL FILTER MOUNTING												
	5124880	BRACKET									1			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)									2			
		4.2485 - VALVE, OIL FILTER BYPASS												
4A	**5133431**	VALVE (DISC)	1	1	1	1		1	1	1	1	2	1	1
		4.2486 - SPRING, OIL FILTER BYPASS VALVE												
4A	**5133594**	SPRING	1	1	1			1	1	1	1	2	1	
4A	**5144857**	SPRING				1								1
		4.2488 - PLUG, OIL FILTER BYPASS VALVE												
4A	**5126686**	PLUG, 1 1/4"-16	1	1	1	1		1	1	1	1	2	1	1
4A	**5121182**	PLUG, 1/4" (12.9001)								2		2		
		4.2489 - GASKET, OIL FILTER BYPASS PLUG												
4A	**5575086**	GASKET	1	1	1	1		1	1	1	1	2	1	1

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 384	385	386	387	388	389	390	391	392	394	410	411	413
		4.2240 - FILTER, OIL													
		AN ADAPTOR ASSY. INCLUDES ITEMS IN 4.2240, 4.2485, 4.2486, 4.2488 AND 4.2489.													
4A	**5104115**	ADAPTOR ASSY.	1	1			1		1		1				
	8920979	ADAPTOR ASSY.			1			1							1
4A	**5104419**	ADAPTOR ASSY.								1			1		
4A	**5104420**	ADAPTOR ASSY.												1	
4A	**5104416**	ADAPTOR ASSY.													
	8922199	ADAPTOR ASSY.													
	5570141	FILTER	1												
	5103892	INSERT	2	2	2		2		2	2	2		1	1	
	5104419	ADAPTOR ASSY.						1							1
	5111798	PLUG, 1" (12.9550)	2					2	2		2				
	5121182	PLUG, 1" (12.9550)				2				2					
	179845	BOLT, 3/8"-16X1 3/4" (12.9001)		4				4					3	3	4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							4						
	186627	BOLT, 3/8"-24X1" (12.9001)					4								
	112609	BOLT, 3/8"-16X3 3/4" (12.9001)											1	1	
	103341	WASHER, 3/8" (12.9190)					4		4						4
	103321	LOCKWASHER, 3/8" (12.9200)					4	4	4				4	4	4
		4.2250 - ELEMENT, OIL FILTER													
4A	**25010495**	ELEMENT	1	1	1	1	1	1	1	2	1	1	1	1	1
		4.2290 - COVER, OIL FILTER													
4A	**5130998**	COVER								1					
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)								1					
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)								8					
	215386	BOLT, 5/16"-18X6" (12.9001)								4					
	5155596	WASHER, 21/64"X9/16" (12.9190)								1					
	103320	LOCKWASHER, 5/16" (12.9200)								12					
		4.2291 - ADAPTOR, OIL FILTER COVER													
4A	**5144344**	ADAPTOR						1							
4A	**8921694**	ADAPTOR								1					
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						3							
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)						1							
	187512	BOLT, 5/16"-18X5 1/4" (12.9001)								10					
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)								2					
	103321	LOCKWASHER, 3/8" (12.9200)						4							
	103320	LOCKWASHER, 5/16" (12.9200)								12					

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3 8 4	3 8 5	3 8 6	3 8 7	3 8 8	3 8 9	3 9 0	3 9 1	3 9 2	3 9 4	4 1 0	4 1 1	4 1 3
		4.2293 - GASKET, OIL FILTER ADAPTOR TO OIL COOLER													
	5130997	GASKET (OIL COOLER COVER) (4.4060)								1					
		4.2350 - GASKET, OIL FILTER ADAPTOR													
4A	**5117487**	GASKET	1	1				1	1		1				
4A	**8921708**	GASKET						1							1
4A	**5187312**	GASKET								1					
4A	**5123932**	GASKET											1	1	
		4.2388 - HOUSING, OIL FILTER BY-PASS VALVE													
10A	**5144855**	HOUSING	1	1							1				
10A	**5132457**	HOUSING					1		1						
	5103185	PLUG, 1" PIPE (12.9550)	2	2							2				
	179851	BOLT, 3/8"-16X3" (12.9001)	3	3							4				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)					1		1						
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)					1		1						
	103321	LOCKWASHER, 3/8" (12.9200)	4	4			3		4		4				
		4.2440 - BRACKET, OIL FILTER MOUNTING													
	5127156	BRACKET	2												
	5135495	BRACKET		1											
	5137046	BRACKET					1								
	132375	BOLT, 5/16"-18X3" (12.9010)	2												
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)					4								
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)		4											
	186689	BOLT, 1/2"-13X2" (12.9001)		2											
	106261	WASHER, 5/16" (12.9190)					4								
	103341	WASHER, 3/8" (12.9190)		4											
	138485	LOCKWASHER, 5/16" (12.9010)	2												
	103321	LOCKWASHER, 3/8" (12.9010)		4			3								
	120376	NUT, 5/16" (12.9120)	2												
	123221	NUT, 3/8" (12.9120)		4											
		4.2460 - SPACER, OIL FILTER MOUNTING													
	5115323	SPACER (2.9010)		1											
	5159347	SPACER					1								
	5163014	SPACER							2						
	5118956	SPACER							2						
	5116266	SPACER		2											

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 384	385	386	387	388	389	390	391	392	394	410	411	413
		4.2470 - SUPPORT, OIL FILTER MOUNTING													
	5135872	SUPPORT (FRONT)		1											
	5135871	SUPPORT (REAR)		1											
	5135867	SUPPORT							1						
	180737	BOLT, 5/16"-18X7" (12.9001)							2						
	179864	BOLT, 7/16"-14X1 3/4" (12.9001)		1											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1											
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)							2						
	103322	LOCKWASHER, 7/16" (12.9010)		1											
	103321	LOCKWASHER, 3/8" (12.9010)							2						
	103323	LOCKWASHER, 1/2" (12.9010)		2											
		4.2485 - VALVE, OIL FILTER BY-PASS													
4A	5133431	VALVE	1	1			1	1	1	2	1		1	1	1
4A	5136358	VALVE			1										
		4.2486 - SPRING, OIL FILTER BY-PASS													
4A	5133594	SPRING	1	1			1		1	2	1				
4A	5134477	SPRING						1					1	1	1
4A	5144857	SPRING	1	1			1		1		1				
4A	5137984	SPRING			1										
	5134456	RETAINER						1					1	1	1
	160221	SCREW, #12-24X1/2" (12.9026)						1					1	1	1
		4.2488 - PLUG, OIL FILTER BY-PASS													
4A	5121182	PLUG, 1/4" PIPE (12.9550)	1	1	2		1	2	1	2	1		2	2	2
	5126686	PLUG, 1 1/4"	1	1			1		1	2	1				
	5134807	PLUG, 1 1/2"			1										
		4.2489 - GASKET, OIL FILTER BY-PASS VALVE PLUG													
4A	5575086	GASKET	1	1			1		1	2	1				
4A	5134920	GASKET			1										

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4448	4450	4457	4459	4472	4473
		4.2245 - VALVE, OIL CONTROL (THERMATIC)						
	8924898	VALVE (215 F)			1	1	2	2
	8924896	GASKET			1	1		
		4.2250 - ELEMENT, OIL FILTER						
4A	**5573014**	ELEMENT (AC TYPE PF-132) (PAPER) (FULL FLOW)	2					
4A	**25010495**	ELEMENT (AC TYPE PF-911) (LONG) AN ELEMENT INCLUDES GASKET IN 4.2300.			1	1	2	2
		4.2291 - ADAPTOR, OIL FILTER COVER						
2F	**5104420**	ADAPTOR ASSY. (SPIN-ON)		1			1	
2F	**8924895**	ADAPTOR ASSY. (SPIN-ON)			1	1		
	8927271	ADAPTOR (FRONT) (4.4060)					1	
	8927269	ADAPTOR (FRONT-REAR) (4.4060)					1	2
2F	**5103892**	INSERT, FILTER ADAPTOR		1	1	1	2	2
	8924152	BUSHING, 1"X3/4" RED. (12.9570)		2				
	8924517	PLUG, 3/8" PIPE SQ. SOC. (12.9550)					1	
	8923916	PLUG, 1/2" PIPE SQ. SOC. (12.9550)					1	2
	148372	BOLT, 5/16"-18X5 1/8" (12.9001)						12
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)					11	
	214054	BOLT, 5/16"-18X6 1/4" (12.9001)					5	8
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)					4	
	447188	BOLT, 5/16"-18X6 3/4" (12.9001)						4
	180737	BOLT, 5/16"-18X7" (12.9001)					4	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2				
	5104156	BOLT, 3/8"-16X1 1/2" (W/SEAL PATCH) (12.9001)			2	3		
	8925594	BOLT, 3/8"-16X2 3/4" (W/SEAL PATCH)			2			
	8925585	BOLT, 3/8"-16X2 7/8" (W/SEAL PATCH)				1		
	103320	LOCKWASHER, 5/16" (12.9200)					22	24
	103321	LOCKWASHER, 3/8" (12.9200)		4	4	4		
		4.2300 - GASKET, OIL FILTER COVER						
4A	**8926112**	GASKET					2	2
		4.2388 - HOUSING, OIL FILTER BY-PASS VALVE						
2F	**5101164**	HOUSING		1				
2F	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)		2				
2F	**186277**	BOLT, 3/8"-16X2 3/8" (12.9001)		2				
2F	**9418964**	BOLT, 3/8"-16X5" (12.9001)		2				
2F	**103321**	LOCKWASHER, 3/8" (12.9200)		6				
		4.2440 - BRACKET, OIL FILTER MOUNTING						
	8921867	BRACKET		1				
		4.2485 - VALVE, OIL FILTER BY-PASS						
2F	**5133431**	VALVE (DISC)		1	1	1	2	2

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 448	450	457	459	472	473
		4.2486 - SPRING, OIL FILTER BY-PASS VALVE						
2F	**5144857**	SPRING		1				
2F	**5133594**	SPRING		1			2	2
2F	**5134477**	SPRING			1	1		
		4.2488 - PLUG, OIL FILTER BY-PASS VALVE						
2F	**8923847**	PLUG, 1/4" PIPE HEX SOC. HD. (4.7001)			1	1	3	2
2F	**5126686**	PLUG, 1 1/4"-16		1			2	2
2F	**5121182**	PLUG, 1/4" PIPE (2.4015)	1					
	5134456	RETAINER, SPRING			1	1		
	160221	SCREW, #12-24X1/2" PAN HD.			1	1		
		4.2489 - GASKET, OIL FILTER BY-PASS VALVE PLUG						
2F	**5575086**	GASKET		2			2	2

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2240 - FILTER ASSY., OIL														
5B	**5117490**	* FILTER ASSY. (FULL FLOW)	1													
5B	**5122609**	+ FILTER ASSY. (FULL FLOW)			1											
5B	**5124065**	FILTER ASSY. (FULL FLOW)				1										
5B	**5125384**	* FILTER ASSY. (FULL FLOW)					1									
	5126546	FILTER ASSY. (FULL FLOW)							1							
	5129123	* FILTER ASSY. (FULL FLOW)									1					
	5129156	* FILTER ASSY. (FULL FLOW)								1						
5B	**5181797**	* FILTER ASSY. (FULL FLOW)		1												
	5572942	* FILTER ASSY. (BY-PASS)						1								
		* NOT SERVICED; LISTED FOR REFERENCE ONLY.														
		+ NOT SERVICED, USE 5104415, 2-25010495.														
		4.2250 - ELEMENT, OIL FILTER														
4A	**5573014**	ELEMENT (INCLUDES GASKET IN 4.2300) (FULL FLOW)	1	1	2	2	1		2	1	1					
4A	**5572425**	ELEMENT (INCLUDES GASKET IN 4.2300) (BY-PASS)						1								
		4.2270 - SPACER, OIL FILTER														
	5570487	* SPACER						1								
		* OBSOLETE, NO REPLACEMENT.														
		4.2280 - SHELL, OIL FILTER														
4A	**5574008**	SHELL (INCLUDES PLUG) (AC TYPE OF-203) (FULL FLOW)	1	1	2	2	1		2	1	1					
4A	**5572409**	SHELL (INCLUDES PLUG) (BYPASS)						1								
4A	**5570480**	PLUG (DRAIN) (2.3050)	1	1	2	2	1	1	2	1	1					
		4.2290 - COVER, OIL FILTER														
#	**5117488**	@ ADAPTOR	1													
4A	**5188923**	+ ADAPTOR		1												
	5122432	□ ADAPTOR			1											
	5123658	? ADAPTOR				1										
	5125383	+ ADAPTOR					1									
	5124138	ADAPTOR							1							
	5129165	* ADAPTOR								1						
	5128801	& ADAPTOR									1					
	5574128	% COVER ASSY. (INCLUDES ITEM IN 4.2310, 4.2320 AND 4.2330)						1								
	5121182	PLUG, 1/4" PIPE SQ. HD. (12.9550)		2	2	2	1		2	2						
		# FIG. 10C OF 5.0000.														

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2290 - COVER, OIL FILTER (CONT'D)														
		@ NOT SERVICED; REPLACE WITH 5134310 ADAPTOR AND INCLUDE ONE EACH 9406220 SCREW, 5575680 SPRING AND 5574736 RETAINER IN 4.2485, 4.2486 AND 4.2488 THRU 6VA-198, 8VA-231.														
		+ NOT SERVICED. REPLACED BY 5147684 PLUS (2) 5111798 PLUGS AND (2) 128003 BUSHINGS.														
		* NOT SERVICED; REPLACE WITH 5134307 ADAPTOR AND INCLUDE 1-5198303 VALVE KIT.														
		& NOT SERVICED; REPLACE WITH 5133989 ADAPTOR AND INCLUDE 1-5198303 VALVE KIT.														
		% OBSOLETE.														
		□ NOT SERVICED, USE 5104415, 2-25010495.														
		? NOT SERVICED. USE 5124065 ASSEMBLY.														
		4.2300 - GASKET, OIL FILTER COVER														
4A	**5571024**	GASKET	1	1	2	2	1	1	2	1	1					
		4.2310 - SPRING, OIL FILTER														
4A	**5187308**	SPRING	1	1	2	2	1		2	1	1					
		4.2315 - RETAINER, OIL FILTER SPRING														
4A	**5187309**	RETAINER	1	1	2	2	1		2	1	1					
4A	**5120602**	* RING, RETAINER SNAP	1	1	2	2	1		2	1	1					
	122366	@ NUT, 5/8"-18 HEX. (12.9120)	1	1	2	2	1		2	1	1					
		* THRU 6VA-17732, 8VA-8325, 12VA-2563, 16VA-168, 24A-009, 32VA-001.														
		@ EFFECTIVE WITH 6VA-17733, 8VA-8326, 12VA-2564, 16VA-169, 24VA-010, 32VA-002.														
		4.2320 - NUT, OIL FILTER COVER														
	5574127	* BOLT						1								
		* OBSOLETE.														
		4.2330 - GASKET, OIL FILTER COVER NUT														
4A	**5187310**	GASKET (RETAINER) (FULL FLOW FILTER)	1	1	2	2	1		2	1	1					
4A	**6437298**	GASKET (FULL FLOW FILTER)		1	2	2	1	1	2	1	1					
4A	**5154538**	WASHER (1.8182)	1	1	2	2	1		2	1	1					

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2410 - STUD, OIL FILTER CENTER														
4A	**5120740**	STUD	1	1	2	2	1		2	1	1					
		4.2440 - BRACKET, OIL FILTER MOUNTING														
	5127156	STRAP (2.3165)						2								
	132430	BOLT, 3/8"-16X2 1/2" FIL. HD. (12.9010)						2								
	110730	LOCKWASHER, 3/8" (12.9200)						2								
	102635	NUT, 3/8"-16 HEX. (12.9120)						2								
		4.2485 - VALVE, OIL FILTER BY-PASS														
4A	**5133431**	VALVE	1		1	1				1	1					
4A	**5575088**	VALVE														
	9406220	SCREW, #8-32X5/16" SELF TAPPING (12.9065)								1	1					
		4.2486 - SPRING, OIL FILTER BY-PASS														
4A	**5133594**	SPRING	1		1	1				1	1					
4A	**5575680**	SPRING														
		4.2488 - PLUG, OIL FILTER BY-PASS														
4A	**5126686**	PLUG	1		1	1			1							
	5134456	RETAINER								1	1					
		4.2489 - GASKET, OIL FILTER BY-PASS PLUG														
	5575086	GASKET	1		1	1			1							

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2240 - FILTER ASSEMBLY														
	2325391	FILTER ASSY. (BY-PASS)						1								
	2420014	FILTER ASSY. (BY-PASS)			1											
	5121120	* FILTER ASSY. (FULL FLOW)		1												
	5199767	FILTER ASSY. (FULL FLOW)				1										
	5129656	* FILTER ASSY. (FULL FLOW)	1													
	5134553	FILTER ASSY. (FULL FLOW)								1						
	5135056	FILTER ASSY. (FULL FLOW)							1							
	5135163	FILTER ASSY. (FULL FLOW)										1				
	5136006	FILTER ASSY. (FULL FLOW)									1					
	5572941	FILTER ASSY. (BY-PASS)					1									
		* NOT SERVICED; LISTED FOR REFERENCE ONLY.														
		4.2250 - ELEMENT, OIL FILTER														
4A	**5573014**	ELEMENT (AC TYPE PF-132) (INCLUDES GASKET IN 4.2300)	1	1		2			1	1	1	1				
	5572856	ELEMENT			1											
	5572425	ELEMENT (AC TYPE P-117) (BY-PASS)					1									
	5573898	ELEMENT (AC TYPE C-267) (BY-PASS)						1								
		4.2280 - SHELL, OIL FILTER														
4A	**5574008**	SHELL (INCLUDES PLUG) (AC TYPE OF-203)	1	1		2	1			1	1					
	2419674	SHELL			1											
	5576926	SHELL							1			1				
4A	**5570480**	PLUG (DRAIN) (2.3050)	1	1	1	2	1									
		4.2290 - ADAPTOR, OIL FILTER														
	5124977	* ADAPTOR	1						1							
	5121124	# ADAPTOR		1												
	2398708	ADAPTOR			1											
	5123810	ADAPTOR				1										
	5134310	ADAPTOR								1		1				
	5125383	@ ADAPTOR									1					
	5571505	BASE					1									
	5571540	TUBE (IN BASE)					2									
	5121182	PLUG, 1/4" SQ. HD. PIPE (12.9550)		2	1	2	2				2					
	5145014	PLUG, 3/8" PIPE (12.9550)				1										
	5142549	PLUG, 3/4" PIPE (12.9550)				2										
	5154205	NUT (SLEEVE) (4.2280)			1											
		* NOT SERVICED, REPLACE WITH 5100818 ADAPTOR AND INCLUDE 5573711 GASKET.														

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2290 - ADAPTOR, OIL FILTER (CONT'D)														
		# NOT SERVICED, REPLACE WITH 5134908 ADAPTOR AND INCLUDE 1-5198303 VALVE KIT.														
		@ NOT SERVICED. REPLACED BY 5147684 PLUS (2) 5111798 PLUGS AND (2) 128003 BUSHINGS.														
		4.2300 - GASKET, OIL FILTER COVER														
4A	5571024	GASKET	1	1		2	1		1	1	1	1				
	1504107	GASKET			1											
	2399076	GASKET			1											
		4.2310 - SPRING, OIL FILTER														
4A	5187308	SPRING	1	1		2				1	1					
	5573089	SPRING			1											
	1503518	SPRING					1									
	5109692	SPRING							1			1				
		4.2315 - RETAINER, OIL FILTER SPRING														
4A	5187309	RETAINER	1	1		2			1	1	1	1				
	2367414	RETAINER			1											
4A	5120602 *	RING, RETAINER SNAP (2.4427)	1	1		2										
	122366 @	NUT, 5/8"-18 HEX. (12.9120)	1	1		2			1	1	1	1				
		* THRU 6VA-17732, 8VA-8325, 12VA-2563, 16VA-168.														
		@ EFFECTIVE WITH 6VA-17733, 8VA-8326, 12VA-2564, 16VA-169.														
		4.2330 - GASKET, OIL FILTER COVER NUT														
4A	5187310	GASKET (RETAINER) (FULL FLOW FILTER)	1	1		2			1	1	1	1				
4A	6437298	GASKET (FULL FLOW FILTER)	1	1		2	1		1	1	1	1				
	2399075	GASKET (STUD)			1											
4A	5154538	WASHER (1.8182)	1	1		2			1	1	1	1				
	2359398	WASHER (1.120"O.D.X.780"I.D.)			1											
		4.2410 - STUD, OIL FILTER CENTER														
4A	5120740	STUD	1	1		2				1	1					
	2399121	STUD			1											
	1595893	STUD					1									

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2410 - STUD, OIL FILTER CENTER (CONT'D)														
	5109699	STUD							1			1				
		4.2485 - VALVE, OIL FILTER BY-PASS														
4A	**5575088**	VALVE		1		1										
	5133431	VALVE	1						1	1		1				
	9406220	SCREW, #8-32X5/16" SELF TAPPING (12.9065)	1													
		4.2486 - SPRING, OIL FILTER BY-PASS														
4A	**5575680**	SPRING		1					1							
4A	**5575087**	SPRING				1										
4A	**5134477**	SPRING	1							1		1				
	454747	@ BOLT, 1/4"-28X1/2" (12.9025)	1													
		@ REQUIRED ONLY WHEN RETAINER SCREW HOLE IS THREADED.														
		4.2488 - PLUG, OIL FILTER BY-PASS														
	5126686	PLUG					1									
	5134456	RETAINER		1												
	5134456	RETAINER	1						1	1		1				
	9406220	SCREW, #8-32X5/16" RD. HD. (12.9065)		1												
	160221	SCREW, #12-24X1/2" (12.9065)	1						1	1		1				
	454745	@ BOLT, 1/4"-28X1/2" (12.9025)	1						1	1		1				
		@ REQUIRED ONLY WHEN RETAINER SCREW HOLE IS THREADED.														
		4.2489 - GASKET, OIL FILTER BY-PASS PLUG														
	5575086	GASKET					1									

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2240 - FILTER ASSEMBLY														
	5134392	@ FILTER ASSY. (FULL FLOW)	1													
	5134541	FILTER ASSY. (FULL FLOW)		1												
	5137659	* FILTER ASSY. (FULL FLOW)			1											
	5136479	FILTER ASSY. (FULL FLOW)				1										
4A	**5136524**	FILTER ASSY. (FULL FLOW)					1									
	5139066	FILTER ASSY. (FULL FLOW)						1								
		* NOT SERVICED. LISTED FOR REFERENCE ONLY.														
		@ NOT SERVICED; USE 5100818 PLUS (1) 5573711 OR USE ELEMENT PACKAGE.														
		4.2250 - ELEMENT, OIL FILTER														
4A	**5573014**	ELEMENT (AC TYPE PF-132) (INCLUDES GASKET IN 4.2300)	1	1	1	2	2	1								
		4.2280 - SHELL, OIL FILTER														
4A	**5574008**	SHELL (INCLUDES PLUG) (AC TYPE OF-203)	1	1	1	2	1	1								
4A	**5570480**	PLUG (DRAIN) (2.3050)	1	1	1			1								
	5573162	+ DECAL				2	2									
		4.2290 - ADAPTOR, OIL FILTER														
	5134908	+ ADAPTOR	1													
	5134307	ADAPTOR		1												
	5137651	@ ADAPTOR			1											
	5134640	ADAPTOR				1										
4A	**5136347**	ADAPTOR					1									
	5144212	ADAPTOR						1								
	5121182	PLUG, 1/4" PIPE SQ. HD. (12.9550)	2	2		2	2									
		@ NOT SERVICED. REPLACED BY 5147684 PLUS (2) 5111798 PLUGS AND (2) 128003 BUSHINGS.														
		+ NOT SERVICED. REPLACED BY 5100818 ADAPTOR PLUS 5573711 GASKET.														
		4.2300 - GASKET, OIL FILTER COVER														
4A	**5571024**	GASKET (RECTANGULAR SECTION)	1	1	1	1	1	1								
	5573711	GASKET (SQUARE SECTION)	1													
		4.2310 - SPRING, OIL FILTER														
4A	**5187308**	SPRING	1	1	1	2	2	1								

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2315 - RETAINER, OIL FILTER SPRING														
4A	**5187309**	RETAINER	1	1	1	2	2	2								
	122366	NUT, 5/8"-18 HEX. (12.9120)	1	1	1	2	2	1								
		4.2330 - GASKET, OIL FILTER COVER NUT														
4A	**5187310**	GASKET (RETAINER)	1	1	1	2	2	1								
4A	**6437298**	GASKET (BOLT HEAD)	1	1	1	1	2	1								
4A	**5154538**	WASHER (RETAINER) (1.8182)	1	1	1	2	2	1								
		4.2410 - STUD, OIL FILTER CENTER														
4A	**5120740**	STUD	1	1	1	2	2	1								
		4.2485 - VALVE, OIL FILTER BY-PASS														
	5133431	VALVE	1	1				1								
	5136358	VALVE (4.4110)				1	1									
		4.2486 - SPRING, OIL FILTER BY-PASS														
4A	**5134477**	SPRING	1	1				1								
	5137984	SPRING				1	1									
		4.2488 - PLUG, OIL FILTER BY-PASS														
	5134456	RETAINER	1	1				1								
	160221	SCREW, #12-24X3/4" RD. HD. (12.9025)	1	1				1								
	5134807	PLUG, 1 1/2"-6 (4.4160)				1	1									
	454745	@ BOLT, 1/4"-28X1/2" (12.9025)	1	1				1								
		@ REQUIRED ONLY WHEN RETAINER SCREW HOLE IS THREADED.														
		4.2489 - GASKET, OIL FILTER BY-PASS PLUG														
	5134920	GASKET				1	1									

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 85	86	87	98	100	113	121	123	126	134	147	150
		4.3001 - TUBE, OIL FILTER INLET												
	5135988	* TUBE (DEV. L. 12.27")						1		1				
	5122540	# TUBE (DEV. L. 12.96")		1										
	5137375	# TUBE (DEV. L. 26.67")									1			
	2350838	HOSE ASSY. (3/8"I.D.X14 1/2") (2.5050)												1
	5177697	HOSE, FLEX. (5/8"I.D.X19 5/16"L.) (8.3810)	1											
	5186232	HOSE, FLEX. (7/8"I.D.X18 1/2"L.)							1					
	5137922	% HOSE ASSY. (7/8"I.D.X22 1/4"L.)										1		
	5138377	HOSE ASSY. (7/8"I.D.X25"L.)											1	
	5115763	HOSE, FLEX. (7/8"I.D.X42 3/16"L.) (4.3020)					1							
	190367	ELBOW, 1/4" STREET (12.9590)												1
	141621	ELBOW, 3/8"-90 DEG. STREET (12.9590)	2											
	118755	ELBOW, 3/8" TUBE 90 DEG. FL. (12.9390)												1
	5176705	ELBOW, 3/4" (8.3800)	2											
	5138302	@ ELBOW ASSY., 7/8" TUBE SEALASTIC 90 DEG. (12.9425)		1				1		1				
	5138303	@ ELBOW ASSY., 1" TUBE SEALASTIC 90 DEG. (12.9425)									1			1
	217986	ELBOW, 1"X3/4"-90 DEG. RED. (12.9600)					2							
	108687	ELBOW, 1"X90 DEG. PIPE (12.9590)			1		4		2		1		4	
	5183079	CONNECTOR (9.1720)			1		1		2				2	
	5138309	CONNECTOR, 7/8" TUBE SEALASTIC (12.9415)		1						1				
	5176533	CONNECTOR, 1" TUBE SEALASTIC (12.9415)									3			
	144613	NIPPLE, 3/4"X1 3/8" (12.9560)					2							
	5176532	SEAL RING, 7/8" TUBE SEALASTIC (12.9435)		2						2				
	5176536	SEAL RING, 1" TUBE SEALASTIC (12.9435)									4			
		% NOT SERVICED, USE BULK HOSE 5199722 PLUS (1) EACH OF 5199724 AND 5199729.												
		* NOT SERVICED. SUPERSEDED BY AND 1-5183079 CONNECTOR.												
		@ INCLUDES SEAL RING IN 4.3001 PLUS NUT NOT SOLD SEPARATELY.												
		# OBSOLETE.												
		4.3020 - TUBE, OIL FILTER OUTLET												
	5135989	# TUBE (DEV. L. 15.50")								1				
	5137374	* TUBE (DEV. L. 19.54")									1			
	5122543	TUBE (DEV. L. 21.48")		1				1						
	2350838	HOSE ASSY. (#6-14 1/2"L.) (2.5050)												1
	5178023	HOSE, FLEX. (5/8"I.D.X29 1/2"L.) (8.3820)	1											
	5177649	HOSE, FLEX. (7/8"I.D.X15 3/4"L.)					1							
	5138375	HOSE ASSY. (7/8"I.D. 19 1/2"L.)											1	

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 85	86	87	98	100	113	121	123	126	134	147	150
		4.3020 - TUBE, OIL FILTER OUTLET (CONT'D)												
	5138375	HOSE ASSY. (7/8"I.D.X19 1/2"L.)							1				1	
	5138256	HOSE ASSY. (7/8"I.D.X23"L.)										1		
	141621	ELBOW, 3/8"-90 DEG. STREET (12.9590)	2											
	118755	ELBOW, 3/8" TUBE 90 DEG. FLATED (12.9590)												1
	5138302	* ELBOW ASSY., 7/8" TUBE SEALASTIC 90 DEG. (12.9425)		2				2		2				
	108687	ELBOW, 1"X90 DEG. STREET (12.9590)			1		1		2					
	5183079	CONNECTOR, 1" FL. TUBE X 1"P.T. (9.1720)			1		1							
	5176532	SEAL RING, 7/8" TUBE SEALASTIC (12.9435)		2						2				
		# NOT SERVICED. SUPERSEDED BY 5144692 AND INCLUDE 1-108687 ELBOW AND 1-5183079 CONNECTOR												
		@ INCLUDES SEAL RING IN 4.3001 PLUS NUT NOT SOLD SEPARATELY.												
		* OBSOLETE.												
		4.3025 - ADAPTOR, OIL FILTER TUBE (TO OIL COOLER ADAPTOR)												
	5134303	ADAPTOR				2								
	444000	ADAPTOR (12.9460)												1
	444148	TEE, 1/4" (12.9616)												4
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				8								
	103321	LOCKWASHER, 3/8" (12.9200)				8								
		4.3027 - GASKET, OIL FILTER TUBE ADAPTOR												
	5121205	GASKET (4.2350)				2								
		4.3045 - CLIP, OIL FILTER LINE												
	5171509	CLIP (9.1591)	2											
	5184291	CLIP (8.3820)			1		3							
	5157702	CLIP (8.8040)									2			
	5156404	SPACER (1 7/16"L.) (4.8040)									1			
	215386	BOLT, 5/16"-18X6" (12.9001)					1							
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)									1			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)					1							
	181360	BOLT, 3/8"-24X3/4" (12.9001)					1							
	103321	LOCKWASHER, 3/8" (12.9200)					1				1			
	102635	NUT, 3/8"-16 HEX. (12.9120)									1			
	117049	NUT, 3/8"-24 HEX. (12.9120)					1							

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 85	86	87	98	100	113	121	123	126	134	147	150
		4.3050 - BRACKET, OIL FILTER LINE CLIP												
	5173189	BRACKET, CLIP					1							
	5141696	BRACKET, CLIP									1			
		4.3055 - VALVE, OIL FILTER TUBE ADAPTOR BY-PASS												
		A VALVE KIT INCLUDES VALVE IN 4.3055 AND ITEMS IN 4.3057 THRU 4.3060.												
	5133431	VALVE (4.2485)				2						1		
	5198303	VALVE KIT (4.2485)				2								
		4.3057 - SPRING, OIL FILTER TUBE ADAPTOR BY-PASS VALVE												
	5134477	SPRING (4.2486)				2								
	5133594	SPRING (4.2486)										1		
		4.3060 - RETAINER, OIL FILTER TUBE ADAPTOR TO BY-PASS VALVE SPRING												
	5134456	RETAINER (4.2488)				2								
	450865	SCREW, #12-24X3/4" (12.9065)				2								

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 156	159	161	168	192
		4.3001 - TUBE, OIL FILTER INLET					
	5144691	HOSE ASSY. (7/8"I.D.X7 3/4"L.)		1			
	5140779	HOSE ASSY. (7/8"I.D.X17"L.)	1				
	5147713	HOSE ASSY. (7/8"I.D.X18"L.)				1	
	5125907	HOSE (7/8"X30") (4.4330)					1
	5115761	HOSE ASSY. (1 1/8"I.D.X32"L.)			1		
	144116	ELBOW, 1" STREET 45 DEG. (12.9590)		1			
	2492119	ELBOW, 3/4"X1" 90 DEG. PIPE (4.4330)					1
	108687	ELBOW, 1"X90 DEG. PIPE (12.9590)	2				
	9402713	CONNECTOR, 1" FL. TUBE (12.9380)					1
	5183079	CONNECTOR, 1" FL. TUBE X 1"P.T. (9.1720)		1		1	
		4.3020 - TUBE, OIL FILTER OUTLET					
	5147644	* HOSE ASSY. (7/8"I.D.X9"L.)		1			
	5147714	HOSE ASSY. (7/8"I.D.X21"L.)				1	
	5138256	HOSE ASSY. (7/8"I.D.X23"L.)	1				
	5115761	HOSE ASSY. (1 1/8"I.D.X32"L.)			1		
	5133328	HOSE, #16X32" (9.1730)					1
	108687	ELBOW, 1"X90 DEG. STREET (12.9590)		1		1	
	2492119	ELBOW, 3/4"X1" 90 DEG. PIPE (4.4330)					1
	5183079	CONNECTOR, 1" FL. TUBE X 1"P.T. (9.1720)		2		2	
	9402713	CONNECTOR, 1" FL. TUBE (12.9380)					1
		* NOT SERVICED, USE BULK HOSE 5199722 PLUS (1) EACH OF 5199727, 5199729.					
		4.3025 - ADAPTOR, OIL FILTER TUBE (TO OIL COOLER ADAPTOR)					
	5183079	ADAPTOR (9.1720)	2				
	5179958	ADAPTOR, 1 1/4" FL. TUBE (8.3820)			2		
		4.3045 - CLIP, OIL FILTER LINE					
	5147753	CLIP, 1.188" DIA. (12.8562)					2
	100158	BOLT, 1/2"-13X1" (12.9001)					2
	103323	LOCKWASHER, 1/2" (12.9200)					2

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 244	245	246	247	248	256	257	258	259	261	263	264
		4.4001 - CORE, OIL COOLER												
5C	8529663	CORE ASSY. (TWIN 12 PLATES) (FRONT)	1		1		1		2	2	1		1	
5A	8528885	CORE ASSY. (16 PLATES)		1										
5A	8514600	CORE ASSY. (12 PLATES)				1			1					
5C	8528942	* CORE ASSY. (REAR) (12 PLATES)					1				1			
5E	5149056	CORE ASSY. (TUBE TYPE) (TORQMATIC BRAKE AND ENGINE) (FRONT)										1		1
5E	5149055	CORE ASSY. (TUBE TYPE) (TORQMATIC BRAKE AND ENGINE) (REAR)										1		1
5D	5149057	TUBE, BUNDLE										2		2
5D	5149058	TUBE, BUNDLE										1		1
5D	5149059	TUBE, BUNDLE										1		1
5D	5108071	RING, "O"										4		4
	186317	BOLT, 3/8"-24X5" (12.9001)										12		12
	103321	LOCKWASHER, 3/8" (12.9200)										AR		AR
	117049	NUT, 3/8"-24 HEX. (12.9120)										AR		AR
		* NOT SERVICED, REPLACE WITH 1-8534711 CORE ASSY., 11-186650 BOLTS, 1-186629 BOLT, OMIT GASKET IN 4.4040 AND COVER IN 4.4060.												
		4.4003 - SHELL ASSY., OIL COOLER TUBE TYPE												
	5149078	SHELL ASSY.										1		1
	5149079	SHELL ASSY.										1		1
		4.4030 - GASKET, OIL COOLER CORE INNER												
5C	5117404	GASKET (CORE TO HOUSING) (4.4115)	1		1		2	2		2			1	
5A	5150155	GASKET		1		1			1					
5B,C	5124085	GASKET									1			
5B,C	5124806	GASKET (CORE TO CORE) (4.4060)										1		1
5C	5117280	GASKET (HOUSING TO PLATE)	1		1					2	2		2	
		4.4040 - GASKET, OIL COOLER CORE OUTER												
5A	5102506	GASKET		1		1			1					
5C	5117785	GASKET (COVER TO ELEMENT)	1								1			
5C	5177815	GASKET (COVER TO ELEMENT)					1	1		1				
5C	5175846	GASKET (COVER TO CORE)			1		1	1						
5C	5126618	GASKET (COVER TO CORE) (4.4060)										2		2
	5124085	GASKET (COVER TO CORE)											1	
		4.4050 - HOUSING, OIL COOLER												
5C	5117690	HOUSING	1		1								1	
5B	5117824	* HOUSING		1		1								
5C	5122716	HOUSING					1	1						

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 244	245	246	247	248	256	257	258	259	261	263	264
		4.4050 - HOUSING, OIL COOLER (CONT'D)												
5C	5116863	HOUSING								1	1			
5C	5121182	PLUG, 1/4" PIPE (12.9550)		1		1							1	
	5142549	PLUG, 3/4" PIPE (12.9550)	1		1		3	3		3	3		1	
	103150	STUD (12.9117)				2	2							
5A,C	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	1	1		1	1		1	
5A	215404	BOLT, 5/16"-18X5 3/4" (12.9001)		8		8								
5A	103320	LOCKWASHER, 5/16" (12.9200)		8		8								
		* NOT SERVICED, USE 5129421. WHEN REPLACING 5117824 WITH 5129421 FOR THE 6V-71, INCLUDE 1-8528885 16 PLATE ELEMENT.												
		4.4060 - COVER, OIL COOLER HOUSING												
5C	5130998	COVER (REAR)						1		1				
5C,10A	5127452	COVER (REAR)	1				1				1			
5C	5101742	COVER (FRONT)			1		1	1						
5C	5167775	COVER (MARINE GEAR)							1					
5C	5126167	* COVER (REAR)								1				
10B	5117553	COVER (FRONT)									1		1	
5D	5101270	COVER (FRONT)										1		1
5B,D	5101188	COVER (REAR)										1		1
5B,D	5125300	@ PLATE (FRONT COVER)										1		1
5B,D	5126321	@ GASKET (FRONT COVER PLATE)										1		1
	103647	DRAINCOCK, 1/4" (12.9510)										1		1
	5111798	PLUG, 1" PIPE (12.9550)										1		1
	5121182	PLUG, 1/4" SKT. HD. (12.9550)										AR		AR
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)								1				
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)						4	8					
5C	186274	BOLT, 5/16"-18X5" (12.9001)	9				22	22		11	21		9	
5C	272545	BOLT, 5/16"-18X5 1/4" (12.9001)			12			23					1	
5C	455971	BOLT, 5/16"-18X5 1/2" (12.9001)											2	
5C	215386	BOLT, 5/16"-18X6" (12.9001)											3	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)										4		4
	179851	BOLT, 3/8"-16X3" (12.9001)										24		24
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)										2		2
	454933	@ BOLT, 7/16"-14X1 1/8" (12.9001)										4		4
	446202	WASHER, 5/16" COPPER (12.9190)	2								2			
	5152148	WASHER, 3/8" FLAT (COPPER)										2		2
5C	103320	LOCKWASHER, 5/16" (12.9200)	AR		AR		AR	AR	AR	AR	AR		AR	
	103321	LOCKWASHER, 3/8" (12.9200)										AR		AR
	103322	@ LOCKWASHER, 7/16" (12.9200)										AR		AR
		# FIG. 10C OF 5.0000.												
		* NOT SERVICED; USE 5130998 AND INCLUDE 2-128003 REDUCING BUSHING.												
		@ USE ONLY WHEN MOUNTED OIL FILTERS ARE SPECIFIED.												

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 244	245	246	247	248	256	257	258	259	261	263	264
		4.4061 - GASKET, OIL COOLER COVER												
5F	5124806	GASKET (4.4060)										1		1
5F	5126818	GASKET (4.4060)										1		1
		4.4062 - BRACKET, OIL COOLER COVER												
5F	5127000	PLATE (4.25"L.) (UPPER)										1		1
5F	5127001	PLATE (6"L.) (LOWER)										1		1
5F	5137138	PLATE (15 1/2"L.) (TO FLYWHEEL HOUSING)										1		1
5F	5136568	PLATE (15 1/2"L.) (TO OIL COOLER COVER)										1		1
5F	5129230	SHIM (.062) (3 HOLE)										AR		AR
5F	5129231	SHIM (.062) (5 HOLE)										AR		AR
5F	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										5		5
5F	180120	BOLT, 3/8"-16X1 3/4" (12.9001)										3		3
5F	181374	BOLT, 3/8"-24X1 1/2" (12.9001)										5		5
5F	271557	BOLT, 5/8"-11X1 3/8" (12.9001)										3		3
5F	103321	LOCKWASHER, 3/8" (12.9200)										13		13
5F	103334	LOCKWASHER, 5/8" (12.9200)										3		3
5F	117049	NUT, 3/8"-24 HEX. (12.9120)										5		5
		4.4064 - GASKET, OIL COOLER COVER BRACKET												
	5130995	GASKET (TO FLYWHEEL HOUSING) (7.3004)										1		1
		4.4082 - COVER, OIL FILTER RETURN HOLE												
	5124857	COVER										1		
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)										4		
	103323	LOCKWASHER, 1/2" (12.9200)										4		
		4.4084 - GASKET, OIL FILTER RETURN HOLE COVER												
	5124812	GASKET										1		
		4.4110 - ADAPTOR ASSY., OIL COOLER												
5C	5117680	ADAPTOR	1											
5A	5133197	* ADAPTOR		1		1								
5C	5122850	ADAPTOR			1									
5C	5126258	ADAPTOR (FRONT)					1	1		1	1		1	
5C	5117057	ADAPTOR (REAR)					1	1		1	1			
5C	186625	BOLT, 5/16"-18X7/8" (12.9001)	6				5	5						

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 244	245	246	247	248	256	257	258	259	261	263	264
		4.4110 - ADAPTOR ASSY., OIL COOLER (CONT'D)												
	186624	BOLT, 5/16"-18X1 1/8" (12.9001)								1	1			
5C	**179839**	BOLT, 3/8"-16X1" (12.9001)	2											
5C	**5101377**	BOLT, 3/8"-16X1" W/SEAL SPL			2									
5A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)		3		3								
5C	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)			2		2	2						
5C	**138243**	BOLT, 3/8"-16X1 1/4" HEX. SKT. HD. (12.9027)	4		4									
5A	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)		2		2	3				3		4	
	138244	BOLT, 3/8"-16X1 1/2" HEX. SKT. HD. (12.9027)					1	1		1	1		1	
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)						5		8	5			
5A	**179846**	BOLT, 3/8"-16X1 7/8" (12.9001)		4		4								
	120394	WASHER, 3/8" FLAT (12.9190)		AR		AR		AR			AR		AR	
	103320	LOCKWASHER, 5/16" (12.9200)								AR	AR			
5A,C	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR		AR	AR		AR	
	117049	NUT, 3/8"-24 HEX. (12.9120) * NOT SERVICED, USE (1) EACH OF 5101427, 5101428, 5102271 AND (2) EACH OF 186618 AND 103320.												
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
5A,C	**5117535**	GASKET (4.4117)	2	2	2	2	2	2		2	2		2	
	5122433	GASKET (REAR)					1	1						
5C	**5117404**	GASKET					1			1	1		1	
	5117280	GASKET (4.3030)						1						
	5126323	SHIM (.012")						2						
5A,C	**5126280**	SPACER (8.20"L.)	3	2	1	2	1	1	2	2		1		
	8920763	SPACER, .385" I.D.X1.00 O.D.X.013 THK.												
		4.4116 - COVER, OIL COOLER ADAPTOR												
5C	**5130374**	COVER (PLATE)	1											
5C	**5122851**	COVER (PLATE)			1				1	1				
	186625	BOLT, 5/16"-18X7/8" (12.9001)			3									
5C	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	2											
5C	**179848**	BOLT, 3/8"-16X2" (12.9001)	1											
5C	**103320**	LOCKWASHER, 5/16" (12.9200)	1											
5C	**103321**	LOCKWASHER, 3/8" (12.9200)	2											
		4.4117 - GASKET, OIL COOLER ADAPTOR COVER												
5C	**5117711**	GASKET	1											
	5122852	GASKET (ADAPTOR)			1									
	5152904	GASKET (13/32"I.D.X7/8"O.D.)			2									
5C	**5117404**	GASKET (4.4115)					1	1						

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 244	245	246	247	248	256	257	258	259	261	263	264
		4.4120 - VALVE ASSY., OIL COOLER BY-PASS												
		INCLUDES BODY WHICH IS NOT SERVICED PLUS ITEMS IN 4.4140, 4.4150 AND 4.4160.												
	5125586 +	VALVE ASSY.												1
		+ THRU 8VA-22332, 12VA-5746 NOT SERVICED AS AN ASSY., DETAILS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5133978 HOUSING, 1-5198303 VALVE KIT, AND INCLUDE 1-5134052 BY-PASS TUBE.												
		4.4140 - VALVE, OIL COOLER BY-PASS												
5A,C	**5177777**	VALVE	1	1	1	1	1	1		1	1		1	
5A,C	**5575088**	VALVE												1
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE												
5A,C	**5177778**	SPRING	1	1	1	1	1	1		1	1		1	
5A,C	**5134477**	SPRING (4.2486)												1
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE												
5A,C	**5177772**	PLUG	1	1	1	1	1	1		1	1		1	
5A,C	**5134456**	RETAINER (4.2488)												1
	121832	SCREW, #8-32X3/8" (12.9025)												1
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG												
5A,C	**5177773**	GASKET	1	1	1	1	1	1		1	1		1	
		4.4176 - TUBE, OIL COOLER BY-PASS												
5D	**5125587**	TUBE (1 3/8" DIA., 9.02"L.)												1
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE												
	5123882	ADAPTOR (REVERSE GEAR COOLER) (9.1588)							1					
5D	**5124859**	FLANGE												2
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)							2					

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 244	245	246	247	248	256	257	258	259	261	263	264
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE (CONT'D)												
5D	9418964	BOLT, 3/8"-16X5" (12.9001)												2
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)												2
	103320	LOCKWASHER, 5/16" (12.9200)							2					
5D	103321	LOCKWASHER, 3/8" (12.9200)												4
5D	117049	NUT, 3/8"-24 HEX. (12.9120)												2
		4.4178 - GASKET, OIL COOLER BY-PASS TUBE FLANGE												
5D	5124798	GASKET (FLANGE) (4.4184)												2
5D	5193598	SEAL RING (5.6176)												2
	5159430	GASKET (REVERSE GEAR COOLER) (4.4180)							1					
		4.4182 - COVER, OIL COOLER BY-PASS HOLE												
5D	5133837	COVER										3		1
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)										2		2
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)										2		
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)										2		
	103321	LOCKWASHER, 3/8" (12.9200)										AR		AR
	117049	NUT, 3/8"-24 HEX. (12.9120)										2		
		4.4184 - GASKET, OIL COOLER BY-PASS HOLE COVER												
5D	5124798	GASKET										3		1
		4.4200 - GASKET, OIL COOLER INLET AND OUTLET TUBE												
	5117535	GASKET (4.4117)										2		2
		4.4211 - CONNECTION, OIL COOLER WATER INLET												
5C	5124466	ELBOW	1				1	1		1				
5C	5122422	ELBOW		1	1						1		1	
5C	5121724	@ ELBOW				1								
	5115214	PLUG, 1/2" (12.9550)	1											
5C	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	3	4	3	4	4		4	4		4	
5C	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR		AR	AR		AR	

@ *NOT SERVICED; USE 5127199 AND (2)*

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 244	245	246	247	248	256	257	258	259	261	263	264
		4.4211 - CONNECTION, OIL COOLER WATER INLET (CONT'D)												
		5145012 PLUGS.												
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION												
5C	**5117317**	GASKET	1		1		1	1		1	1		1	
5C	**5117476**	GASKET		1		1								
		4.4213 - HOSE, OIL COOLER WATER INLET												
5C	**5140553**	HOSE, 2 3/8"I.D.X3 1/2" (TO WATER PUMP)	1	1		1								
5C,E	**5137848**	HOSE, 2 1/2"I.D.X2.24"L.								1				
5C,E	**5147744**	HOSE, 2 7/8"I.D.X4.5" (TO WATER PUMP)			1		1	1			1		1	
5C,E	**5137831**	HOSE, 3"I.D.X2 1/2"L. (5.2047)										1		1
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE												
5C,E	**9139809**	CLAMP, 2 1/16"-3 RANGE (12.9660)	2	2		2				2				
5C,E	**5188036**	CLAMP, 2 9/16"-3 1/2" (12.9660)			2		2	2			2	2	2	2
5,C	**5135647**	CLAMP, 2 3/4"-3" (12.9660)								2				
		4.4220 - ELBOW, OIL COOLER WATER (OUTLET-INLET)												
5C	**5129834**	ELBOW (OUTLET)	1		1		1	1		1	1		1	
	5124821	ELBOW (INLET) (4.4211)										1		1
	5142549	PLUG, 3/4" PIPE (12.9550)	1		1									
5C	**179839**	BOLT, 3/8"-16X1" (12.9001)	4		4		4	4		2	4		4	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										4		4
5C	**5152148**	WASHER, 3/8" FLAT COPPER									2			
5C	**103321**	LOCKWASHER, 3/8" (12.9200)	AR		AR		AR	AR		AR	AR	AR	AR	AR
5C	**117049**	NUT, 3/8"-24 HEX. (12.9120)	2		2					2				
		4.4230 - GASKET, OIL COOLER WATER ELBOW												
5C	**5117254**	GASKET	1		1		1	1		1	1		1	
5E	**5124822**	GASKET (4.4212)										1		1
		4.4240 - HOSE, OIL COOLER WATER OUTLET												
5C	**5144078**	SEAL (3 1/2"O.D.X5/8"W.)	1		1		1	1		1	1	1	1	1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 244	245	246	247	248	256	257	258	259	261	263	264
		4.4242 - FLANGE, OIL COOLER WATER OUTLET												
5E	**5125598** *	FLANGE (4.4320)		1		1								
	5121746 #	FLANGE (4.4320)		1		1								
5E	**5124884**	FLANGE										1		1
5E	**179839**	BOLT, 3/8"-16X1" (12.9001)										4		4
5E	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)		2		2								
5E	**5152148**	WASHER, 3/8" FLAT COPPER										2		2
5E	**103321**	LOCKWASHER, 3/8" (12.9200)		AR		AR						AR		AR
	117049	NUT, 3/8"-24 HEX. (12.9120)		2		2								
		* EFFECTIVE WITH 6VA-398, 8VA-306.												
		# THRU 6VA-397, 8VA-305.												
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE												
	5117254	GASKET (4.4230)										1		1
	5121745 #	SEAL RING (4.4325)		1		1								
	5125599 *	SEAL RING		1		1								
		# THRU 6VA-397, 8VA-305.												
		* EFF. WITH 6VA-398, 8VA-306.												
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE												
5C	**5143999**	CLAMP, 4" HOSE	1		1		1	1		1	1	1	1	1
		4.4330 - HOSE, MARINE GEAR OIL OUTLET												
	5123084 *	HOSE, FLEX. (66"L.) (PUMP TO COOLER)							1		1			
	5123088	HOSE, FLEX. (72"L.) (PUMP TO COOLER) (8.3300)							1					
	109429	ELBOW, 1/2"X90 DEG. (3.5505)							1		1			
	108686	ELBOW, 1/2"X90 DEG. (12.9590)									1			
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)									2			
		* NOT SERVICED; CUSTOMER TO FABRICATE FROM 5199577 BULK HOSE PLUS (1) 5144521, (1) 5144523 & (2) 5146788.												
		4.4335 - HOSE, MARINE GEAR OIL INLET												
	5125788 *	HOSE, FLEX. (23 1/2"L.) (GEAR TO PUMP)							1					
10B	**5114071**	HOSE ASSY., FLEX. (45"L.) (9.1592)									1			
	5114051	HOSE ASSY., FLEX. (53 11/16"L.) (COOLER TO SELECTOR VALVE) (9.1592)							1					
	5110516	HOSE ASSY., FLEX. (59"L.) (COOLER TO							1					

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 244	245	246	247	248	256	257	258	259	261	263	264
		4.4335 - HOSE, MARINE GEAR OIL INLET (CONT'D)												
		SELECTOR VALVE) (8.3600)												
	109429	ELBOW, 1/2"X90 DEG. (12.9390)							1		1			
	108686	ELBOW, 1/2"X90 DEG. (12.9510)									1			
	108687	ELBOW, 1"X90 DEG. (12.9590)							2					
	120062	BUSHING, 1"X1/2" RED. (12.9570)									1			
	5183079	ADAPTOR (9.1720) *							3					
		* THRU 6VA-50621, 8VA-81196.												
		4.4345 - CLIP, MARINE GEAR OIL LINES												
	5151189	CLIP (4.8040)							5		5			
	5184291	CLIP (8.3820)							1					
	5181325	SUPPORT, CLIP (4.8042)							1					
	5123776	BRACKET, CLIP									1			
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)					2							
	179812	BOLT, 5/16"-18X1/2" (12.9001)							1					
	100014	BOLT, 5/16"-24X1" (12.9001)							1					
	186627	BOLT, 3/8"-24X1" (12.9001)									2			
	120393	WASHER, 5/16" FLAT (12.9190)							1					
	103320	LOCKWASHER, 5/16" (12.9200)							AR					
	103321	LOCKWASHER, 3/8" (12.9200)									AR			
	114493	NUT, 5/16"-24 HEX. (12.9120)							1					
	117049	NUT, 3/8"-24 HEX. (12.9120)									2			

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2651	2666	2687	2811	2887	2888	2889	2911	2922	2933	2986	3011
		4.4001 - CORE, OIL COOLER												
5C	8539503	CORE ASSY. (TWIN 12 PLATES) (FRONT)				1								2
5A	8528885	CORE ASSY. (16 PLATES)	1		1									
5A	8514600	CORE ASSY. (12 PLATES)		1							1	1	1	
5C	8528942	* CORE ASSY. (REAR) (12 PLATES)				1								
	5126125	@ CORE ASSY. (CAPITAL GEAR, INC., NO. 10923)					1							
	5149054	CORE ASSY. (TUBE TYPE) (TORQMATIC BRAKE AND ENGINE)						1		1			1	
	8530017	CORE ASSY.							2					
5D	5149052	TUBE, BUNDLE						1		1			1	
5D	5149053	TUBE, BUNDLE						1		1			1	
5D	5108071	RING, "O"						2		2			2	
	181370	BOLT, 3/8"-14X1 1/4" (12.9001)					2							
	179851	BOLT, 3/8"-16X3" (12.9001)								20				
	103341	WASHER, 3/8" FLAT (12.9190)					2							
	103321	LOCKWASHER, 3/8" (12.9200)					AR			AR				
	117049	NUT, 3/8"-24 HEX. (12.9120)					AR							
		* NOT SERVICED, REPLACE WITH 1-8534711 CORE ASSY., 11-186650 BOLTS, 1-186629 BOLT, OMIT GASKET IN 4.4040 AND COVER IN 4.4060.												
		@ NOT SERVICED; FOR REPLACEMENT PARTS CONTACT CAPITAL GEAR INC., ST. PAUL 4, MINN. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESES.												
		4.4003 - SHELL ASSY., OIL COOLER TUBE TYPE												
5D	5149077	SHELL ASSY.						1		1			1	
		4.4030 - GASKET, OIL COOLER CORE INNER												
5C	5117404	GASKET (CORE TO HOUSING) (4.4115)						1						
5A	5150155	GASKET	1	1	1						1	1	1	
5C	5117404	GASKET (REAR AND FRONT) (4.4115)	3			2			2					2
	5124085	GASKET				1			1					
5C	5117280	GASKET (HOUSING TO PLATE)				2								2
	5117535	GASKET (4.4117)						2		2				
	5124822	GASKET (TRANSMISSION HSG.) (4.4212)											1	
		4.4040 - GASKET, OIL COOLER CORE OUTER												
5A	5154215	GASKET	1	1	1						1	1	2	
5C	5117785	GASKET (COVER TO ELEMENT)							1					1
5C	5177815	GASKET (COVER TO ELEMENT)				1								
5C	5175846	GASKET (COVER TO CORE)												1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 265	266	267	281	287	288	289	291	292	293	296	301
		4.4040 - GASKET, OIL COOLER CORE OUTER (CONT'D)												
5C	5126618	GASKET (COVER TO CORE) (4.4060)								2			2	
	5124085	GASKET (COVER TO CORE)				1								
		4.4050 - HOUSING, OIL COOLER												
5B	5117824 *	HOUSING	1	1	1				1					1
5C	5122716	HOUSING												
5C	5116863	HOUSING				1								
	5126874	HOUSING (TRANSMISSION)											1	
5C	5121182	PLUG, 1/4" PIPE (12.9550)	1		1									
	5142549	PLUG, 3/4" PIPE (12.9550)				3			1					1
	103150	STUD (12.9117)		2										
5A,C	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1			1					1
	180016	BOLT, 1/4"-20X1/2" (12.9001)											2	
5A	215404	BOLT, 5/16"-18X5 3/4" (12.9001)	8	8	8								4	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											1	
	190911	BOLT, 3/8"-16X2 7/8" (12.9001)											2	
	5179709	WASHER, COPPER (2.7175)												
5A	103320	LOCKWASHER, 5/16" (12.9200)	8	8	8								AR	
	103321	LOCKWASHER, 3/8" (12.9200)												
		* NOT SERVICED, USE 5129421. WHEN REPLACING 5117824 WITH 5129421 FOR THE 6V-71, INCLUDE 1-8528885 16 PLATE ELEMENT.												
		4.4060 - COVER, OIL COOLER HOUSING												
5C	5128202	COVER (FRONT)												1
5D	5130998	COVER (REAR)				1								
	5167775	COVER (MARINE GEAR)									1	1		
10B	5117553	COVER (FRONT)				1			1					
5D	5101270	COVER (FRONT)						1		1			1	
	5101188	COVER (REAR)						1		1			1	
	5123902	COVER (FRONT)							1					
10B	5144151	COVER (REAR)												1
	5125300 *	PLATE (FRONT COVER)						1		1			1	
	5126321 *	GASKET (FRONT COVER PLATE)						1		1			1	
	103647	DRAINCOCK, 1/4" (12.9510)						1		1			1	
	5111798	PLUG, 1" PIPE (12.9550)								1				2
	5121182	PLUG, 1/4" SKT. HD. (12.9550)						AR		AR			AR	
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)				1			1					1
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)									8	8		
5C	186274	BOLT, 5/16"-18X5" (12.9001)				21			17					
5C	272545	BOLT, 5/16"-18X5 1/4" (12.9001)												11
#	455971	BOLT, 5/16"-18X5 1/2" (12.9001)							6					
5C	215386	BOLT, 5/16"-18X6" (12.9001)				3								

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 265	266	267	281	287	288	289	291	292	293	296	301
		4.4060 - COVER, OIL COOLER HOUSING (CONT'D)												
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)								4				
	179851	BOLT, 3/8"-16X3" (12.9001)						24					24	
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)						2						
	454933	* BOLT, 7/16"-14X1 1/8" (12.9001)						4		4			4	
	446202	WASHER, 5/16" COPPER (12.9190)				2			2					
	5152148	WASHER, 3/8" FLAT (COPPER)						2						
5C	103320	LOCKWASHER, 5/16" (12.9200)				AR			AR		AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)						AR		AR			AR	
	103322	* LOCKWASHER, 7/16" (12.9200)						AR		AR			AR	
		# FIG. 10C OF 5.0000.												
		* USE ONLY WHEN MOUNTED OIL FILTERS ARE SPECIFIED.												
		4.4061 - GASKET, OIL COOLER COVER												
5F	5124806	GASKET (4.4060)						1		1				
5F	5126818	GASKET (4.4060)						1		1				
		4.4100 - BRACKET, OIL COOLER HOUSING SUPPORT												
	5125836	BRACKET (FRONT MOUNTING)					1							
	5124613	BRACKET (REAR MOUNTING)					1							
	5124799	BRACKET (REAR)						1		1			1	
	5125830	SUPPORT, BRACKET					1							
	3222533	STUD (6.2115)					2							
	180121	BOLT, 3/8"-16X7/8" (12.9001)					2							
	179839	BOLT, 3/8"-16X1" (12.9001)					1	8		8			1	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						4						
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)						4					4	
	179858	BOLT, 7/16"-14X1" (12.9001)					2							
	5177833	WASHER (2.7290)					2							
	103321	LOCKWASHER, 3/8" (12.9200)					AR	AR		AR			AR	
	103322	LOCKWASHER, 7/16" (12.9200)					AR							
		4.4110 - ADAPTOR ASSY., OIL COOLER												
5A	5133197	* ADAPTOR	1	1	1									
5C	5126258	ADAPTOR (FRONT)				1			1					1
5C	5117057	ADAPTOR (REAR)				1			1					
5C	5124636	ADAPTOR (REAR)												1
	186624	BOLT, 5/16"-18X1 1/8" (12.9001)				1								1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1	1	1									
5A	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	2	2	2	3			8					
	138244	BOLT, 3/8"-16X1 1/2" HEX. SKT. HD. (12.9027)				1			1					1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 265	266	267	281	287	288	289	291	292	293	296	301
		4.4110 - ADAPTOR ASSY., OIL COOLER (CONT'D)												
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)				5								8
5A	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	4	4	4									
	120394	WASHER, 3/8" FLAT (12.9190)	AR			AR								AR
	5152148	WASHER, 3/8" (COPPER)		AR	AR									
	103320	LOCKWASHER, 5/16" (12.9200)				AR								AR
5A,C	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR			AR					AR
		* NOT SERVICED, USE (1) EACH OF 5102265 5101428, 5102271 AND (2) EACH OF 186618 AND 103320.												
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
5A,C	5117535	GASKET (4.4117)	2	2	2	2			2				2	2
5C	5117404	GASKET				1								1
	5117280	GASKET (4.3030)							1					
5A,C	5126280	SPACER (8.20"L.)	2	2	2	3			3					3
		4.4116 - COVER, OIL COOLER ADAPTOR												
5C	5130374	COVER (PLATE)												1
		4.4117 - GASKET, OIL COOLER ADAPTOR COVER												
5C	5117711	GASKET												1
		4.4140 - VALVE, OIL COOLER BY-PASS												
5A,C	5177777	VALVE	1	1	1	1			1					1
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE												
5A,C	5177778	SPRING	1	1	1	1			1					1
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE												
5A,C	5177772	PLUG	1	1	1	1			1					1
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG												
5A,C	5177773	GASKET	1	1	1	1			1					1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2651	2666	2667	2881	2887	2889	2891	2892	2893	2896	3001
		4.4176 - TUBE, OIL COOLER BY-PASS											
	5124856	TUBE (10.50"L., 1 3/8"O.D.) (STEEL)							1				
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE											
	5123882	ADAPTOR (REVERSE GEAR COOLER) (9.1588)								1	1		
5D	**5124859**	FLANGE							2				
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)								2	2		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							4				
	103320	LOCKWASHER, 5/16" (12.9200)								2	2		
5D	**103321**	LOCKWASHER, 3/8" (12.9200)							4				
		4.4178 - GASKET, OIL COOLER BY-PASS TUBE FLANGE											
5D	**5124798**	GASKET (FLANGE) (4.4184)							2				
5D	**5193598**	SEAL RING (5.6176)							2				
	5159430	GASKET (REVERSE GEAR COOLER) (4.4180)								1	1		
		4.4182 - COVER, OIL COOLER BY-PASS HOLE											
5D	**5133837**	COVER					4		2			4	
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)					4		4			4	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)					4					4	
	103321	LOCKWASHER, 3/8" (12.9200)					AR		AR			AR	
		4.4184 - GASKET, OIL COOLER BY-PASS HOLE COVER											
5D	**5124798**	GASKET					4		2			4	
		4.4211 - CONNECTION, OIL COOLER WATER INLET											
5C	**5124466**	ELBOW											1
5C	**5122422**	ELBOW				1		1					
5C	**5121724**	@ ELBOW	1										
#	**5124927**	@ ELBOW (4.4220)		1	1								
5C,E	**5124821**	ELBOW							1				
	5115214	PLUG, 1/2" (12.9550)	1	1	1								1
	103647	DRAINCOCK, 1/4" (12.9510)							1				
5C	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)	3	3	3	4		4	4				4
5C	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR	AR				AR

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 265	266	267	281	287	288	289	291	292	293	296	301
		4.4211 - CONNECTION, OIL COOLER WATER INLET (CONT'D)												
		# FIG. 13A OF 1.0000.												
		@ NOT SERVICED; USE 5127199 AND (2) 5145012 PLUGS.												
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION												
5C	**5117317**	GASKET				1			1					1
5C	**5117476**	GASKET	1	1	1									
5C,E	**5124822**	GASKET								1				
		4.4213 - HOSE, OIL COOLER WATER INLET												
5C	**5140553**	HOSE, 2 3/8"I.D.X3 1/2" (TO WATER PUMP)	1	1	1									
5C,E	**5137848**	HOSE, 2 1/2"I.D.X2.24"L.												1
5C,E	**5147744**	HOSE, 2 7/8"I.D.X4.5" (TO WATER PUMP)				1		1	1	1			1	
		4.4214 - CLAMP, OIL COOLER WATER INLET												
5C,E	**9139809**	CLAMP, 2 1/16"-3" RANGE (12.9660)	2	2	2									2
5C,E	**5188036**	CLAMP 2 9/16"-3 1/2" (12.9660)				2		2	2	2			2	
5C	**179839**	BOLT, 3/8"-16X1" (12.9001)				4			4					2
		4.4220 - ELBOW, OIL COOLER WATER (OUTLET-INLET)												
5C	**5129834**	ELBOW (OUTLET)				1			1					1
	5124821	ELBOW (INLET) (4.4211)						1		1				
	5142549	PLUG, 3/4" PIPE (12.9550) BOLT, 3/8"-16X1" (12.9001)												1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						4		4				
5C	**5152148**	WASHER, 3/8" FLAT COPPER							2					
5C	**103321**	LOCKWASHER, 3/8" (12.9200)				AR		AR	AR	AR				AR
5C	**117049**	NUT, 3/8"-24 HEX. (12.9120)												2
		4.4230 - GASKET, OIL COOLER WATER ELBOW												
5C	**5117254**	GASKET				1			1					1
5E	**5124822**	GASKET (4.4212)						1		1				

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 265	266	267	281	287	288	289	291	292	293	296	301
		4.4240 - HOSE, OIL COOLER WATER OUTLET												
5C	5102098	SEAL (3.60" O.D. X 5/8 W.)				1		1	1	1			1	1
		4.4242 - FLANGE, OIL COOLER WATER OUTLET												
5E	5125598 *	FLANGE (4.4320)	1	1	1									
	5121746 #	FLANGE (4.4320)	1	1	1									
5E	5124884	FLANGE						1		1			1	
5E	179839	BOLT, 3/8"-16X1" (12.9001)				4		4		4			4	
5E	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2									
5E	5152148	WASHER, 3/8" FLAT COPPER						2		2			2	
5E	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR		AR			AR	
	117049	NUT, 3/8"-24 HEX. (12.9120)	2	2	2									
		* EFFECTIVE WITH 6VA-398, 8VA-306.												
		# THRU 6VA-397, 8VA-305.												
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE												
	5117254	GASKET (4.4230)						1		1			1	
	5121745 #	SEAL RING (4.4325)	1	1	1									
	5125599 *	SEAL RING	1	1	1									
		# THRU 6VA-397, 8VA-305.												
		* EFF WITH 6VA-398, 8VA-306.												
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE												
5C	5143999	CLAMP, 4" HOSE				1		1	1	1			1	1
		4.4328 - BLOCK, OIL COOLER OIL JUNCTION												
	5136520	BLOCK, JUNCTION (MOUNTED FILTER)						1					1	
	5136701	GASKET						2					2	
	179839	BOLT, 3/8"-16X1" (12.9001)						6					6	
	103321	LOCKWASHER, 3/8" (12.9200)						6					6	
		4.4330 - HOSE, MARINE GEAR OIL OUTLET												
	5126739 *	HOSE, FLEX. (23 1/2"L.) (PUMP TO FILTER)										1		
	5114962 @ #	HOSE, FLEX. (28 3/8"L.) (PUMP TO FILTER)									1	1		
	5123317	HOSE, FLEX. (44"L.) (PUMP TO COOLER)					1							
	5114071	HOSE, FLEX. (45"L.) (FILTER TO COOLER) (9.1592)										1		

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 265	266	267	281	287	288	289	291	292	293	296	301
		4.4330 - HOSE, MARINE GEAR OIL OUTLET (CONT'D)												
	5188697	HOSE, FLEX. (48 11/16"L.) (FILTER TO COOLER) (8.3800)									1			
10B	**5110516**	HOSE, FLEX. (59"L.) (FILTER TO COOLER) (8.3800)				1								
	5115752	HOSE, FLEX. (59.50"L.) (STRAINER TO COOLER) (8.3820)							1					
	5183079	ADAPTOR (9.1720)							1					
	2325715	ELBOW, 1/2" (3.5505)					2							
	109429	ELBOW, 1/2"X90 DEG. (3.5505)				1								
	108686	ELBOW, 1/2"X90 DEG. (12.9590)				1								
	109429	ELBOW, 1/2"X90 DEG. (3.5505)									3	3		
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)									2	2		
	120062	BUSHING, 1"X1/2" RED. (12.9570)				2								
	189885	BUSHING, 1 1/2"X1/2" RED. (12.9570)					1							
	427243	NIPPLE, 3/4"X1 5/8"L. (12.9560)							1					
	144094	COUPLING, 3/4"X1" RED. (9.9530)							1					
		* EFF. WITH 6VA-50622, 8VA-81197.												
		@ THRU 6VA-50621, 8VA-81196.												
		# NOT SERVICED; CUSTOMER TO FABRICATE FROM 5199577 BULK HOSE PLUS (2) 5144251 & (2) 5146788.												
		4.4335 - HOSE, MARINE GEAR OIL INLET												
	5125788 *	HOSE, FLEX. (23 1/2"L.) (GEAR TO PUMP)									1	1		
	5177502 @	HOSE, FLEX. (28 1/2"L.) (GEAR TO PUMP) (9.1730)										1		
	5113642	HOSE ASSY., FLEX. (PUMP INLET) (4.3001)					1							
	5123321	HOSE ASSY., FLEX. (31"L.) (COOLER TO SELECTOR VALVE) (4.4330)					1							
10B	**5114071**	HOSE ASSY., FLEX. (45"L.) (9.1592)				1								
	5114051	HOSE ASSY., FLEX. (53 11/16"L.) (COOLER TO SELECTOR VALVE) (9.1592)										1		
	5110516	HOSE ASSY., FLEX. (59"L.) (COOLER TO SELECTOR VALVE) (8.3600)									1			
	5125721	HOSE ASSY., FLEX. (76 3/4"L.) (COOLER TO PUMP) (9.1587)							1					
	109429	ELBOW, 1/2"X90 DEG. (12.9390)				1					1	1		
	108686	ELBOW, 1/2"X90 DEG. (12.9510)				1								
	5125908	ELBOW, 1/2"X90 DEG. (4.4330)					1							
	2325715	ELBOW, 1/2" (3.5505)					1							
	118757	ELBOW, 3/8"X90 DEG. FL. TUBE (12.9390)					1							
	110289	ELBOW, 3/4"X90 DEG. (12.9390)					1							
	192651	ELBOW, 3/4"X2" RED. (12.9600)							1					

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 265	266	267	281	287	288	289	291	292	293	296	301
		4.4335 - HOSE, MARINE GEAR OIL INLET (CONT'D)												
	108687	ELBOW, 1"X90 DEG. (12.9590)							2			2		
	217986	ELBOW, 1"X3/4" RED. (12.9600)							1					
	120062	BUSHING, 1"X1/2" RED. (12.9570)				1	1							
	189885	BUSHING, 1 1/2"X1/2" RED. (12.9570)					1							
	5183079	ADAPTOR (9.1720)							3			3		
	141504	NIPPLE, 1/2"X1 1/2" PIPE (12.9560)							1					
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)							1					
		* THRU 6VA-50621, 8VA-81196.												
		@ EFFECTIVE WITH 6VA-50622, 8VA-81197.												
		4.4345 - CLIP, MARINE GEAR OIL LINES												
	5151189	CLIP (4.8040)				5					5	5		
	5184291	CLIP (8.3820)									1	1		
	5181415	CLIP (5.5390)							5					
	5160742	CLAMP (2.5220)					4							
	5181325	SUPPORT, CLIP (4.8042)									1	1		
	5123776	BRACKET, CLIP				1								
	5155464	BRACKET, CLIP (7.1582)							1					
	5114551	TAG (7.4545)							2					
	179812	BOLT, 5/16"-18X1/2" (12.9001)									1	1		
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)							1					
	100014	BOLT, 5/16"-24X1" (12.9001)									1	1		
	181360	BOLT, 3/8"-24X3/4" (12.9001)							1					
	186627	BOLT, 3/8"-24X1" (12.9001)				2								
	179857	BOLT, 7/16"-14X7/8" (12.9001)							1					
	120393	WASHER, 5/16" FLAT (12.9190)							1		1	1		
	103342	WASHER, 7/16" FLAT (12.9190)							1					
	120380	LOCKWASHER, 1/4" (12.9200)					AR							
	103320	LOCKWASHER, 5/16" (12.9200)							AR		AR	AR		
	103321	LOCKWASHER, 3/8" (12.9200)				AR								
	103322	LOCKWASHER, 7/16" (12.9200)							AR					
	123179	NUT, 1/4"-20 HEX. (12.9120)					2							
	123197	NUT, 5/16"-18 HEX. (12.9120)							1					
	114493	NUT, 5/16"-24 HEX. (12.9120)									1	1		
	117049	NUT, 3/8"-24 HEX. (12.9120)				2			2					
		4.4350 - TUBE, MARINE GEAR TO OIL STRAINER												
	5125730	PIPE (1"X21 1/2")							1					
	5127089	VALVE, CHECK							1					
	126168	NIPPLE, 3/4"X3" PIPE (12.9560)							1					
	427243	NIPPLE, 3/4"X1 5/8" PIPE (12.9560)							1					
	127874	NIPPLE, 1" CLOSE (12.9560)							1					
	217986	ELBOW, 1"X3/4" RED. (12.9550)							2					

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 265	266	267	281	287	288	289	291	292	293	296	301
		4.4355 - HOSE, MARINE GEAR TO OIL PRESSURE PUMP												
	5125907	HOSE, FLEX. (30"L.) (SUMP TO PUMP)					1							
	5176705	ELBOW, 90 DEG. (8.3800)					1							
	192652	ELBOW, 1 1/4"X1"-90 DEG. RED. (12.9600)					1							
	5125906	CONNECTOR, 1" PIPE (4.4330)					1							
	219359	NIPPLE, CLOSE (1 1/4"X3") (12.9560)					1							

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	319	320	334	336	338	339	340	342	343	344	345
		4.4001 - CORE, OIL COOLER												
5E	**5149054**	CORE ASSY. (TUBE TYPE) (TORQUE CONVERTER AND ENGINE)	1		1									
5A	**8514600**	CORE ASSY. (12 PLATES)		1			1					1		
5A	**8528885**	CORE ASSY. (16 PLATES)				1							1	1
5C	**8539503**	CORE ASSY. (TWIN 12 PLATES)						2		2	2			
5D	**5149052**	TUBE, BUNDLE	1		1									
5D	**5149053**	TUBE, BUNDLE	1		1									
5D	**5108071**	RING, "O"	2		2									
	179851	BOLT, 3/8"-16X3" (12.9001)	20		20									
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR									
		4.4003 - SHELL ASSY., OIL COOLER TUBE TYPE												
5D	**5149077**	SHELL ASSY.	1		1									
		4.4030 - GASKET, OIL COOLER CORE INNER												
5A	**5150155**	GASKET		1		1	1					1	1	1
5C	**5117404**	GASKET (REAR AND FRONT)						2		2	3			
5C	**5187312**	GASKET (HOUSING TO CORE) (4.2350)								2				
5C	**5117280**	GASKET (HOUSING TO PLATE)						2		2	1			
5A	**5144703**	GASKET							1					
		4.4040 - GASKET, OIL COOLER CORE OUTER												
5D	**5126618**	GASKET (COVER TO CORE)	2		2									
5A	**5102506**	GASKET		1		1	1					1	1	1
5A	**5117785**	GASKET (COVER TO ELEMENT)									1			
5A	**5175846**	GASKET (COVER TO ELEMENT)									1			
		4.4050 - HOUSING, OIL COOLER												
5A	**5128270**	HOUSING		1		1								
5C	**5126628**	HOUSING						2		2				
5C	**5122716**	HOUSING									1			
	5131279	HOUSING										1		
5A	**5129421**	HOUSING											1	
	5129741	HOUSING (MARINE GEAR)												1
5C	**5142549**	PLUG, 3/4" PIPE (12.9550)						1		2	2			
	103150	STUD (12.9117)		2								2		
5A	**114981**	DRAINCOCK, 1/8" (12.9510)		1		1								
5A	**103647**	DRAINCOCK, 1/4" (12.9510)									1	1	1	
5A	**215404**	BOLT, 5/16"-18X5 3/4" (12.9001)		7		7						8	8	
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)												3
5A	**9413341**	BOLT, 3/8"-16X7 1/4" (12.9001)		1		1								

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	319	320	334	336	338	339	340	342	343	344	345
		4.4050 - HOUSING, OIL COOLER (CONT'D)												
	120394	WASHER, 3/8" (12.9190)						4						
5A	103320	LOCKWASHER, 5/16" (12.9200)		AR		AR						AR	AR	
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR							AR	AR
		4.4060 - COVER, OIL COOLER HOUSING												
5D	5101270	COVER (FRONT)	1		1									
5D	5101188	COVER (REAR)	1		1									
10B	5167775	COVER (MARINE GEAR)					1							
10B	5124289	# COVER (MARINE GEAR)							1					
	5144151	COVER (REAR)									1			
10B	5101742	COVER (FRONT)									1			
	5188862	+ COVER												1
	103647	DRAINCOCK, 1/4" (12.9510)	1		1									
	5111798	PLUG, 1" PIPE (12.9550)	2		2						2			
	5121182	PLUG, 1/4" SKT. HD. (12.9550)	AR		AR									
	186629	BOLT, 5/16"-18X1" (12.9001)							8					
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)												8
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)									1			
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)					8							
	186274	BOLT, 5/16"-18X5" (12.9001)									23			
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	4		4									
	103320	LOCKWASHER, 5/16" (12.9200)					AR		AR		AR			AR
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR									
		# NOT SERVICED; USE 5146505 AND INCLUDE 2-5115214 PLUGS.												
		+ NOT SERVICED; USE 1-5107975 & 2-5142549.												
		4.4100 - BRACKET, OIL COOLER HOUSING SUPPORT												
	5124799	BRACKET (REAR)	1		1									
	179839	BOLT, 3/8"-16X1" (12.9001)	8		8									
	103321	LOCKWASHER, 3/8" (12.9001)	AR		AR									
		4.4110 - ADAPTOR ASSY., OIL COOLER												
5A	5127923	ADAPTOR		1		1								
5A	5123882	ADAPTOR (MARINE GEAR) (9.1588)					1							
5C	5126259	ADAPTOR (FRONT)						1		1				
5C	5126257	ADAPTOR (REAR)						1		1				
5C	5126258	ADAPTOR (FRONT)									1			
5C	5124636	ADAPTOR (REAR)									1			
5A	5133197	* ADAPTOR										1	1	
5C	186624	BOLT, 5/16"-18X1 1/8" (12.9001)									1			
5A	180083	BOLT, 5/16"-18X1 1/2" (12.9001)					2							
5A	179839	BOLT, 3/8"-16X1" (12.9001)		1		1								

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	319	320	334	336	338	339	340	342	343	344	345
		4.4110 - ADAPTOR ASSY., OIL COOLER (CONT'D)												
5A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		3		3		10		10		1 2	1 2	
5A,C	454906	BOLT, 3/8"-16X1 1/2" (12.9001)												
5C	138244	BOLT, 3/8"-16X1 1/2" HEX. SKT. HEAD (12.9027)						2		2	1 7			
5C	179844	BOLT, 3/8"-16X1 5/8" (12.9001)										4	5	
5A	179846	BOLT, 3/8"-16X1 7/8" (12.9001)									AR	AR	AR	
	5152148	WASHER, 3/8" COPPER (2.4050)					AR				AR			
	103320	LOCKWASHER, 5/16" (12.9200)												
5C	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR		AR		AR	AR	AR	AR	
		* NOT SERVICED, FOR SERVICE USE (1) EACH OF 5102265 ADAPTOR, 5101428 PLATE, 5102271 GASKET AND (2) EACH OF 186618 BOLT AND 103320 LOCKWASHER												
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
5A,C	5117535	GASKET (4.4117)	2	1	2	2		4		4	2	2	2	
	5126323	GASKET (5/16"O.D.) (4.4110)		1		1								
	5159430	GASKET (4.4180)					1							
5A,C	5126280	SPACER (8.20"L.)						2		2	2	2	2	
		4.4116 - COVER, OIL COOLER ADAPTOR												
	5125597	COVER (PLATE)		1		1								
5C	5130374	COVER (PLATE)									1			
	186625	BOLT, 5/16"-18X7/8" (12.9001)		2		2					2			
	103320	LOCKWASHER, 5/16" (12.9200)		2		2					2			
		4.4117 - GASKET, OIL COOLER ADAPTOR COVER												
	5125596	GASKET		1		1								
5C	5117711	GASKET									1			
		4.4120 - VALVE ASSY., OIL COOLER BY-PASS												
		A VALVE ASSY. INCLUDES BODY WHICH IS NOT SERVICED, PLUS ITEMS IN 4.4140, 4.4150 AND 4.4160.												
	5125586 +	VALVE ASSY.	1		1									
		+ THRU 8VA-22332, 12VA-5746 NOT SERVICED, REPLACE WITH 5133978 HOUSING, 1-5198303 VALVE KIT AND INCLUDE 1-5134052 BY-PASS TUBE.												

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	319	320	334	336	338	339	340	342	343	344	345
		4.4140 - VALVE, OIL COOLER BY-PASS												
5A	**5133431**	VALVE	1		1									
5A,C	**5177777**	VALVE		1		1		2		2	1	1	1	
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE												
5A	**5134477**	SPRING	1		1									
5A,C	**5177778**	SPRING		1		1		2		2	1	1	1	
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE												
5A,C	**5177772**	PLUG		1		1					1	1	1	
5C	**5127797**	PLUG (18 MM.X1.5MM. SLOTTED HEAD)						2		2				
5A	**5134456**	RETAINER	1		1									
	121832	SCREW, #8-32X3/8" (12.9025)	1		1									
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG												
5A,C	**5177773**	GASKET		1		1		2		2	1	1	1	
		4.4176 - TUBE, OIL COOLER BY-PASS												
	5125587	TUBE (1 3/8" DIA., 9.02"L.)	1		1									
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE												
5D	**5124859**	FLANGE	2		2									
5D	**186283**	BOLT, 3/8"-16X3 1/2" (12.9001)	2		2									
5D	**9418964**	BOLT, 3/8"-16X5" (12.9001)	2		2									
5D	**103321**	LOCKWASHER, 3/8" (12.9200)	4		4									
		4.4178 - GASKET, OIL COOLER BY-PASS TUBE FLANGE												
5D	**5124798**	GASKET (FLANGE)	2		2									
5D	**5193598**	SEAL RING (5.6176)	2		2									
		4.4182 - COVER, COOLER BY-PASS HOLE												
	5133837	COVER	2		2									
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	4		4									
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR									

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	319	320	334	336	338	339	340	342	343	344	345
		4.4184 - GASKET, COOLER BY-PASS HOLE COVER												
	5124798	GASKET	2		2									
		4.4211 - CONNECTION, OIL COOLER WATER INLET												
	5125595	TUBE (DEV. L. 10.88")		1		1		1						
*	5127646	TUBE (DEV. L. 26.62")						1						
#	5124821	ELBOW			1									
*	5127462	ELBOW (REAR)						1		1				
*	5126057	ELBOW (FRONT)						1		1				
5C	5124466	ELBOW									1			
#	5124927 @	ELBOW (4.4220)										1	1	
	5136693	BRACKET						1						
	5108560	CLAMP ASSY. (6.2090)						2				1	1	
	5115214	PLUG, 1/2" (12.9550)												
	103647	DRAINCOCK, 1/4" (12.9510)						1		1				
	180121	BOLT, 3/8"-16X7/8" (12.9001)						4					3	
	179839	BOLT, 3/8"-16X1" (12.9001)								6				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			4						3	3		
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)						2		2				
	103321	LOCKWASHER, 3/8" (12.9200)			AR			AR		AR	AR	AR	AR	
		* FIG. 13D OF 1.0000.												
		# FIG. 10C OF 5.0000.												
		@ NOT SERVICED; USE 5127199 AND (2) 5145012.												
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION												
5C	5117317	GASKET						2		2	1			
	5117476	GASKET										1	1	
		4.4213 - HOSE, OIL COOLER WATER INLET												
#,5C	5199780 *	HOSE (2 3/8"I.D.X2 3/4") (TO WATER PUMP)	1	2		2					1	1	1	
5C,D	5136037	HOSE, 2 1/2"I.D.X3 1/4" (REAR)						1		1				
5C	5147744	HOSE, 2 7/8"I.D.X2 1/4" (TO WATER PUMP)			1									
#,5C,D	5136038	HOSE, 3 1/2"I.D.X4 1/2"						2						2
		# FIG. 10C OF 5.0000.												
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE												
#,5C,D	9139809	CLAMP, 2 1/16"-3" RANGE (12.9660)	2	4		4					2	2	2	
	5135647	CLAMP, 2 1/2" HOSE (12.9660)						2		2				
#,5C,D	5188036	CLAMP, 2 9/16"-3 1/2" (12.9660)			2									

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	319	320	334	336	338	339	340	342	343	344	345
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE (CONT'D)												
	5136306	CLAMP, HOSE (3 7/8"-4 3/16") (12.9660) # FIG. 10C OF 5.0000.						4						8
		4.4220 - ELBOW, OIL COOLER WATER (OUTLET-INLET)												
	5127904	ELBOW (INLET)	1											
5C	5129835	ELBOW (OUTLET) (FRONT)						1		1				
5C	5129834	ELBOW (OUTLET) (REAR)						1		1	1			
	5142549	PLUG, 3/4"-14 (12.9550)						2						
5C	179839	BOLT, 3/8"-16X1" (12.9001)						4		4	2			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4											
5C	103321	LOCKWASHER, 3/8" (12.9200)	AR					AR		AR	AR			
	117049	NUT, 3/8"-24 HEX. (12.9120)						4			2			
	103026	NUT, 3/8"-24 HEX. (12.9120)								4				
		4.4230 - GASKET, OIL COOLER WATER ELBOW												
5C,D	5124822	GASKET (4.4212)	1		1			1		1				
5C	5117734	GASKET (FRONT) (1.1070)						1		1	1			
5C	5117254	GASKET (REAR)						1		1				
		4.4240 - HOSE, OIL COOLER WATER OUTLET												
5C	5144078	SEAL, 3 1/2"O.D.X5/8"W.	1		1			2		2	1			
		4.4242 - FLANGE, OIL COOLER WATER OUTLET												
5E	5124884	FLANGE	1		1							1	1	
	5125598 *	FLANGE (4.4320)		1		1								
5E	179839	BOLT, 3/8"-16X1" (12.9001)	4		4							2	2	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		2		2								
5E	5152148	WASHER, 3/8" FLAT COPPER	2		2							AR	AR	
5E	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR						2	2	
	117049	NUT, 3/8"-16 HEX. (12.9120)	2	2	2	2								
		* EFFECTIVE WITH 6VA-398, 8VA-306.												
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE												
5E	5117254	GASKET (4.4230)	1		1									
	5121745 #	SEAL RING (4.4325)		1		1						1	1	
	5125599 *	SEAL RING (4.4244)		1		1								

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	319	320	334	336	338	339	340	342	343	344	345
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE (CONT'D)												
		# THRU 6VA-397, 8VA-305.												
		* EFFECTIVE WITH 6VA-398, 8VA-306.												
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE												
5C,E	**5143999**	CLAMP, 3 1/2" HOSE (4.4250)	1		1			2		2	1			
		4.4328 - BLOCK, OIL COOLER OIL JUNCTION												
	5124818	BLOCK, JUNCTION (REMOTE MOUNTED FILTER)	1		1									
	5136701	GASKET	2		2									
	179839	BOLT, 3/8"-16X1" (12.9001)	6		6									
	103321	LOCKWASHER, 3/8" (12.9200)	6		6									
		4.4330 - HOSE, MARINE GEAR OIL OUTLET												
10B	**5185389**	HOSE, FLEX. (GEAR TO COOLER)					1							
	5108460	HOSE, FLEX. (83 5/8"L.) (PUMP TO COOLER)												1
	5183079	ADAPTOR (9.1720)												1
	140798	ELBOW, 45 DEG. (12.9590)												1
	217986	ELBOW, 3/4"X1" RED. PIPE (12.9600)												2
	119096	ELBOW, 1"X45 DEG. (12.9550)												1
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)					1							
	144613	NIPPLE, 3/4" CLOSE (12.9560)												2
		4.4335 - HOSE, MARINE GEAR OIL INLET												
10B	**5185389**	HOSE, FLEX. (COOLER TO SELECTOR VALVE) (8.3830)					1							
	5108459	* HOSE, FLEX. (71 5/8"L.) (COOLER TO PUMP)												1
10B	**142269**	BUSHING, 1/2"X3/8" RED. (12.9570)					1							
	217986	ELBOW, 3/4"X1" RED. PIPE (12.9600)												2
	5183079	ADAPTOR (9.1720)												1
	144613	NIPPLE, 3/4" CLOSE (12.9560)												1
	190723	NIPPLE, 3/4"X2 1/2" (12.9560)												1
		* OBSOLETE.												
		4.4345 - CLIP, MARINE GEAR OIL LINES												
	3290076	CLIP (4.8040)					4							
	5108612	CLIP												1
	5181415	CLIP (5.5390)												4

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	319	320	334	336	338	339	340	342	343	344	345
		4.4345 - CLIP, MARINE GEAR OIL LINES (CONT'D)												
	5111079	BRACKET, CLIP					1							
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)												1
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)												1
	181595	BOLT, 5/16"-24X3/4" (12.9001)					1							
	120393	WASHER, 5/16" FLAT (12.9190)					2							2
	103320	LOCKWASHER, 5/16" (12.9200)					AR							AR
	120376	NUT, 5/16"-18 HEX. (12.9120)												1
	114493	NUT, 5/16"-24 HEX. (12.9120)					1							

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3555	3556	3557	3562	3563	3564	3565	3566	3567	3568	3571
		4.4001 - CORE, OIL COOLER											
5A	**8514600**	CORE ASSY. (12 PLATES)									1		1
5A	**8528885**	CORE ASSY. (16 PLATES)											1
5C	**8539503**	CORE ASSY. (TWIN 12 PLATES)		2	2		1					1	
5A	**8532253**	CORE ASSY. (16 PLATES)				1							
	8502833	CORE ASSY. (12 PLATES)						1					
5A	**8514600**	CORE ASSY. (12 PLATES)							2				
5E	**5149056**	CORE ASSY. (TUBE TYPE) (TORQMATIC BRAKE AND ENGINE)								1			
54	**5149056**	CORE ASSY. (TUBE TYPE) (TORQMATIC BRAKE ONLY)								1			
5D	**5149059**	TUBE, BUNDLE								1			
5D	**5149058**	TUBE, BUNDLE								1			
5D	**5149057**	TUBE, BUNDLE								2			
5D	**5108071**	RING, "O"								4			
	186317	BOLT, 3/8"-24X5" (12.9001)								12			
	103321	LOCKWASHER, 3/8" (12.9200)								AR			
	117049	NUT, 3/8"-24 HEX. (12.9120)								12			
		4.4003 - SHELL ASSY., OIL COOLER TUBE TYPE											
5D	**5149078**	SHELL ASSY.								1			
5D	**5149079**	SHELL ASSY.								1			
		4.4030 - GASKET, OIL COOLER CORE INNER											
5A	**5150155**	GASKET				1		1	2		1		2
5C	**5117404**	GASKET (REAR AND FRONT)		3	2		1					1	
5C	**5187312**	GASKET (HOUSING TO CORE) (4.2350)			2								
5C	**5117280**	GASKET (HOUSING TO PLATE)		1	2		1					1	
	5124806	GASKET (CORE TO CORE)								1			
		4.4040 - GASKET, OIL COOLER CORE OUTER											
5D	**5126618**	GASKET (COVER TO CORE)								2			
5A	**5102506**	GASKET				1		1	2		1		2
5A	**5117785**	GASKET (COVER TO ELEMENT)		1			1					1	
5A	**5175846**	GASKET (COVER TO ELEMENT)											
5C	**5187312**	GASKET (4.2350)		2									
		4.4050 - HOUSING, OIL COOLER											
5C	**5126628**	HOUSING			2								
5C	**5122716**	HOUSING		1									
	5131279	HOUSING						1	1				
5A	**5129421**	HOUSING				1							1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3555	3556	3557	3562	3563	3564	3565	3566	3567	3568	3571
		4.4050 - HOUSING, OIL COOLER (CONT'D)											
5C	**5117690**	HOUSING					1					1	
5C	**5142549**	PLUG, 3/4" PIPE (12.9550)		1			1					1	
	103150	STUD (12.9117)						2	2				
5A	**103647**	DRAINCOCK, 1/4" (12.9510)		1		1	1	1	1			1	1
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)						8	8				
5A	**215404**	BOLT, 5/16"-18X5 3/4" (12.9001)				8							8
5A	**103320**	LOCKWASHER, 5/16" (12.9200)				AR		AR	AR				AR
		4.4060 - COVER, OIL COOLER HOUSING											
5D	**5101270**	COVER (FRONT)								1			
5D	**5101188**	COVER (REAR)								1			
10B	**5167775**	COVER (MARINE GEAR)									1		1
10B	**5124289**	# COVER (MARINE GEAR)							1				
10B	**5101742**	COVER (FRONT)					1					1	
10B	**5123902**	COVER (FRONT)		1									
10B	**5123844**	+ COVER (REAR) (4.2290)		1									
	5121182	PLUG, 1/4" SKT. HD. (12.9550)								AR			
	5111798	PLUG, 1" PIPE (12.9550)								3			
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)		1									
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)							8		8		8
	186274	BOLT, 5/16"-18X5" (12.9001)		21									
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)					12					12	
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)		2									
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)								4			
	179851	BOLT, 3/8"-16X3" (12.9001)								24			
	446202	WASHER, 5/16" COPPER (12.9190)		1									
	5152148	WASHER, 3/8" COPPER (2.4050)								2			
	103320	LOCKWASHER, 5/16" (12.9200)		AR			AR		AR		AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)								AR			
		# NOT SERVICED; USE 5146505 AND INCLUDE 2-5115214 PLUGS.											
		+ NOT SERVICED; USE 8921688, 2-25010495.											
		4.4062 - BRACKET, OIL COOLER COVER											
5F	**5126953**	PLATE (15 1/2"L.) (TO FLYWHEEL HOUSING)								1			
5F	**5136568**	PLATE (15 1/2"L.) (TO OIL COOLER COVER)								1			
5F	**5127000**	PLATE (4.25"L.) (UPPER)								1			
5F	**5127001**	PLATE (6"L.) (LOWER)								1			
5F	**5129230**	SHIM (.062) (3 HOLE)								AR			
5F	**5129231**	SHIM (.062) (5 HOLE)								AR			
5F	**179844**	BOLT, 3/8"-16X1 5/8" (12.9001)								3			
5F	**186619**	BOLT, 3/8"-16X1 3/4" (12.9001)								5			

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3555	3556	3557	3562	3563	3564	3565	3566	3567	3568	3571
		4.4062 - BRACKET, OIL COOLER COVER (CONT'D)											
5F	**5157244**	BOLT, 3/8"-16X1 3/4" (4.4190)								3			
5F	**181374**	BOLT, 3/8"-24X1 1/2" (12.9001)								5			
5F	**271557**	BOLT, 5/8"-11X1 3/8" (12.9001)								3			
5F	**103321**	LOCKWASHER, 3/8" (12.9200)								AR			
5F	**103334**	LOCKWASHER, 5/8" (12.9200)								AR			
5F	**117049**	NUT, 3/8"-24 HEX. (12.9120)								5			
		4.4064 - GASKET, OIL COOLER COVER BRACKET											
	5136701	GASKET (TO OIL COOLER COVER) (4.4328)								2			
	5130995	GASKET (TO FLYWHEEL HOUSING) (7.3004)								1			
		4.4110 - ADAPTOR ASSY., OIL COOLER											
5A	**5123882**	ADAPTOR (MARINE GEAR)									1		
5C	**5126259**	ADAPTOR (FRONT)			1								
5C	**5126257**	ADAPTOR (REAR)			1								
5C	**5126258**	ADAPTOR (FRONT)		1									
	5102264	# ADAPTOR (8923286)											1
5A	**5133197**	* ADAPTOR				1		1	1				
5C	**5117057**	ADAPTOR (REAR)		1									
5C	**5122850**	ADAPTOR					1					1	
5C	**186624**	BOLT, 5/16"-18X1 1/8" (12.9001)		1									
5A	**180083**	BOLT, 5/16"-18X1 1/2" (12.9001)									2		
5A	**5101377**	BOLT, 3/8"-16X1" W/SEAL SPL. (12.9101)					4					4	
5A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)				1		1	1				1
5C	**138243**	BOLT, 3/8"-16X1 1/4" SKT. HD. (12.9027)					4					4	
5C	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)					2					2	
5A,C	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)		3	10	2		2	2				2
5C	**138244**	BOLT, 3/8"-16X1 1/2" HEX. SKT. HEAD (12.9027)		1	2								
5C	**179844**	BOLT, 3/8"-16X1 5/8" (12.9001)		5									
5A	**179846**	BOLT, 3/8"-16X1 7/8" (12.9001)				5		4	4				5
	5152148	WASHER, 3/8" COPPER (2.4050)		AR		AR		AR	AR				AR
	103320	LOCKWASHER, 5/16" (12.9200)		AR							AR		
5C	**103321**	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR			AR	AR
		* NOT SERVICED, USE 5102264 PLUS (1) 5102265 (1) 5102271 AND (2) 186618 AND (2) 103320.											
		# NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.											
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK											
5A,C	**5117535**	GASKET (4.4117)		2	4	2	2	2	2	2		2	2
	5159430	GASKET (4.4180)									1		
	8920763	SPACER, .385"X1.00"X.013" THK					2					2	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3555	3556	3557	3562	3563	3564	3565	3566	3567	3568	3571
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK (CONT'D)											
5A,C	**5126280**	SPACER (8.20"L)		3	2	2	1	2	2			1	2
		4.4116 - COVER, OIL COOLER ADAPTOR											
5C	**5102265**	COVER (PLATE)											1
5C	**5122851**	COVER (PLATE)					1					1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)					3					3	5
	103320	LOCKWASHER, 5/16" (12.9200)					3					3	5
		4.4117 - GASKET, OIL COOLER ADAPTOR COVER											
5C	**8921404**	GASKET											1
5C	**5122852**	GASKET (ADAPTOR)					1					1	
		4.4120 - VALVE ASSY., OIL COOLER BY-PASS											
		A VALVE ASSY. INCLUDES BODY WHICH IS NOT SERVICED, PLUS ITEMS IN 4.4140, 4.4150 AND 4.4160.											
	5125586	+ VALVE ASSY.								1			
		+ THRU 8VA-22332, 12VA-5746 NOT SERVICED, REPLACE WITH 5133978 HOUSING, 1-5198303 VALVE KIT AND INCLUDE 1-5134052 BY-PASS TUBE.											
		4.4140 - VALVE, OIL COOLER BY-PASS											
5A	**5575088**	VALVE								1			
5A,C	**5177777**	VALVE		1	2	1	1	1	1			1	1
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE											
5A	**5575680**	SPRING								1			
5A,C	**5177778**	SPRING		1	2	1	1	1	1			1	1
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE											
5A,C	**5177772**	PLUG		1		1	1	1	1			1	1
5C	**5127797**	PLUG (18 MM.X1.5MM. SLOTTED HEAD)			2								
5A	**5134456**	RETAINER								1			
	121832	SCREW, #8-32X3/8" (12.9025)								1			

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 355	356	357	362	363	364	365	366	367	368	371
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG											
5A,C	**5177773**	GASKET		1	2	1	1	1	1			1	1
		4.4176 - TUBE, OIL COOLER BY-PASS											
	5125587	TUBE (1 3/8" DIA., 9.02"L.)								1			
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE											
5D	**5124859**	FLANGE								2			
5D	**9418964**	BOLT, 3/8"-16X5" (12.9001)								2			
5D	**186658**	BOLT, 3/8"-24X5 1/2" (12.9001)								2			
5D	**103321**	LOCKWASHER, 3/8" (12.9200)								4			
5D	**117049**	NUT, 3/8"-24 HEX. (12.9120)								2			
		4.4178 - GASKET, OIL COOLER BY-PASS TUBE FLANGE											
5D	**5124798**	GASKET (FLANGE)								2			
5D	**5193598**	SEAL RING (5.6176)								2			
		4.4182 - COVER, COOLER BY-PASS HOLE											
	5133837	COVER								1			
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)								2			
	103321	LOCKWASHER, 3/8" (12.9200)								AR			
		4.4184 - GASKET, COOLER BY-PASS HOLE COVER											
	5124798	GASKET								1			
		4.4211 - CONNECTION, OIL COOLER WATER INLET											
*	**5127646**	TUBE (DEV. L. 26.62")			1								
*	**5127462**	ELBOW (REAR)			1								
*	**5126057**	ELBOW (FRONT)			1								
5C	**5124466**	ELBOW					1						
#	**5124927**	@ ELBOW (4.4220)				1		1	1				1
#,5C	**5122422**	ELBOW		1						1			
	5127904	ELBOW										1	
5C	**5108224**	ELBOW (4.4220)								1			
	444692	PLUG, 1/4" PIPE (12.9550)				1	1	1	1				1
	5115214	PLUG, 1/2" (12.9550)											

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3556	3566	3567	3623	3634	3635	3636	3637	3638	3671
		4.4211 - CONNECTION, OIL COOLER WATER INLET (CONT'D)										
	103647	DRAINCOCK, 1/4" (12.9510)			1				1			
	179839	BOLT, 3/8"-16X1" (12.9001)			6							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		4		3	4	3	3	4	4	3
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			2							
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR
		* FIG. 13D OF 1.0000.										
		# FIG. 10C OF 5.0000.										
		@ NOT SERVICED; USE 5127199 AND (2) 5145012.										
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION										
5C	5117317	GASKET		1	2		1				1	
	5117476	GASKET				1		1	1			1
	5124822	GASKET							1			
		4.4213 - HOSE, OIL COOLER WATER INLET										
#,5C	5199780 *	HOSE (2 3/8"I.D.X2 3/4") (TO WATER PUMP)				1	2	1	1	1		1
5C,D	5136037	HOSE, 2 1/2"I.D.X3 1/4" (REAR)			1							
5C	5147744	HOSE, 2 7/8"I.D.X2 1/4" (TO WATER PUMP)		1							1	
,5C,D	5136038	HOSE, 3 1/2"I.D.X4 1/2"			2							
		# FIG. 10C OF 5.0000.										
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.										
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE										
#,5C,D	9139809	CLAMP, 2 1/16"-3" RANGE (12.9660)			4	2	2	2	2			2
#,5C,D	5188036	CLAMP, 2 9/16"-3 1/2" (12.9660)		2						2	2	
#,5C	5143999	CLAMP, 3 1/2" HOSE (4.4250)			8							
		# FIG. 10C OF 5.0000.										
		4.4220 - ELBOW, OIL COOLER WATER (OUTLET-INLET)										
5C	5129835	ELBOW (OUTLET) (FRONT)			1							
5C	5129834	ELBOW (OUTLET) (REAR)		1	1		1				1	
	5142549	PLUG, 3/4" PIPE (12.9550)					1				1	
5C	179839	BOLT, 3/8"-16X1" (12.9001)		4	4		4				4	
	5152148	WASHER, 3/8" FLAT (COPPER)		2			2				2	

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 355	356	357	362	363	364	365	366	367	368	371
		4.4220 - ELBOW, OIL COOLER WATER (OUTLET-INLET)(CONT'D)											
5C	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR		AR					AR	
	103026	NUT, 3/8"-24 HEX. (12.9120)			4								
		4.4230 - GASKET, OIL COOLER WATER ELBOW											
5C	5117734	GASKET (FRONT) (1.1070)			1								
5C	5117254	GASKET (REAR)		1	1		1					1	
		4.4240 - HOSE, OIL COOLER WATER OUTLET											
5C	5144078	SEAL, 3 1/2"O.D.X5/8"W.		1	2		1			1		1	
		4.4242 - FLANGE, OIL COOLER WATER OUTLET											
5E	5124884	FLANGE								1			
	5125598 *	FLANGE (4.4320)				1		1	1				1
5E	179839	BOLT, 3/8"-16X1" (12.9001)								4			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				2		2	2				2
5E	5152148	WASHER, 3/8" FLAT COPPER								2			
5E	103321	LOCKWASHER, 3/8" (12.9200)				AR		AR	AR	AR			AR
	117049	NUT, 3/8"-16 HEX. (12.9120)				2		2	2				2
		* EFFECTIVE WITH 6VA-398, 8VA-306.											
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE											
5E	5117254	GASKET (4.4230)								1			
	5125599 *	SEAL RING (4.4244)				1		1	1				1
		* EFFECTIVE WITH 6VA-398, 8VA-306.											
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE											
5C,E	5143999	CLAMP, 3 1/2" HOSE (4.4250)		1	2		1			1		1	
		4.4330 - HOSE, MARINE GEAR OIL OUTLET											
	5108459	HOSE, FLEX. (71 5/8"L.) (PUMP TO COOLER)	1										
	5110516	HOSE, FLEX. (80"L.) (OUTLET TO COOLER)									1		
	5183079	ADAPTOR (9.1720)	1										
	116489	CONNECTOR 5/8" TUBE									1		

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3555	3556	3557	3562	3563	3564	3565	3566	3567	3568	3571
		4.4330 - HOSE, MARINE GEAR OIL OUTLET (CONT'D)											
	108687	ELBOW, 1"X90 DEG. STREET (12.9590)	1										
		4.4335 - HOSE, MARINE GEAR OIL INLET											
	5184084	* HOSE, FLEX. (COOLER TO JUNCTION BLOCK)	1										
	5114117	HOSE, FLEX. (FILTER TO REVERSE GEAR) (8.3800)	1										
	5186991	@ HOSE, FLEX. (JUNCTION BLOCK TO OIL FILTER)	1										
	5123088	HOSE, FLEX. (72"L.) (COOLER TO PUMP)									1		
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)	2								2		
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)									2		
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9590)	2										
	108687	ELBOW, 1"-90 DEG. STREET (12.9590)	2										
	116487	CONNECTOR, 1/2" (12.9380)									1		
	5183079	ADAPTOR (9.1720)	1										
		* NOT SERVICED, USE 5115752 AND (1) 5183079 CONNECTOR											
		@ NOT SERVICED, CUSTOMER TO FABRICATE FROM BULK MATERIAL IN 12.8550											
		4.4345 - CLIP, MARINE GEAR OIL LINES											
	5184291	CLIP (8.3820)	4										
	5151189	CLIP (4.8040)									4		
	5109000	BRACKET, CLIP									1		
	5127861	BRACKET, CLIP (7.1587)									1		
	5114551	TAG (7.4545)									2		
	5160629	SPACER, 13/32"X7/32" (4.2270)									1		
	180121	BOLT, 3/8"-16X7/8" (12.9001)									1		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									1		
	103321	LOCKWASHER, 3/8" (12.9200)									1		
	102635	NUT, 3/8"-16 HEX. (12.9120)									1		

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 374	375	381	382	383	386	387	395	397	398	399	406
		4.4001 - CORE, OIL COOLER												
	8541903	CORE ASSY (18 PLATE)		1			1							
5A	**8514600**	CORE ASSY. (12 PLATE)	1		1									
5C	**8528885**	CORE ASSY. (16 PLATE)		1		2		2	2	1		2	1	2
5C	**8539503**	CORE ASSY. (24 PLATE)									2			
		4.4030 - GASKET, OIL COOLER CORE INNER												
5A	**5150155**	GASKET	1	1	1		1						1	
5C	**5117404**	GASKET (4.4115)				2		2	2	1	3	3		2
5C	**5117280**	GASKET (HOUSING TO ADAPTOR)				2		2	2	1	1	1		2
		4.4040 - GASKET, OIL COOLER CORE OUTER												
5A	**5154215**	GASKET	1	1	1		1						1	
5C	**5177815**	GASKET				2								
5C	**5187312**	GASKET (4.2350)						2	2					2
5C	**5175846**	GASKET (COVER TO CORE)								1	1	1		
5C	**5117785**	GASKET (COVER TO CORE)									1			
	5124085	GASKET (COVER TO CORE)										1		
5C	**5130997**	GASKET (COVER TO CORE) (4.4060)												2
		4.4050 - HOUSING, OIL COOLER												
5B	**5117824**	* HOUSING		1										
5C	**5128270**	HOUSING			1									
5C	**5126628**	HOUSING (FRONT AND REAR)				2		2	2					2
5B	**5131279**	HOUSING					1							
5C	**5117690**	HOUSING								1				
5C	**5122716**	HOUSING									1	1		
	5129741	HOUSING											1	
	114981	DRAINCOCK, 1/8" (12.9510)			1									
	103647	DRAINCOCK, 1/4" (12.9510)		1			1			1	1	1		
5C	**5121182**	PLUG, 1/4" PIPE (12.9550)		1										
5C	**5142549**	PLUG, 3/4" PIPE (12.9550)								1	2	2		
	103150	STUD (12.9117)			2									
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)		8	7		8							
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)											3	
	9413341	BOLT, 3/8"-16X7 1/4" (12.9001)			1									
	103320	LOCKWASHER, 5/16" (12.9200)		8	7		8							
	103321	LOCKWASHER, 3/8" (12.9200)			1								3	

* NOT SERVICED; USE 5129421. WHEN REPLACING 5117824 BY 5129421 FOR THE 6V-71, INCLUDE 1-8528885 16 PLATE ELEMENT.

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 374	375	381	382	383	386	387	395	397	398	399	406
		4.4060 - COVER, OIL COOLER HOUSING												
10B	5167775	COVER (MARINE GEAR)	1											
5C	5130998	COVER (REAR)				2								
	5184472	COVER (PLATE)				2								
5C	5101742	COVER (FRONT)								1	1	1		
5C	5144151	COVER (REAR)									1			
5C	5117553	COVER (REAR)										1		
	5188862	+ COVER (MARINE GEAR)											1	
5C	5131176	COVER (FRONT)												1
5C	5130998	COVER (REAR)												1
	5184474	GASKET (COVER PLATE)				2								
	5111798	PLUG, 1" PIPE (12.9550)									2			
	179816	BOLT, 5/16"-18X3/4" (12.9001)				2								
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)											8	
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)									1	1		
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)	8											
	186274	BOLT, 5/16"-18X5" (12.9001)				18					23	17		
	148372	BOLT, 5/16"-18X5 1/8" (12.9001)												16
	272545	BOLT, 3/8"-18X5 1/4" (12.9001)								12	11			
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)										3		
	215386	BOLT, 5/16"-18X6" (12.9001)										3		5
	214054	BOLT, 5/16"-18X6 1/4" (12.9001)				4								
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)				2								
	446202	WASHER, 5/16" FLAT (COPPER) (12.9190)								2	2	2		3
	103320	LOCKWASHER, 5/16" (12.9200)	AR			AR				AR	AR	AR	AR	AR
		+ NOT SERVICED; USE 1-5107975 & 2-5142549.												
		4.4110 - ADAPTOR ASSY., OIL COOLER												
5A	5123882	ADAPTOR (MARINE GEAR)	1											
5A	5102264	# ADAPTOR (8923286)		1			1							
5C	5130148	* ADAPTOR			1									
5C	5126259	ADAPTOR (FRONT)				1		1	1					1
5C	5126257	ADAPTOR (REAR)				1		1	1					1
5C	5117680	ADAPTOR								1				
5C	5126258	ADAPTOR (FRONT)									1	1		
5C	5124636	ADAPTOR (REAR)									1			
5C	5117057	ADAPTOR (REAR)										1		
	5146646	PLUG, 1 1/4" (12.9550)				2								
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)									1			
5A	180083	BOLT, 5/16"-18X1 1/2" (12.9001)	2											
5C	179839	BOLT, 3/8"-16X1" (12.9001)			5					2				
5C	5101377	BOLT, 3/8"-16X1" HEX. W/SEAL SPL. (12.9001)										4		
5A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1			1							
5C	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								2				
5C	138243	BOLT, 3/8"-16X1 1/4" SKT. HD. (12.9027)								4				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)									2			
5A,C	454906	BOLT, 3/8"-16X1 1/2" (12.9001)		2		10	2	10	10			3		10
5C	138244	BOLT, 3/8"-16X1 1/2" SKT. HD.				2		2	2		1	1		2

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 374	375	381	382	383	386	387	395	397	398	399	406
		4.4110 - ADAPTOR ASSY., OIL COOLER (CONT'D)												
		(12.9027)												
5C	179844	BOLT, 3/8"-16X1 5/8" (12.9001)									5	3		
5A	179846	BOLT, 3/8"-16X1 7/8" (12.9001)		5			4							
5C	179848	BOLT, 3/8"-16X2 1/4" (12.9001)								1				
	5152148	WASHER, 3/8"X9/16" (2.4060)		1			1				4			
	103320	LOCKWASHER, 5/16" (12.9200)	AR								AR			
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR		AR
		* OBSOLETE.												
		# NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.												
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
	5159430	GASKET (4.4180)	1											
5A,C	5117535	GASKET (4.4117)		2	2	4	2	4	4	2	2	2		4
5C	5126323	GASKET (5/16"O.D.)			2									
5A,C	5126280	SPACER (8.20"L.)		2		2	2	2	2	2	2	3		2
		4.4116 - COVER, OIL COOLER ADAPTOR												
5C	5130147	+ COVER (PLATE)			1									
5C	5130374	COVER (PLATE)								1	1			
5C	5102265	COVER (PLATE)		1										
5C	186625	BOLT, 5/16"-18X7/8" (12.9001)		5	2					2	2			
5C	103320	LOCKWASHER, 5/16" (12.9200)		5	2					2	2			
		+ OBSOLETE.												
		4.4117 - GASKET, OIL COOLER ADAPTOR COVER												
5C	5130146	GASKET			1									
5C	8921404	GASKET		1										
5C	5117711	GASKET								1	1			
		4.4140 - VALVE, OIL COOLER BY-PASS												
5A,C	5177777	VALVE		1	1	2	1	2	2	1	1	1		2
5C	5133431	VALVE (TO FILTER ADAPTOR) (4.2485)												2
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE												
5A,C	5177778	SPRING		1	1	2	1	2	2	1	1	1		2
5C	5575680	SPRING (TO FILTER ADAPTOR) (4.2486)												2
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE												
5A,C	5177772	PLUG		1	1		1			1	1	1		
5C	5127797	PLUG (18 MM. X 15 MM.)				2		2	2					2
5C	5126686	PLUG (TO FILTER ADAPTOR) (4.2488)												2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 374	375	381	382	383	386	387	395	397	398	399	406
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG												
5A,C	5177773	GASKET		1	1	2	1	2	2	1	1	1		2
5C	5575086	GASKET (TO FILTER ADAPTOR) (4.2489)												2
		4.4176 - TUBE, OIL COOLER BY-PASS												
	5131178 *	TUBE (1"X12 3/4"L.)												1
	5131179 *	TUBE (1"X13 1/2"L.)												1
	5176534	ELBOW, 1"-90 DEG. TUBE SEALASTIC (12.9425)												2
	5176533	CONNECTOR, 1" TUBE SEALASTIC (12.9415)												2
	5176536	SEAL RING, 1" TUBE SEALASTIC (12.9435)												4
	5176535	NUT, 1" TUBE SEALASTIC (12.9445)												4
		* NOT SERVICED. REPLACE WITH 5199722 BULK HOSE AND 2-5199727 FITTINGS.												
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE												
	5135863	ADAPTOR (OIL FILTER LINES)												1
	5146646	PLUG, 1 1/4" PIPE (12.9550)												2
	179830	BOLT, 5/16"-18X3" (12.9001)												1
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)												1
	216858	BOLT, 5/16"-18X9" (12.9001)												2
	446202	WASHER, 5/16" FLAT (COPPER) (12.9190)												1
	103320	LOCKWASHER, 5/16" (12.9200)												3
		4.4178 - GASKET, OIL COOLER BY-PASS TUBE FLANGE												
	5131185	GASKET												1
		4.4211 - CONNECTION, OIL COOLER WATER INLET												
5C,D	5127199	ELBOW		1										
*	5127462	ELBOW (REAR COOLER)				1		1	1					1
*	5126057	ELBOW (FRONT COOLER)				1		1	1					1
#	5124927 @	ELBOW (4.4220)					1							
5C,D	5124466	ELBOW								1	1			
5C,D	6122422	ELBOW										1		
	5125595	TUBE			1									
	5127646	TUBE (PUMP TO FRONT COOLER)				1			1					1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 374	375	381	382	383	386	387	395	397	398	399	406
		4.4211 - CONNECTION, OIL COOLER WATER INLET (CONT'D)												
*	5130081	TUBE (39.84" DEV. L.)						1						
*	5130082	TUBE (20.10" DEV. L.)						1						
	103647	DRAINCOCK, 1/4" (12.9510)				1		1	1					1
	118536	DRAINCOCK, 3/8" (12.9510)						1						
	5130083	& BRACKET (SHORT)						2						
	5130085	BRACKET (LONG)						1						
	5136693	BRACKET							1					1
	5130084	& CLAMP						6						
	5115214	PLUG, 1/4" (12.9550)		2			1			1	1			
	181333	BOLT, 5/16"-24X5/8" (12.9001)						6						
	180120	BOLT, 3/8"-16X3/4" (12.9001)						1						
	180121	BOLT, 3/8"-16X7/8" (12.9001)							4					4
	179839	BOLT, 3/8"-16X1" (12.9001)				6		6	6					6
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		3			3			4	4	4		
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)				2		2	2					2
	103320	LOCKWASHER, 5/16" (12.9200)						AR						
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR	AR	AR	AR	AR	AR	AR		AR
	114493	NUT, 5/16"-24 HEX. (12.9120)						6						
		* FIG. 13D OF 1.0000.												
		# FIG. 13C OF 5.0000.												
		@ NOT SERVICED; USE 5127199 PLUS (2) 5145012 PLUGS.												
		& OBSOLETE.												
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION												
5D	5117476	GASKET		1		2	1	2	2	1	1	1		2
5D	5117317	GASKET												
		4.4213 - HOSE, OIL COOLER WATER INLET												
5C,D	5140553	* HOSE (2 3/8"I.D.X2 3/4") TO WATER PUMP) (5199780)		1	2		1			1	1			
5C,D	5136037	HOSE (2 1/2"X3.25")				1		1	1					1
5C,D	5147744	HOSE (2 7/8"I.D.X2 1/4") (TO WATER PUMP)										1		
5C,D	5127658	@ HOSE (3 1/2"I.D.X3 1/4") (TO WATER PUMP)										1		
5C,D	5108390	HOSE (3 1/2"I.D.X4 1/2")				2		3						
5C,D	5136038	HOSE (3 1/2"I.D.X4.50"L.)							2				1	2
		* NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES CUT TO DESIRED LENGTH.												
		@ NOT SERVICED, REPLACE WITH 5136038 HOSE AND INCLUDE 2-5136306												

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 374	375	381	382	383	386	387	395	397	398	399	406
		4.4213 - HOSE, OIL COOLER WATER INLET (CONT'D)												
		HOSE CLAMPS.												
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE												
5C,D	9139809	CLAMP, 2 1/16"-3" RANGE (12.9660)		2	4	4	2	4	4	2	2			
5C,D	5188036	CLAMP, 3" (12.9660)										2		
5C,D	9139813	CLAMP, 3 1/2" (3.5400)				8		12						
5D	5108560	CLAMP, 3 5/8" (12.9660)						2						2
5D	5136306	CLAMP, 3 7/8" (12.9660)							4				4	2
		4.4220 - ELBOW, OIL COOLER WATER (OUTLET-INLET)												
5C	5129835	ELBOW (OUTLET) (FRONT COOLER)				1		1	1					1
5C	5129834	ELBOW (OUTLET) (REAR COOLER)				1		1	1	1	1	1		1
	5142549	PLUG, 3/4" PIPE (12.9550)				1		1	1		1	2		1
5C	179839	BOLT, 3/8"-16X1" (12.9001)				4		4	4	4	4			4
5C	5152148	WASHER, 3/8" FLAT (COPPER) (2.4050)								2		2		
5C	103321	LOCKWASHER, 3/8" (12.9200)				8		8	8	2	2	2		8
5C	103026	NUT, 3/8"-24 HEX. (12.9120)				4		4	4					4
5C	117049	NUT, 3/8"-24 HEX. (12.9120)								2	2			
		4.4230 - GASKET, OIL COOLER WATER ELBOW												
5C,D	5117254	GASKET				1		1	1	1	1	1		1
5C,D	5117734	GASKET				1		1	1					1
		4.4240 - HOSE, OIL COOLER WATER OUTLET												
5C,D	5144078	SEAL (3 1/2"I.D.X5/8"W.)												
5C	5127658	* HOSE (3 1/2"I.D.X3 1/4"W.)				2		2	2	1	1	1	1	2
		* NOT SERVICED; REPLACE WITH 5136038 HOSE AND INCLUDE 2-5136306 CLAMPS.												
		4.4242 - FLANGE, OIL COOLER WATER OUTLET												
5D	5125598	FLANGE (4.4320)		1	1		1							
5D	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2	2		2							
5D	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR		AR							
	117049	NUT, 3/8"-16 HEX. (12.9120)		2	2		2							

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 374	375	381	382	383	386	387	395	397	398	399	406
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE												
5A	**5125599**	SEAL RING (4.4325)		1	1		1							
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE												
5C	**5143999**	CLAMP, 4" HOSE (3.5420)				2		2	2	1	1	1	4	2
		4.4330 - HOSE, MARINE GEAR OIL OUTLET												
	5125788	* HOSE, FLEX. (23 1/2"L.) (GEAR TO PUMP)	1											
	5177502	@ HOSE, FLEX. (28 1/2"L.) (GEAR TO PUMP)	1											
	5126739	* HOSE, FLEX. (23 1/2"L.) (PUMP TO FILTER)	1											
	5136035	@ HOSE, FLEX. (24"L.) (PUMP TO FILTER)	1											
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)	1											
	9402801	ELBOW, 5/8"-45 DEG. (12.9600)	1											
	108687	ELBOW, 1"-90 DEG. STREET (12.9590)	1										2	
	144116	ELBOW, 1"-45 DEG. STREET (12.9590)	1											
	144034	BUSHING, 3/4"X1/2" REDUCING (12.9570)	1											
	5183079	ADAPTOR (9.1720)	1										2	
		* THRU 6VA-50621, 8VA-81196.												
		@ EFFECTIVE WITH 6VA-50622, 8VA-81197.												
		4.4335 - HOSE, MARINE GEAR OIL INLET												
	5188697	HOSE, FLEX. (50"L.) (FILTER TO COOLER) (8.3800)	1											
	5110516	HOSE, FLEX. (50"L.) (COOLER TO SELECTOR VALVE) (8.3800)	1											
	9402801	ELBOW, 5/8"-45 DEG. (12.9600)	1											
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)	1											
	108687	ELBOW, 1"-90 DEG. STREET (12.9590)											1	
	5183079	ADAPTOR (9.1720)											1	
	144034	BUSHING, 3/4"X1/2" REDUCING (12.9570)	1											
		4.4345 - CLIP, MARINE GEAR OIL LINES												
	5151189	CLIP (4.8040)	4											
	5184291	CLIP, 1 1/4" (8.3820)	1										2	
	5181325	BRACKET	1											

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 374	375	381	382	383	386	387	395	397	398	399	406
		4.4345 - CLIP, MARINE GEAR OIL LINES (CONT'D)												
	179812	BOLT, 5/16"-18X1/2" (12.9001)	1											
	100014	BOLT, 5/16"-24X1" (12.9001)	1											
	120393	WASHER, 5/16" FLAT (12.9190)	1											
	103320	LOCKWASHER, 5/16" (12.9200)	1											
	114493	NUT, 5/16"-24 JAM HEX. (12.9120)	1											

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 410	411	422	423	424	425	429	430	434	435	440
		4.4001 - CORE, OIL COOLER											
5A	8514600	CORE ASSY. (12 PLATE)			1						1		
5A	8528885	CORE ASSY. (16 PLATE)				1	1	1	1	1			2
5C	8539503	CORE ASSY. (24 PLATE)	2	2									
		4.4030 - GASKET, OIL COOLER CORE INNER											
5A	5150155	GASKET			1	1	1	1	1	1	1		2
5C	5117280	GASKET (HOUSING TO ADAPTOR)	1	1									2
5C	5117404	GASKET (4.4115)	3	3									2
		4.4040 - GASKET, OIL COOLER CORE OUTER											
5A	5102506	GASKET			1	1	1	1	1	1	1		2
5C	5187312	GASKET (4.2350)											2
5C	5175846	GASKET (COVER TO CORE)	1	1									
5C	5117785	GASKET (COVER TO CORE)	1	1									
		4.4050 - HOUSING, OIL COOLER											
5B	5117824 *	HOUSING				1		1	1				2
5C	5126628	HOUSING (FRONT AND REAR)			1								
5B	5131279	HOUSING											
5C	5122716	HOUSING	1	1									
5A	5129421	HOUSING					1						
5C	5133402	HOUSING								1			
	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	1	1	1	1			
5C	5121182	PLUG, 1/4" PIPE (12.9550)				1		1	1				
5C	5142549	PLUG, 3/4" PIPE (12.9550)	2	2									
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)			8								
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)				8	8	8	8	8			
	103320	LOCKWASHER, 5/16" (12.9200)			8	8	8	8	8	8			
		* NOT SERVICED; USE 5129421. WHEN REPLACING 5117824 BY 5129421 FOR THE 6V-71, INCLUDE 1-8528885 16 PLATE ELEMENT.											
		4.4060 - COVER, OIL COOLER HOUSING											
10B	5167775	COVER (MARINE GEAR)									1		
5C	5101742	COVER (FRONT)	1	1									
5C	5144151	COVER (REAR)	1	1									
5C	5131176	COVER (FRONT)											1
5C	5130998	COVER (REAR)											1
	5130997	GASKET											2
	5111798	PLUG, 1" PIPE (12.9550)	2	2									

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4100	4111	4222	4223	4224	4225	4229	4330	4334	4335	4400
		4.4060 - COVER, OIL COOLER HOUSING (CONT'D)											
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)	1	1									
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)									8		
	186274	BOLT, 5/16"-18X5" (12.9001)	23	23									
	148372	BOLT, 5/16"-18X5 1/8" (12.9001)											16
	272545	BOLT, 3/8"-18X5 1/4" (12.9001)	11	11									
	215386	BOLT, 5/16"-18X6" (12.9001)											5
	446202	WASHER, 5/16" FLAT (COPPER) (12.9190)											3
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR							AR		AR
		4.4110 - ADAPTOR ASSY., OIL COOLER											
5A	5123882	ADAPTOR (MARINE GEAR)									1		
5A	5133197 *	ADAPTOR			1	1	1	1	1	1			1
5C	5126259	ADAPTOR (FRONT)											1
5C	5126257	ADAPTOR (REAR)	1	1									
5C	5126258	ADAPTOR (FRONT)	1	1									
5C	5124636	ADAPTOR (REAR)	1	1							2		
5C	186624	BOLT, 5/16"-18X1 1/4" (12.9001)			1	1	1	1	1	1			
5A	180083	BOLT, 5/16"-18X1 1/2" (12.9001)				2	2	2	2	2			10
5A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1	1	1	1	1	1			2
5A,C	454906	BOLT, 3/8"-16X1 1/2" (12.9001)											
5C	138244	BOLT, 3/8"-16X1 1/2" SKT. HD. (12.9027)	1	1									
5C	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	5	5									
5A	179846	BOLT, 3/8"-16X1 7/8" (12.9001)			4	5	5	5	5	5			
	5152148	WASHER, 3/8"X9/16" (2.4060)	4	4	1	1	1	1	1	1			
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR									
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR	AR	AR	AR			AR
		* NOT SERVICED, USE 5102264 PLUS (1) 5102265, (1) 5102271 (2) 186618 AND (2) 103320.											
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK											
	5159430	GASKET (4.4180)									1		
5A,C	5117535	GASKET (4.4117)	2	2	2	2	2	2	2	2			4
5A,C	5126280	SPACER (8.20"L.)	2	2	2	2	2	2	2	2			2
		4.4116 - COVER, OIL COOLER ADAPTOR											
5C	5130374	COVER (PLATE)	1	1									
5C	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2									
5C	103320	LOCKWASHER, 5/16" (12.9200)	2	2									

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 410	411	422	423	424	425	429	430	434	435	440
		4.4117 - GASKET, OIL COOLER ADAPTOR COVER											
5C	5117711	GASKET	1	1									
		4.4140 - VALVE, OIL COOLER BY-PASS											
5A,C	5177777	VALVE	1	1	1	1	1	1	1	1			2
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE											
5A,C	5177778	SPRING	1	1	1	1	1	1	1	1			2
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE											
5A,C	5177772	PLUG	1	1	1	1	1	1	1	1			
5C	5127797	PLUG (18 MM. X 15 MM.)											2
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG											
5A,C	5177773	GASKET	1	1	1	1	1	1	1	1			2
		4.4211 - CONNECTION, OIL COOLER WATER INLET											
5C,D	5127199	ELBOW						1					
*	5127462	ELBOW (REAR COOLER)											1
*	5126057	ELBOW (FRONT COOLER)											1
#	5124927	@ ELBOW (4.4220)			1	1	1						
5C,D	5124466	ELBOW	1	1									
5C,D	5140360	ELBOW							1				
5C,D	5133368	ELBOW								1			
*	5127646	TUBE (PUMP TO FRONT COOLER)											1
	103647	DRAINCOCK, 1/4" (12.9510)											1
	5136693	BRACKET											1
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1	1	2	1	3	1				
	5115214	PLUG, 1/2" PIPE (12.9550)							1				
	180121	BOLT, 3/8"-16X7/8" (12.9001)											4
	179839	BOLT, 3/8"-16X1" (12.9001)											6
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	4	3	3	3	3	3	3			
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)											2
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR			AR

* FIG. 13D OF 1.0000.
\# FIG. 10C OF 5.0000.
@ NOT SERVICED; USE 5127199 PLUS (2) 5145012 PLUGS.

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 410	411	422	423	424	425	429	430	434	435	440
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION											
5D	5117476	GASKET			1	1	1	1	1	1			
5D	5117317	GASKET	1	1									2
		4.4213 - HOSE, OIL COOLER WATER INLET											
5C,D	5108615 *	HOSE (2 3/8"I.D.X1.62") (5199780)								1			
5C,D	5140553 *	HOSE (2 3/8"I.D.X2 3/4") TO WATER PUMP) (5199780)	1	1	1	1	1	1	1				
5C,D	5136037	HOSE (2 1/2"X3.25")											1
5C,D	5136038	HOSE (3 1/2"I.D.X4 1/2")											2
		* NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES CUT TO DESIRED LENGTH.											
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE											
5C,D	9139809	CLAMP, 2 1/16"-3" RANGE (12.9660)	2	2	2	2	2	2	2	2			
5D	5108560	CLAMP, 3 5/8" (12.9660)											2
5D	5136306	CLAMP, 3 7/8" (12.9660)											6
		4.4220 - ELBOW, OIL COOLER WATER (OUTLET-INLET)											
5C	5129835	ELBOW (OUTLET) (FRONT COOLER)											1
5C	5129834	ELBOW (OUTLET) (REAR COOLER)	1	1						1			1
	5142549	PLUG, 3/4" PIPE (12.9550)								1			1
5C	179839	BOLT, 3/8"-16X1" (12.9001)	4	4						4			4
5C	103321	LOCKWASHER, 3/8" (12.9200)	2	2						2			8
5C	103026	NUT, 3/8"-24 HEX. (12.9120)											4
5C	117049	NUT, 3/8"-24 HEX. (12.9120)	2	2						2			
		4.4230 - GASKET, OIL COOLER WATER ELBOW											
5C,D	5117254	GASKET	1	1						1			1
5C,D	5117734	GASKET											1
		4.4240 - HOSE, OIL COOLER WATER OUTLET											
5C,D	5144078	SEAL (3 1/2"I.D.X5/8"W.)	1	1						1			2
		4.4242 - FLANGE, OIL COOLER WATER OUTLET											
5D	5125598	FLANGE (4.4320)			1	1	1	1	1				
5D	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			2	2	2	2	2				
5D	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR	AR	AR				

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 410	411	422	423	424	425	429	430	434	435	440
		4.4242 - FLANGE, OIL COOLER WATER OUTLET (CONT'D)											
	117049	NUT, 3/8"-16 HEX. (12.9120)			2	2	2	2	2				
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE											
5A	**5125599**	SEAL RING (4.4325)			1	1	1	1	1				
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE											
5C,D	**5143999**	CLAMP, 4" HOSE (3.5420)	1	1					1				2
		4.4330 - HOSE, MARINE GEAR OIL OUTLET											
	5125788	* HOSE, FLEX. (23 1/2"L.) (GEAR TO PUMP)									1		
	5177502	@ HOSE, FLEX. (28 1/2"L.) (GEAR TO PUMP)									1		
	5126739	* HOSE, FLEX. (23 1/2"L.) (PUMP TO FILTER)									1		
	5136035	@ HOSE, FLEX. (24"L.) (PUMP TO FILTER)									1		
	5184082	HOSE, FLEX. (53 1/2"L.) (SUMP TO STRAINER)										1	
	5108459	HOSE, FLEX. (75"L.) (SUMP TO STRAINER) (PUMP TO COOLER)										2	
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)									3		
	108687	ELBOW, 1"-90 DEG. STREET (12.9590)									1	2	
	144116	ELBOW, 1"-45 DEG. STREET (12.9590)									1		
	144034	BUSHING, 3/4"X1/2" REDUCING (12.9570)									1		
	5183079	ADAPTOR (9.1720)									1	1	
		* THRU 6VA-50621, 8VA-81196.											
		@ EFFECTIVE WITH 6VA-50622, 8VA-81197.											
		4.4335 - HOSE, MARINE GEAR OIL INLET											
	5126694	HOSE, FLEX. (15"L.) (JUNCTION BLOCK TO SELECTOR VALVE) (REAR ENGINE)(12.4070)										1	
	5130692	HOSE, FLEX. (27"L.) (JUNCTION BLOCK TO SELECTOR VALVE) (FRONT ENGINE)										1	
	5110516	HOSE, FLEX. (50"L.) (COOLER TO SELECTOR VALVE) (8.3800)									1		

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 410	411	422	423	424	425	429	430	434	435	440
		4.4335 - HOSE, MARINE GEAR OIL INLET (CONT'D)											
	5184084	* HOSE, FLEX. (61 1/2"L.) (COOLER TO JUNCTION BLOCK)										1	
	5123088	HOSE, FLEX. (72"L.) (FILTER TO COOLER) (8.3800)									1		
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)										2	
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)										1	
	108687	ELBOW, 1"-90 DEG. STREET (12.9590)										1	
	5183079	ADAPTOR (9.1720)										1	
	120062	BUSHING, 1"X1/2" RED. (12.9570)										2	
	128003	BUSHING, 1"X3/4" RED. (12.9570)										2	
	144148	CROSS, 1" PIPE (12.9618)										1	
	141504	NIPPLE, 1/2"X1 1/2" CLOSE (12.9560)										1	
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)										1	
		* NOT SERVICED; USE 5115752 AND INCLUDE (1) 5183079.											
		4.4345 - CLIP, MARINE GEAR OIL LINES											
	5151189	CLIP (4.8040)									4		
	5177001	CLIP, 7/8" (8.3801)										1	
	5183472	CLIP, 1 1/4" (9.1720)										3	
	5181325	BRACKET									1		
	5187818	BRACKET, CLIP (4.8042)										1	
	179812	BOLT, 5/16"-18X1/2" (12.9001)									1		
	181596	BOLT, 5/16"-24X7/8" (12.9001)										1	
	100014	BOLT, 5/16"-24X1" (12.9001)									1		
	120393	WASHER, 5/16" FLAT (12.9190)									1	1	
	103342	WASHER, 7/16" FLAT (12.9190)										1	
	103320	LOCKWASHER, 5/16" (12.9200)									1	1	
	114493	NUT, 5/16"-24 JAM HEX. (12.9120)									1	1	

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 442	445	446	450	452	454	458	465	470	473	476	479
		4.4001 - CORE, OIL COOLER												
	5149054	CORE ASSY. (TUBE TYPE) (TORQUE CONVERTER AND ENGINE)	1	1										
5E	**5149056**	CORE ASSY. (TUBE TYPE) (TORQMATIC BRAKE AND ENGINE)			1		1							
5E	**5149055**	CORE ASSY. (TUBE TYPE) (TORQMATIC BRAKE ONLY)			1		1							
5C	**8539503**	CORE ASSY. (TWIN 12 PLATES)				2				2		1		1
	8534138	CORE ASSY. (TWIN 64 PLATES)				1								
5A	**8514600**	CORE ASSY. (12 PLATE)						1	1					
	8534711	CORE ASSY. (12 PLATE) (REAR)								1				1
5A	**8528885**	CORE ASSY. (16 PLATE)									1		1	
5D	**5149052**	TUBE, BUNDLE	1	1										
5D	**5149053**	TUBE, BUNDLE	1	1										
5D	**5149059**	TUBE, BUNDLE			1		1							
5D	**5149057**	TUBE, BUNDLE			2		2							
5D	**5149058**	TUBE, BUNDLE			1		1							
5D	**5108071**	RING, "O"	2	2	4		4							
	179851	BOLT, 3/8"-16X3" (12.9001)	20	20										
	186317	BOLT, 3/8"-24X5" (12.9001)			12		12							
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR							
	117049	NUT, 3/8"-24 HEX. (12.9120)			12		12							
		4.4003 - SHELL ASSY., OIL COOLER TUBE TYPE												
5D	**5149077**	SHELL ASSY.	1	1										
5D	**5149078**	SHELL ASSY.			1		1							
5D	**5149079**	SHELL ASSY.			1		1							
		4.4030 - GASKET, OIL COOLER CORE INNER												
5D	**5124806**	GASKET (CORE TO CORE) (4.4060)	1	1	1		1							
	5117280	GASKET				2								
	5134157	GASKET (TORQUE CONVERTER HOUSING)				1								
	5187312	GASKET (HOUSING TO CORE) (4.2350)				2								
5A	**5150155**	GASKET						1	1		1		1	
5C,D	**5117404**	GASKET (CORE TO HOUSING) (4.4115)										1		3
		4.4040 - GASKET, OIL COOLER CORE OUTER												
5D	**5126618**	GASKET (COVER TO CORE) (4.4060)	1	1	1		1							
	5133585	GASKET (TORQUE CONVERTER HOUSING)				1								
5A	**5102506**	GASKET						1	1		1		1	
	5124494	GASKET								1				
5C	**5117280**	GASKET (HOUSING TO ADAPTOR) (4.4030)										1		1
5C	**5177815**	GASKET										1		
	5124085	GASKET (COVER)												1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 442	445	446	450	452	454	458	465	470	473	476	479
		4.4050 - HOUSING, OIL COOLER												
5B,C	5126628	HOUSING				2								
5B,C	5134155	HOUSING (TORQUE CONVERTER)				1								
5B,C	5131279	HOUSING						1	1					
5B,C	5116863	HOUSING								1				1
5B,C	5129741	HOUSING (MARINE GEAR)									1		1	
5B,C	5126628	HOUSING										1		
	103647	DRAINCOCK, 1/4" (12.9510)				2		1	1	1				1
	5142549	PLUG, 3/4" PIPE (12.9550)								2				2
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)						8	8					
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)				1					3		3	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)				3								
	103320	LOCKWASHER, 5/16" (12.9200)						AR	AR					
	103321	LOCKWASHER, 3/8" (12.9200)				AR					AR		AR	
		4.4060 - COVER, OIL COOLER HOUSING												
5D	5101270	COVER (FRONT)	1	1	1		1							
5D	5101188	COVER (REAR)	1	1	1	1	1							
	5136839	COVER								1				
	5127452	COVER								1				
	5123283	COVER (FRONT)								1				
	5128194	# COVER (SD-6 DRAWING)												
5C	5101742	COVER (FRONT)								1	1		1	
	5117553	COVER (FRONT)										1		
	103647	DRAINCOCK, 1/4" (12.9510)												1
	5121182	PLUG, 1/4" SKT. HD. (12.9550)	1	1	1		1							
	5111798	PLUG, 1" PIPE (12.9550)	AR	AR	AR		AR							
	186629	BOLT, 5/16"-18X1" (12.9001)	AR	AR	AR		AR							
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)												1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)									8		8	
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)								1				
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)				12								
	186274	BOLT, 5/16"-18X5" (12.9001)												11
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)								24				9
	455971	* BOLT, 5/16"-18X5 1/2" (12.9001)										12		
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)								3				3
	179851	BOLT, 3/8"-16X3" (12.9001)	4	4	4		4							
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)			24		20							
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)				4								
	446202	WASHER, 5/16" COPPER (12.9190)				4								
	103320	LOCKWASHER, 5/16" (12.9200)								AR				AR
	103321	LOCKWASHER, 3/8" (12.9200)			AR						AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR			AR				
	117049	NUT, 3/8"-24 HEX. (12.9120)				AR								
						10								

OBSOLETE.

* NOT REQUIRED FOR REMOTE MTD. OIL FILTER

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 442	445	446	450	452	454	458	465	470	473	476	479
		4.4062 - BRACKET, OIL COOLER COVER												
5F	**5136568**	PLATE (REAR SUPPORT)			1		1							
5F	**5137138**	PLATE (REAR SUPPORT) (4.4140)			1		1							
5F	**5127000**	PLATE (UPPER)			1		1							
5F	**5127001**	PLATE (LOWER)			1		1							
5F	**5129230**	SHIM (.062) (3 HOLE)			AR		AR							
5F	**5129231**	SHIM (.062) (5 HOLE)			AR		AR							
5F	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)			6		6							
5F	**179844**	BOLT, 3/8"-16X1 5/8" (12.9001)			3		3							
5F	**181374**	BOLT, 3/8"-24X1 1/2" (12.9001)			5		5							
5F	**271557**	BOLT, 5/8"-11X1 3/8" (12.9001)			3		3							
5F	**103321**	LOCKWASHER, 3/8" (12.9200)			AR		AR							
5F	**103334**	LOCKWASHER, 5/8" (12.9200)			AR		AR							
5F	**117049**	NUT, 3/8"-24 HEX. (12.9120)			5		5							
		4.4064 - GASKET, OIL COOLER COVER BRACKET												
	5136701	GASKET (OIL COOLER COVER)			2		2							
	5124806	GASKET (TO FLYWHEEL HOUSING)			1									
	5117785	GASKET (OIL COOLER COVER)								1				
		4.4100 - BRACKET, OIL COOLER HOUSING SUPPORT												
	5124799	BRACKET (REAR)	1	1										
	179839	BOLT, 3/8"-16X1" (12.9001)	8	8										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR										
		4.4110 - ADAPTOR ASSY., OIL COOLER												
5C	**5126259**	ADAPTOR (FRONT)				1								
5C	**5126257**	ADAPTOR (REAR)				1								1
5A	**5133197**	* ADAPTOR						1	1					
5C	**5122850**	ADAPTOR										1		
5C	**5117057**	ADAPTOR (REAR)												1
5C	**186624**	BOLT, 5/16"-18X1 1/4" (12.9001)								1				1
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)												1
5C	**5101377**	BOLT, 3/8"-16X1" HEX. W/SEAL SPL. (12.9001)										4		4
5A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)						1	1					
5C	**138243**	BOLT, 3/8"-16X1 1/4" (12.9001)										4		
5C	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)										2		
5C	**138244**	BOLT, 3/8"-16X1 1/2" (12.9027)				2				1				1
5A,C	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)				10		2	2	3				3
5C	**179844**	BOLT, 3/8"-16X1 5/8" (12.9001)								5				5
5A	**179846**	BOLT, 3/8"-16X1 7/8" (12.9001)						4	4					
	5152148	WASHER, 3/8" FLAT (12.9190)						1	1	AR				AR
	103320	LOCKWASHER, 5/16" (12.9200)								AR				AR
5C	**103321**	LOCKWASHER, 3/8" (12.9200)				AR		AR	AR	AR		AR		AR

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 442	445	446	450	452	454	458	465	470	473	476	479
		4.4110 - ADAPTOR ASSY., OIL COOLER (CONT'D)												
		* NOT SERVICED, FOR SERVICE USE (1) ONE EACH OF 5102265 ADAPTOR, 5102264 PLATE, 5102271 GASKET AND (2) TWO 186618 BOLT AND 103320 LOCKWASHER.												
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
5A,C,E	**5117535**	GASKET (4.4117)	2	2	2	4	2	2	2	2		2		2
	5117404	GASKET				2				3				
5A,C	**5126280**	SPACER (8.20"L.)				2		2	2	3		1		3
	8920763	SPACER, .385"X1.00"X.013 THK										2		
		4.4116 - COVER, OIL COOLER ADAPTOR												
5C	**5122851**	COVER (PLATE)										1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)										3		
5C	**103320**	LOCKWASHER, 5/16" (12.9200)										3		
		4.4117 - GASKET, OIL COOLER ADAPTOR COVER												
5C	**5122852**	GASKET										1		
		4.4130 - HOUSING, OIL COOLER BY-PASS VALVE												
	5133978	HOUSING (4.4120)	1	1	1		1							
		4.4140 - VALVE, OIL COOLER BY-PASS												
	5133431	VALVE (4.2485)	1	1	1		1							
5A,C,D	**5177777**	VALVE				2		1	1	1		1		1
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE												
	5134477	SPRING (4.2486)	1	1	1		1							
5A,C	**5177778**	SPRING (4.1260)				2		1	1	1		1		1
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE												
	5127797	PLUG, SPECIAL (18 MM)				2								1
5A,C	**5177772**	PLUG						1	1	1		1		
	5134456	RETAINER (4.2488)	1	1	1		1							

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 442	445	446	450	452	454	458	465	470	473	476	479
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE (CONT'D)												
	160221	SCREW, #12-24X1/2" (12.9065)	1	1	1		1							
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG												
5A,C	5177773	GASKET				2		1	1	1		1		1
		4.4176 - TUBE, OIL COOLER BY-PASS												
5D	5134052	TUBE (8.30"L.)	1	1	1		1							
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE												
5D	5124859	FLANGE	2	2	2		2							
5D	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	2	2										
5D	192883	BOLT, 3/8"-16X5 1/4" (12.9001)	2	2	2		2							
5D	186658	BOLT, 3/8"-24X5 1/2" (12.9001)			2		2							
5D	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4		4							
5D	117049	NUT, 3/8"-24 HEX. (12.9120)			2		2							
		4.4178 - GASKET, OIL COOLER BY-PASS TUBE FLANGE												
5D	5124798	GASKET (FLANGE) (4.4184)	2	3	3		3							
5D	5193598	SEAL RING (5.6176)	2	2	2		2							
		4.4182 - COVER, COOLER BY-PASS HOLE												
5D	5133837	COVER		2	2	2		2						
5D	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	4	4	2		2							
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR							
		4.4184 - GASKET, COOLER BY-PASS HOLE COVER												
5D	5124798	GASKET	1	1	1		1							
		4.4211 - CONNECTION, OIL COOLER WATER INLET												
#	5124821	ELBOW	1				1							
5E	5127904	ELBOW		1	1									
5E	5133655	ELBOW				1								

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4442	4445	4446	4450	4452	4454	4458	4465	4470	4473	4476	4479
		4.4211 - CONNECTION, OIL COOLER WATER INLET (CONT'D)												
	5127462	ELBOW (REAR)				1								
	5134738	ELBOW				1								
5C	5140360	ELBOW						1						
	5127199	ELBOW							1					
	5122422	ELBOW								1				1
	5135816	ELBOW										1		
	5135817	TUBE (DEV. L. 18.40")										1		
	5121182	PLUG, 1/4" PIPE (12.9550)										1		
	5115214	PLUG, 1/2" PIPE (12.9550)						1	1					
	179839	BOLT, 3/8"-16X1" (12.9001)				6								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	4	4		4	4	4	4				4
	179851	BOLT, 3/8"-16X3" (12.9001)										2		
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)										2		
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)				2								
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR		AR		AR
	117049	NUT, 3/8"-24 HEX. (12.9120) # FIG. 10C OF 5.0000.				4								
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION												
5E	5124822	GASKET	1	1	1		1							
	5133879	* GASKET				1								
5C	5117317	GASKET				2				1		1		1
	5117476	GASKET						1	1					
		* OBSOLETE.												
		4.4213 - HOSE, OIL COOLER WATER INLET												
5C,E	5140553	* HOSE, 2 3/8"I.D.X2 3/4"L. (TO WATER PUMP) (5.3365) (5199780)		1	1			1	1					
	5136037	HOSE, 2 1/2"I.D.X3.25"L.				1								
5C,E	5147744	HOSE, 2 7/8"I.D.X4 1/2"L. (TO WATER PUMP)	1				1			1		2		1
	5138842	* HOSE, 3 1/2"I.D.X3.25"L. (5136038)				1					2		2	
	5136038	HOSE, 3 1/2"I.D.X4.50"L.				1								
		* NOT SERVICED. USE PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE												
5C,E	9139809	CLAMP, 2 1/16"-3" RANGE (12.9660)		2		4		2	2					1
5C,E	5188036	CLAMP, 2 9/16"-3 1/2" (12.9660)	2		2		2			2		4		2
	5136306	CLAMP, 3 7/8"-4 3/4" (12.9660)				4					4		4	
5C,E	9139813	CLAMP, 4" HOSE (3.5400)			1					1				

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 442	445	446	450	452	454	458	465	470	473	476	479
		4.4220 - ELBOW, OIL COOLER WATER OUTLET-INLET												
	5129835	ELBOW (OUTLET)				1								
	5129834	ELBOW (OUTLET)				1				1		1		1
	5142649	PLUG, 3/4"-14 SOC. HD. (12.9550)				2				1		1		1
	179839	BOLT, 3/8"-16X1" (12.9001)				4				4		4		2
	5152148	WASHER, 3/8" FLAT (COPPER) (2.4050)										2		
	103321	LOCKWASHER, 3/8" (12.9200)				8				2		2		4
	103026	NUT, 3/8"-24 HEX. (12.9120)				4								
		4.4230 - GASKET, OIL COOLER WATER ELBOW												
5C,E	5117254	GASKET										1		1
		4.4240 - HOSE, OIL COOLER WATER OUTLET												
5C	5102098	SEAL (3 1/2"O.D.X5/8"W.)	1	1	1	2	1			1		1		1
		4.4242 - FLANGE, OIL COOLER WATER OUTLET												
5E	5124884	FLANGE (4.4320)	1	1	1		1							
	5125598 #	FLANGE (4.4320)						1	1					
5E	179839	BOLT, 3/8"-16X1" (12.9001)	4	4	4		4							
5E	186679	BOLT, 3/8"-16X1 1/4" (12.9001)					2		2					
5E	5152148	WASHER, 3/8" FLAT COPPER (2.4050)	AR		AR		AR			AR				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR	AR	AR					
	117049	NUT, 3/8"-24 HEX. (12.9120)						2	2					
	122236	NUT, 3/8"-24 HEX. CAD. (12.9120)		2										
		# EFFECTIVE WITH 6VA-398, 8VA-306.												
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE												
	5117254	GASKET (4.4230)	1	1	1	1	1			1				
	5117734	GASKET (1.1070)				1								
	5125599 #	SEAL RING (4.4325)						1	1					
		# EFFECTIVE WITH 6VA-398, 8VA-306.												
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE												
5C,E	5143999	CLAMP, 3 1/2" HOSE (12.9660)	1	1	1	2	1					1		1
		4.4328 - BLOCK, OIL COOLER OIL JUNCTION												
	5124818	BLOCK, JUNCTION (REMOTE MOUNTED FILTER)	1	1										
5F	5136701	GASKET	2	2										

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4422	4445	4446	4450	4452	4454	4458	4465	4470	4473	4476	4479
		4.4328 - BLOCK, OIL COOLER OIL JUNCTION (CONT'D)												
	179839	BOLT, 3/8"-16X1" (12.9001)	6	6										2
	103321	LOCKWASHER, 3/8" (12.9200)	6	6										4
	117049	NUT, 3/8"-16 (12.9120)												2
		4.4330 - HOSE, MARINE GEAR OIL OUTLET												
	5138231	HOSE, FLEX. (97"L.) (PUMP TO COOLER)									1			
	5199722	+ HOSE, FLEX. (117"L.) (PUMP TO COOLER)											1	
	5125906	CONNECTOR									2		1	
	5199729	FITTINGS											2	
		+ INCLUDE SD-29.												
		4.4335 - HOSE, MARINE GEAR OIL INLET												
	5138232	HOSE, FLEX. (94"L.) (FILTER TO COOLER) (4.4330)									1		1	
	5125906	CONNECTOR (4.4330)									2		1	
		4.4345 - CLIP, MARINE GEAR OIL LINES												
	5181415	CLIP, 1 1/8" (5.5390)									5		6	
	5160115	COLLAR, 5/16"I.D. (2.9643)									1		1	
	5173144	SPACER, 13/32"X3/4"X1 13/16" (4.8040)									1		1	
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)									1		1	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)									1		1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)									1		1	
	120393	WASHER, 5/16" FLAT (12.9190)									1		1	
	103321	LOCKWASHER, 3/8" (12.9200)									2		2	

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 480	482	486	487	488	493	497	499	500	501	504
		4.4001 - CORE, OIL COOLER											
	5149054	CORE ASSY. (TUBE TYPE) (TORQUE CONVERTER AND ENGINE)				1			1		1		
5E	**5149056**	CORE ASSY. (TUBE TYPE) (TORQMATIC BRAKE AND ENGINE)	1		1		1						
5E	**5149055**	CORE ASSY. (TUBE TYPE) (TORQMATIC BRAKE ONLY)	1		1		1						
5C	**8539503**	CORE ASSY. (TWIN 12 PLATES)						1		2			
5A	**8541903**	CORE ASSY. (16 PLATE)										1	
	8530017	CORE ASSY. (24 PLATE)		2									
	8538954	CORE ASSY. (16 PLATE) (REVERSE GEAR)											1
5D	**5149052**	TUBE, BUNDLE				1			1		1		
5D	**5149053**	TUBE, BUNDLE				1			1		1		
5D	**5149059**	TUBE, BUNDLE	1		1		1						
5D	**5149057**	TUBE, BUNDLE	2		2		2						
5D	**5149058**	TUBE, BUNDLE	1		1		1						
5D	**5108071**	RING, "O"	4		4	2	4		2		2		
	179816	BOLT, 5/16"-18X3/4" (12.9001)											8
	179851	BOLT, 3/8"-16X3" (12.9001)				20			20		20		
	186317	BOLT, 3/8"-24X5" (12.9001)	12		12		12						
	103320	LOCKWASHER, 5/16" (12.9200)											AR
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR		AR		AR		
	117049	NUT, 3/8"-24 HEX. (12.9120)	12		12		12						
		4.4003 - SHELL ASSY., OIL COOLER TUBE TYPE											
5D	**5149077**	SHELL ASSY.				1			1		1		
5D	**5149078**	SHELL ASSY.	1		1		1						
5D	**5149079**	SHELL ASSY.	1		1		1						
		4.4030 - GASKET, OIL COOLER CORE INNER											
5B,C	**5124806**	GASKET (CORE TO CORE) (4.4060)				1			1		1		
5B,C	**5150155**	GASKET										1	
5B,C	**5117404**	GASKET (CORE TO HOUSING) (4.4115)		2				1		1			
5B,C	**5124806**	GASKET (4.4060)	2		2		2						
5B,C	**5117535**	GASKET (4.4117)							2		2		
		4.4040 - GASKET, OIL COOLER CORE OUTER											
5B,C	**5126618**	GASKET (COVER TO CORE) (4.4060)	1		1	1	1		1		1		
5B,C	**5102506**	GASKET										1	1
5B,C	**5117280**	GASKET (HOUSING TO ADAPTOR) (4.4030)		2				1		1			
	5124085	GASKET (COVER)								1			
5B,C	**5136701**	GASKET (COVER) (4.4328)	1		1		1						
5B,C	**5187312**	GASKET (CORE) (4.2350)		2									
5B,C	**5130997**	GASKET (COVER)		2									

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4800	4802	4806	4807	4808	4903	4907	4909	5000	5001	5004
		4.4040 - GASKET, OIL COOLER CORE OUTER (CONT'D)											
5B,C	**5117785**	GASKET (COVER TO CORE)						1					
5B,C	**5175846**	GASKET								1			
		4.4050 - HOUSING, OIL COOLER											
5B,C	**5129741**	HOUSING (MARINE GEAR)											1
5B,C	**5126628**	HOUSING		2									
5B, C	**5117690**	HOUSING						1					
5B,C	**5122716**	HOUSING								1			
5B,C	**5128270**	HOUSING										1	
	114981	DRAINCOCK, 1/8" (12.9510)										1	
	103647	DRAINCOCK, 1/4" (12.9510)			1		1	1		1			
	5142549	PLUG, 3/4" PIPE (12.9550)						2		2			
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)											3
	103321	LOCKWASHER, 3/8" (12.9200)											AR
		4.4060 - COVER, OIL COOLER HOUSING											
5D	**5101270**	COVER (FRONT)	1		1	1	1		1		1		
5D	**5101188**	COVER (REAR)	1		1	1	1		1		1		
	5127452	COVER						1					
5C	**5101742**	COVER (FRONT)								1			
	5117553	COVER (FRONT)								1			
5D	**5131176**	COVER (FRONT)		1									
5D	**5130998**	COVER (REAR)		1									
	5125300	* PLATE (FRONT COVER)			1	1							
	5126321	* GASKET (FRONT COVER PLATE)			1	1							
	103647	DRAINCOCK, 1/4" (12.9510)	1		1	1	1		1		1		
	5121182	PLUG, 1/4" SKT. HD. (12.9550)	AR		AR	AR	AR		1		AR		
	5142335	PLUG (1.2001)							1				
	5145014	PLUG, 3/8" PIPE (12.9550)							AR				
	5111798	PLUG, 1" PIPE (12.9550)	AR		AR		AR		AR		AR		
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)								1			
	186274	BOLT, 5/16"-18X5" (12.9001)						12		20			
	148372	BOLT, 5/16"-18X5 1/8" (12.9001)		16									
	455971	@ BOLT, 5/16"-18X5 1/2" (12.9001)								3			
	215386	BOLT, 5/16"-18X6" (12.9001)		5									
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	4		4	4	4		4		4		
	179851	BOLT, 3/8"-16X3" (12.9001)	20		24		20						
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2				2						
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)			4	4							
	446202	WASHER, 5/16" COPPER (12.9190)		AR				AR					
	103341	WASHER, 3/8" (12.9190)	AR				AR						
	103320	LOCKWASHER, 5/16" (12.9200)		AR				AR		AR			
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR		AR		AR		
	103322	LOCKWASHER, 7/16" (12.9200)			4	4							

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 480	482	486	487	488	493	497	499	500	501	504
		4.4060 - COVER, OIL COOLER HOUSING (CONT'D)											
		* USE ONLY WHEN MTD. FILTERS ARE SPECIFIED.											
		@ NOT REQUIRED WITH REMOTE MTD. OIL FILTERS.											
		4.4062 - BRACKET, OIL COOLER COVER											
5F	**5136568**	PLATE (REAR SUPPORT)	1		1		1				1		
5F	**5137138**	PLATE (REAR SUPPORT) (4.4140)	1		1		1						
5F	**5127000**	PLATE (UPPER)	1		1		1						
5F	**5127001**	PLATE (LOWER)	1		1		1						
5F	**5129230**	SHIM (.062) (3 HOLE)	AR		AR		AR						
5F	**5129231**	SHIM (.062) (5 HOLE)	AR		AR		AR						
5F	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)	6		6		6						
5F	**179844**	BOLT, 3/8"-16X1 5/8" (12.9001)	3		3		3						
5F	**181374**	BOLT, 3/8"-24X1 1/2" (12.9001)	5		5		5						
5F	**271557**	BOLT, 5/8"-11X1 3/8" (12.9001)	3		3								
5F	**428211**	BOLT, 5/8"-11X1 3/8" (12.9001)					3						
5F	**103321**	LOCKWASHER, 3/8" (12.9200)	AR		AR		AR						
5F	**103334**	LOCKWASHER, 5/8" (12.9200)	AR		AR		AR						
5F	**117049**	NUT, 3/8"-24 HEX. (12.9120)	5		5		5						
		4.4082 - COVER, OIL FILTER RETURN HOLE											
	5124857	COVER			1								
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)			4								
	103323	LOCKWASHER, 1/2" (12.9200)			4								
		4.4084 - GASKET, OIL FILTER RETURN HOLE COVER											
	5124812	GASKET			1								
		4.4100 - BRACKET, OIL COOLER HOUSING SUPPORT											
	5124799	BRACKET (REAR)				1			1		1		
	179839	BOLT, 3/8"-16X1" (12.9001)				8			8		8		
	103321	LOCKWASHER, 3/8" (12.9200)				AR			AR		AR		
		4.4110 - ADAPTOR ASSY., OIL COOLER											
5C	**5126259**	ADAPTOR (FRONT)		1									
5C	**5126257**	ADAPTOR (REAR)		1									
5C	**5126258**	ADAPTOR (FRONT)								1			

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 480	482	486	487	488	493	497	499	500	501	504
		4.4110 - ADAPTOR ASSY., OIL COOLER (CONT'D)											
5C	**5117057**	ADAPTOR (REAR)								1			
5C	**5117680**	ADAPTOR						1					
5C	**5127923**	ADAPTOR										1	
5C	**186624**	BOLT, 5/16"-18X1 1/4" (12.9001)								1			
	215386	BOLT, 5/16"-18X6" (12.9001)										7	
5C	**179839**	BOLT, 3/8"-16X1" (12.9001)						2					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										3	
5C	**138243**	BOLT, 3/8"-16X1 1/4" (12.9001)						4					
5C	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)						2					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										2	
5C	**138244**	BOLT, 3/8"-16X1 1/2" (12.9027)		2						1			
5A,C	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)		10						3			
5C	**179844**	BOLT, 3/8"-16X1 5/8" (12.9001)								5			
5C	**179848**	BOLT, 3/8"-16X2 1/4" (12.9001)						1					
	9413341	BOLT, 3/8"-16X7" (12.9001)										1	
	5152148	WASHER, 3/8" FLAT (12.9190)								AR			
	103320	LOCKWASHER, 5/16" (12.9200)								AR		AR	
5C	**103321**	LOCKWASHER, 3/8" (12.9200)		AR				AR		AR		AR	
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK											
5A,C,E	**5117535**	GASKET (4.4117)	2	4	2	2	2	2		2		2	
	5126323	GASKET (5/16"O.D.)										1	
5A,C	**5126280**	SPACER (8.20"L.)		2				2		3			
		4.4116 - COVER, OIL COOLER ADAPTOR											
5C	**5130374**	COVER (PLATE)						1					
	5125597	COVER (PLATE)										1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)						1				2	
5C	**103320**	LOCKWASHER, 5/16" (12.9200)						1				2	
		4.4117 - GASKET, OIL COOLER ADAPTOR COVER											
5C	**5117711**	GASKET						1					
	5125596	GASKET										1	
		4.4130 - HOUSING, OIL COOLER BY-PASS VALVE											
	5133978	HOUSING (4.4120)	1				1		1		1		
		4.4140 - VALVE, OIL COOLER BY-PASS											
	5133431	VALVE (4.2485)	1	2			1		1	1	1		
5A,C,D	**5177777**	VALVE		2				1				1	

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 480	482	486	487	488	493	497	499	500	501	504
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE											
	5134477	SPRING (4.2486)	1	2			1		1		1		
5A,C	5177778	SPRING (4.1260)		2				1		1		1	
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE											
	5127797	PLUG, SPECIAL (18 MM)		2									
5A,C	5177772	PLUG						1		1		1	
	5126686	PLUG, 1 1/4"-16 (4.2488)		2									
	5134456	RETAINER (4.2488)	1				1		1		1		
	450865	SCREW, #12-24X3/4" (12.9065)	1				1		1		1		
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG											
5A,C	5177773	GASKET		2				1		1		1	
5C	5575086	GASKET (4.2489)		2									
		4.4176 - TUBE, OIL COOLER BY-PASS											
5D	5134052	TUBE (8.30"L.)	1				1		1		1		
5D	5131178 *	TUBE (12 3/4"L.)		1									
5D	5131179 *	TUBE (13 1/2"L.)		1									
	5138303 @	ELBOW ASSY., 1"-90 DEG. TUBE SEALASTIC (12.9425)		2									
	5176533	CONNECTOR, 1" TUBE SEALASTIC (12.9415)		2									
	5176536	SEAL RING, 1" TUBE SEALASTIC (12.9435)		4									
		* NOT SERVICED REPLACE WITH 5199722 BULK HOSE AND 2-5199727 FITTINGS											
		@ INCLUDES SEAL RING IN 4.4176 PLUS NUT NOT SOLD SEPARATELY.											
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE											
5D	5124859	FLANGE	2				2		2		2		
	5135863	ADAPTOR		1									
	5146646	PLUG, 1 1/4" PIPE (12.9550)		2									
	179830	BOLT, 5/16"-18X3" (12.9001)		1									
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)		1									
	216858	BOLT, 5/16"-18X9" (12.9001)		2									
5D	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							2		2		
5D	192883	BOLT, 3/8"-16X5 1/4" (12.9001)	2				2		2		2		
5D	186658	BOLT, 3/8"-24X5 1/2" (12.9001)	2				2						

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4480	4482	4486	4487	4488	4493	4497	4499	5000	5001	5004
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE (CONT'D)											
	446202	WASHER, 5/16" (12.9190)		1									
5D	103320	LOCKWASHER, 5/16" (12.9200)		3									
5D	103321	LOCKWASHER, 3/8" (12.9200)	4				4		4		4		
5D	117049	NUT, 3/8"-24 HEX. (12.9120)	2				2						
		4.4178 - GASKET, OIL COOLER BY-PASS TUBE FLANGE											
5D	5124798	GASKET (FLANGE) (4.4184)	3				3		3		3		
5D	5131185	GASKET (ADAPTOR)		1									
5D	5193598	SEAL RING (5.6176)	2				2		2		2		
		4.4182 - COVER, COOLER BY-PASS HOLE											
5D	5133837	COVER	1		3	4	1		2		1		
5D	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2		4	8	2		4		4		
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)			2								
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR		AR		AR		
	117049	NUT, 3/8"-24 HEX. (12.9120)			2								
		4.4184 - GASKET, COOLER BY-PASS HOLE COVER											
5D	5124798	GASKET	1				1		2		1		
		4.4211 - CONNECTION, OIL COOLER WATER INLET											
#	5124821	ELBOW			1	1	1				1		
5E	5127904	ELBOW	1						1				
	5127462	ELBOW (REAR)		1									
	5122422	ELBOW								1			
	5126057	ELBOW (HOUSING) (FRONT)		1									
5C	5124466	ELBOW						1					
	5139144	TUBE (DEV. L. 10.52")										1	
	5127646	TUBE (DEV. L. 26.62")		1									
	5136693	BRACKET		1									
	5115214	PLUG, 1/2" PIPE (12.9550)										1	
	103647	DRAINCOCK, 1/4" (12.9550)							1				
	180121	BOLT, 3/8"-16X7/8" (12.9001)		4									
	179839	BOLT, 3/8"-16X1" (12.9001)		6									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4		4	4	4	4	4	4	4		
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)		2									
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR		

FIG. 10C OF 5.0000.

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 480	482	486	487	488	493	497	499	500	501	504
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION											
5E	5124822	GASKET	1		1	1	1		1		1		
5C	5117317	GASKET		2				1		1			
		4.4213 - HOSE, OIL COOLER WATER INLET											
5C,E	5140553 *	HOSE, 2 3/8"I.D.X2 3/4"L. (TO WATER PUMP) (5.3365) (5199780)	1					1	1			2	
	5136037	HOSE, 2 1/2"I.D.X3.25"L.		1									
5C,E	5147744	HOSE, 2 7/8"I.D.X4 1/2"L. (TO WATER PUMP)			1	1	1			1	1		
	5138842 *	HOSE, 3 1/2"I.D.X3.25"L. (5136038)											2
	5136038	HOSE, 3 1/2"I.D.X4.50"L.		1									
		* NOT SERVICED. USE PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.											
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE											
5C,E	9139809	CLAMP, 2 1/16"-3" RANGE (12.9660)	2					1	2				
5C,E	5188036	CLAMP, 2 9/16"-3 1/2" (12.9660)			2	2	2			2	2		
	5135647	CLAMP, 2 3/4"-3" (12.9660)		2									
	5136306	CLAMP, 3 7/8"-4 3/4" (12.9660)		4									4
	5108560	CLAMP ASSY., 3 5/8" (6.2090)		2									
		4.4220 - ELBOW, OIL COOLER WATER OUTLET-INLET											
	5129835	ELBOW (OUTLET)		1									
	5129834	ELBOW (OUTLET)		1				1		1			
	5142549	PLUG, 3/4"-14 SOC. HD. (12.9550)		1									
	179839	BOLT, 3/8"-16X1" (12.9001)		4				2		4	2		
	5152148	WASHER, 3/8" FLAT (COPPER) (2.4050)						2		2			
	103321	LOCKWASHER, 3/8" (12.9200)		8				2		2	2		
	103026	NUT, 3/8"-24 HEX. (12.9120)		4									
	117049	NUT, 3/8"-24 HEX. (12.9120)						2					
	122236	NUT, 3/8"-24 JAM (12.9120)									2		
		4.4230 - GASKET, OIL COOLER WATER ELBOW											
5C,E	5117254	GASKET	1	1	1	1	1	1	1	1	1		
	5117734	GASKET (1.1070)		1									
		4.4240 - HOSE, OIL COOLER WATER OUTLET											
5C	5144078	SEAL (3 1/2"O.D.X5/8"W.)	1	2	1	1	1	1	1	1	1		

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 480	482	486	487	488	493	497	499	500	501	504
		4.4242 - FLANGE, OIL COOLER WATER OUTLET											
5E	5124884	FLANGE (4.4320)	1		1	1	1		1		4		
	5125598 #	FLANGE (4.4320)										1	
5E	179839	BOLT, 3/8"-16X1" (12.9001)	4		4	4	4		2				
5E	186679	BOLT, 3/8"-16X1 1/4" (12.9001)										2	
5E	5152148	WASHER, 3/8" FLAT COPPER (2.4050)	AR		AR	AR	AR						
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR		AR			AR	
	117049	NUT, 3/8"-24 HEX. (12.9120)										2	
	122236	NUT, 3/8"-24 HEX. CAD. (12.9120)							2				
		# EFFECTIVE WITH 6VA-398, 8VA-306.											
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE											
	5125599 #	SEAL RING (4.4325)										1	
		# EFFECTIVE WITH 6VA-398, 8VA-306.											
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE											
5C,E	5143999	CLAMP, 3 1/2" HOSE (12.9660)	1	2	1	1	1	1	1	1	1		
		4.4328 - BLOCK, OIL COOLER OIL JUNCTION											
	5136520	BLOCK, JUNCTION				1							
	5136519	BLOCK, JUNCTION							1		1		
5F	5136701	GASKET				1			1		1		
	179839	BOLT, 3/8"-16X1" (12.9001)				6			7		7		
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)				1							
	103321	LOCKWASHER, 3/8" (12.9200)				7			7		7		
		4.4329 - HOSE, CYLINDER BLOCK WATER DRAIN TO OIL COOLER											
5E	5133334 *	HOSE, #4X18"L. (7.4074) (5129867, #4X88"L.)			1		1		1				
5E	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)			1		1		1				
5E	2011306	ELBOW, 1/4"-45 DEG. STREET (12.9590)			1		1		1				
5E	5189294	FITTING, 1/2"-20 HOSE (5.7100)			1		1		1				
5E	5164312	TEE, INVERTER 5/16" (4.3001)			1		1		1				
	114981	DRAINCOCK, 1/8" (12.9510)			1		1		1				
		* NOT SERVICED, STD. LENGTH HOSE SHOWN WILL BE PROVIDED.											
		4.4330 - HOSE, MARINE GEAR OIL OUTLET											
	5138233	HOSE, FLEX. (117"L.) (PUMP TO COOLER)											1
	5125906	CONNECTOR											1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 480	482	486	487	488	493	497	499	500	501	504
		4.4335 - HOSE, MARINE GEAR OIL INLET											
	5138232	HOSE, FLEX. (94"L.) (FILTER TO COOLER) (4.4330)											1
	5125906	CONNECTOR (4.4330)											1
		4.4345 - CLIP, MARINE GEAR OIL LINES											
	5181415	CLIP, 1 1/8" (5.5390)											6
	5160115	COLLAR, 5/16"I.D. (2.9643)											1
	5173144	SPACER, 13/32"X3/4"X1 13/16" (4.8040)											1
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)											1
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)											1
	180120	BOLT, 3/8"-16X3/4" (12.9001)											1
	120393	WASHER, 5/16" FLAT (12.9190)											1
	103321	LOCKWASHER, 3/8" (12.9200)											2

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	506	509	511	514	517	518	520	521	524	525	531
		4.4001 - CORE, OIL COOLER												
5A	8538954	CORE ASSY. (16 PLATE) (4.4002)	1									1		
5A	8528885	CORE ASSY. (16 PLATE)					1							
5A	8541903	CORE ASSY. (18 PLATE)		1	1									
5D	5149054	CORE ASSY. (TUBE TYPE) (TORQUE CONVERTER AND ENGINE)				1								
5C	8539503	CORE ASSY. (24 PLATE)							1				1	1
5C	8534719	CORE ASSY. (8 PLATE)								1				
5D	5149056	CORE ASSY. (TUBE TYPE) (TORQUEMATIC BRAKE AND ENGINE)									1			
5D	5149055	CORE ASSY. (TUBE TYPE) (TORQUEMATIC BRAKE ONLY)									1			
5B,C	8536502	CORE ASSY. (12 PLATE)												1
5D	5149052	TUBE, BUNDLE (UPPER)				1								
5D	5149053	TUBE, BUNDLE (LOWER)				1								
5D	5149057	TUBE, BUNDLE (LOWER)									2			
5D	5149058	TUBE, BUNDLE									1			
5D	5149059	TUBE, BUNDLE (UPPER)									1			
5D	5108071	RING, "O"				4					4			
	179816	BOLT, 5/16"-18X3/4" (12.9001)	8							8		8		
	186317	BOLT, 3/8"-24X5" (12.9001)									12			
	103320	LOCKWASHER, 5/16" (12.9200)	8							8		8		
	103321	LOCKWASHER, 3/8" (12.9200)									12			
	117049	NUT, 3/8"-24 HEX. (12.9120)									12			
		4.4003 - SHELL ASSY., OIL COOLER TUBE TYPE												
5D	5149077	SHELL ASSY.				1								
5D	5149078	SHELL ASSY.									1			
5D	5149079	SHELL ASSY.									1			
		4.4030 - GASKET, OIL COOLER CORE INNER												
5A	5150155	GASKET		1	1		1			1				
5C	5117280	GASKET (HOUSING TO ADAPTOR)							1					1
5C	5117404	GASKET (CORE TO HOUSING) (4.4115)							1					1
	5124806	GASKET (CORE TO CORE) (4.4060)									1			
	5117535	GASKET (4.4117)									2			
5C	5117404	GASKET (REAR AND FRONT) (4.4115)											2	2
	5117280	GASKET											2	
	5144703	GASKET (5.5050)								1		1		
		4.4040 - GASKET, OIL COOLER CORE OUTER												
5A	5102506	GASKET	1	1	1		1					1		
	5126618	GASKET (COVER TO CORE) (4.4060)				1					1			
5C	5117785	GASKET (COVER TO ELEMENT)							1					

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	506	509	511	514	517	518	520	521	524	525	531
		4.4040 - GASKET, OIL COOLER CORE OUTER (CONT'D)												
	5124806	GASKET (4.4060)									1			
	5187312	GASKET (4.2350)											2	
	5130997	GASKET (COVER) (4.4060)											2	
		4.4050 - HOUSING, OIL COOLER												
5C	**5129741**	HOUSING (MARINE GEAR)	1									1		
5B	**5117824**	* HOUSING		1										
5C	**5133402**	HOUSING			1									
5A	**5128270**	HOUSING					1							
5C	**5117690**	HOUSING							1					
5C	**5126628**	HOUSING											2	
5C	**5122716**	HOUSING												1
	5173256	SPACER, 15/32" X 13/16" X 5/16" (7.1598)										1		
	114981	DRAINCOCK, 1/8" (12.9510)					1							
	103647	DRAINCOCK, 1/4" (12.9510)		1	1				1					1
	5142549	PLUG, 3/4" PIPE (12.9550)												2
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)			8									
	215386	BOLT, 5/16"-18X6" (12.9001)		8	8									
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	3									3		
	103320	LOCKWASHER, 5/16" (12.9200)		8	8									
	120394	WASHER, 13/32" (12.9190)	3									3		
		* NOT SERVICED; USE 5129421. WHEN REPLACING 5117824 BY 5129421 FOR THE 6V-71, INCLUDE 1-852885 16 PLATE ELEMENT.												
		4.4060 - COVER, OIL COOLER HOUSING												
5D	**5101270**	COVER (FRONT)				1					1			
5D	**5101188**	COVER (REAR)				1					1			
	5127452	COVER (REAR)							1					
	5131176	COVER (FRONT)											1	
	5130998	COVER (REAR)											1	
	5142008	COVER (FRONT)												1
10B	**5123844**	+ COVER (REAR) (4.2290)												1
	5125300	PLATE				1					1			
	5126321	GASKET				1					1			
	5124806	GASKET									1			
	5187312	GASKET (4.2350)												1
	5142009	* GASKET												1
	5144293	@ GASKET												1
	103647	DRAINCOCK, 1/4" (12.9510)				1					1			
	5121182	PLUG, 1/4" PIPE (12.9550)				6					9			
	5111798	PLUG, 1" PIPE (12.9550)									1			
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)												1
	186274	BOLT, 5/16"-18X5" (12.9001)							12					21
	148372	BOLT, 5/16"-18X5 1/8" (12.9001)											16	

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	506	509	511	514	517	518	520	521	524	525	531
		4.4060 - COVER, OIL COOLER HOUSING (CONT'D)												
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)												2
	215386	BOLT, 5/16"-18X6" (12.9001)											5	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)				4					4			
	179851	BOLT, 3/8"-16X3" (12.9001)				20					24			
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				4					4			
	446202	WASHER, 5/16" (12.9190)							AR				AR	AR
	103320	LOCKWASHER, 5/16" (12.9200)							AR				AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR					AR			
	103322	LOCKWASHER, 7/16" (12.9200)				AR					AR			
		* THRU 12VA-16685. NOT SERVICED; USE 5124439 AND ADD (2) 2.38" DIA. HOLES.												
		@ OBSOLETE.												
		4.4062 - BRACKET, OIL COOLER COVER												
5F	5127000	PLATE (4.25"L.) (UPPER)									1			
5F	5127001	PLATE (6"L.) (LOWER)									1			
5F	5136568	PLATE (REAR)									1			
5F	5129230	SHIM (.062") (3 HOLE)									1			
5F	5129231	SHIM (.062") (5 HOLE)									1			
5F	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									6			
5F	179844	BOLT, 3/8"-16X1 5/8" (12.9001)									3			
5F	181374	BOLT, 3/8"-24X1 1/2" (12.9001)									5			
5F	103321	LOCKWASHER, 3/8" (12.9200)									AR			
5F	117049	NUT, 3/8"-24 HEX. (12.9120)									5			
		4.4064 - GASKET, OIL COOLER COVER BRACKET												
	5124806	GASKET (FRONT COVER)				1								
	5136701	GASKET (4.4328)									1			
		4.4082 - COVER, OIL FILTER RETURN HOLE												
	5124857	COVER									1			
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)									4			
	103323	LOCKWASHER, 1/2" (12.9200)									4			
		4.4084 - GASKET, OIL FILTER RETURN HOLE COVER												
	5124812	GASKET									1			
		4.4100 - BRACKET, OIL COOLER HOUSING SUPPORT												
	5124799	BRACKET (REAR)				1								
	5137138	BRACKET (REAR)									1			
	179839	BOLT, 3/8"-16X1" (12.9001)				8								

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	506	509	511	514	517	518	520	521	524	525	531
		4.4100 - BRACKET, OIL COOLER HOUSING SUPPORT (CONT'D)												
	271557	BOLT, 5/8"-11X1 3/8" (12.9001)									3			
	103321	LOCKWASHER, 3/8" (12.9200)				8								
	103334	LOCKWASHER, 5/8" (12.9200)									3			
		4.4110 - ADAPTOR ASSY., OIL COOLER												
5A	**5102264**	# ADAPTOR (8923286)		1	1									
5C	**5127923**	ADAPTOR					1							
5C	**5117680**	ADAPTOR							1					
5C	**5126259**	ADAPTOR											1	
	5135863	ADAPTOR (4.4177)											1	
5C	**5126257**	ADAPTOR (REAR)											1	1
5C	**5117057**	ADAPTOR (REAR)												1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)												1
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)											1	
	215386	BOLT, 5/16"-18X6" (12.9001)					7							
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)											1	
	216858	BOLT, 5/16"-18X9" (12.9001)											2	
	179839	BOLT, 3/8"-16X1" (12.9001)							2					
5A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)		1	1		3							
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							2					
	138243	BOLT, 3/8"-16X1 1/4" (12.9001)							4					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1							
5A,C	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)		2	2								10	3
	138244	BOLT, 3/8"-16X1 1/2" (12.9027)											2	1
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)												5
5A	**179846**	BOLT, 3/8"-16X1 7/8" (12.9001)		4	4									
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)							1					
	9413341	BOLT, 3/8"-16X7 1/4" (12.9001)					1							
	446202	WASHER, 5/16" (COPPER) (12.9190)											1	
	5152148	WASHER, 3/8" (2.4060)		1	1									
	120394	WASHER, 13/32" (12.9190)												2
	103320	LOCKWASHER, 5/16" (12.9200)					AR						AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR		AR		AR				AR	AR
		# NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.												
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
5A,C	**5117535**	GASKET (4.4117)		2	2	2	2		2				4	2
5C	**5126323**	SHIM (.012")					1							
5A,C	**5126280**	SPACER (8.20"L.)		2	2				2				2	3
		4.4116 - COVER, OIL COOLER ADAPTOR												
5C	**5125597**	COVER (PLATE)					1							
5C	**5102265**	COVER (PLATE)		1	1									
5C	**5130374**	COVER (PLATE)							1					

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	506	509	511	514	517	518	520	521	524	525	531
		4.4116 - COVER, OIL COOLER ADAPTOR (CONT'D)												
	186625	BOLT, 5/16"-18X7/8" (12.9001)		5	5		2		1					
	103320	LOCKWASHER, 5/16" (12.9200)		5	5		2		1					
		4.4117 - GASKET, OIL COOLER ADAPTOR COVER												
	5125596	GASKET					1							
5C	**8921404**	GASKET		1	1									
	5117711	GASKET							1					
	5131185	GASKET											1	
		4.4140 - VALVE, OIL COOLER BY-PASS												
5A,C	**5177777**	VALVE		1	1		1		1				2	2
	5136358	VALVE											1	
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE												
5A,C	**5177778**	SPRING		1	1		1		1				2	1
	5134911	SPRING											1	
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE												
5A,C	**5177772**	PLUG		1	1		1		1					
5C	**5127797**	PLUG (18 MM. X 15 MM.)											2	1
	5134807	PLUG, 1 1/2"-6											1	
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG												
5A,C	**5177773**	GASKET		1	1		1		1				2	1
	5134920	GASKET (4.2489)											1	
		4.4176 - TUBE, OIL COOLER BY-PASS												
5D	**5131178**	* TUBE (12 3/4"L.)											1	
5D	**5131179**	* TUBE (13 1/2"L.)											1	
	5138303	@ ELBOW ASSY., 1"-90 DEG. TUBE SEALASTIC (12.9425)											2	
	5138310	@ CONNECTION ASSY., 1" TUBE SEALASTIC (12.9415)											2	
	5176536	SEAL RING, 1" TUBE SEALASTIC (12.9435)											2	

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	506	509	511	514	517	518	520	521	524	525	531
		4.4176 - TUBE, OIL COOLER BY-PASS (CONT'D)												
		* NOT SERVICED. REPLACE WITH 5199722 BULK HOSE AND 2-5199727 FITTINGS												
		@ NUT NOT SOLD SEPARATELY.												
		4.4182 - COVER, COOLER BY-PASS HOLE												
5D	**5133837**	COVER				4					3			
5D	**186282**	BOLT, 3/8"-16X3 1/4" (12.9001)				8					4			
5D	**186318**	BOLT, 3/8"-24X4 1/4" (12.9001)									2			
5D	**103321**	LOCKWASHER, 3/8" (12.9200)				AR					AR			
	117049	NUT, 3/8"-24 HEX. (12.9120)									2			
		4.4184 - GASKET, COOLER BY-PASS HOLE COVER												
5D	**5124798**	GASKET				4					3			
		4.4211 - CONNECTION, OIL COOLER WATER INLET												
5C	**5140360**	ELBOW		1										
	5133368	ELBOW			1									
5E	**5127904**	ELBOW				1								
	5124466	ELBOW							1					
	5126057	ELBOW (HOUSING) (FRONT)											1	
	5127462	ELBOW (REAR)											1	
	5122422	ELBOW												1
	5141318	TUBE (DEV. L. 10.88")					1							
*	**5127646**	TUBE (DEV. L. 26.62") (4.4213)											1	
	103647	DRAINCOCK, 1/4" (12.9510)				1							1	
	5136693	BRACKET											1	
	5115214	PLUG, 1/2" PIPE (12.9550)		2			1							
	103870	PLUG, 1" PIPE (12.9550)					1							
	180121	BOLT, 3/8"-16X7/8" (12.9001)											4	
	179839	BOLT, 3/8"-16X1" (12.9001)				2							4	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		3	3	3			4					4
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)											2	
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR			AR				AR	AR
	122236	NUT, JAM 3/8"-24 (12.9120)				2								
		* FIG. 13D OF 1.0000.												
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION												
5E	**5117476**	GASKET		1	1									
5C	**5117317**	GASKET							1				2	1
	5124822	GASKET				1								

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	506	509	511	514	517	518	520	521	524	525	531
		4.4213 - HOSE, OIL COOLER WATER INLET												
5C,E	5199780 *	HOSE, 2 3/8"I.D.X2 3/4"L. (5.3365)		1	1	1								
	5199780 *	HOSE, 2 3/8"I.D.X2 3/4"L. (5.3365)					2							
	695615	HOSE, 2 3/8"I.D.X2 3/4"L.							1					
	5136037	HOSE, 2 1/2"X3 1/4"L.											1	
5C,E	5147744	HOSE, 2 7/8"I.D.X2 1/4"L. (TO WATER PUMP)									1			1
5C	5136038	HOSE, 3 1/2"X4 1/2"L.	2									2	2	
		* STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.												
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE												
5C,E	5139809	CLAMP, 2 9/16"-3" RANGE (12.9660)		2	2	2	4		2					
	5135647	CLAMP, 2 3/4"-3" (12.9660)											2	
5C	5188036	CLAMP, 2 9/16"-3 1/2" (12.9660)									2			2
	5136306	CLAMP, 3 7/8"X4 3/16" (12.9660)	4									4	2	
		4.4220 - ELBOW, OIL COOLER WATER (OUTLET-INLET)												
5C	5129834	ELBOW (OUTLET)			1				1				1	1
	5127904	ELBOW (INLET)				1								
	5124821	ELBOW (INLET)									1			
	5129835	ELBOW (OUTLET)											1	
	5142549	PLUG, 3/4" PIPE (12.9550)			1				1				2	1
5C	179839	BOLT, 3/8"-16X1" (12.9001)			2				2				4	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				4					4			
	5152148	WASHER, 3/8" FLAT (COPPER) (2.4050)							2					
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR			AR		AR		AR	
5C	117049	NUT, 3/8"-24 HEX. (12.9120)			2				2					
	103026	NUT, 3/8"-24 HEX. (12.9120)											4	
		4.4230 - GASKET, OIL COOLER WATER ELBOW												
5C	5117254	GASKET			1				1				1	1
5C,D	5124822	GASKET (4.4212)				1					1			
5C	5117734	GASKET (1.1070)											1	
		4.4240 - HOSE, OIL COOLER WATER OUTLET												
5C,E	5144078	SEAL (3 1/2"O.D.X5/8"W.)			1	1			1		1		2	1
		4.4242 - FLANGE, OIL COOLER WATER OUTLET												
	5125598	FLANGE (4.4320)		1			1							
5E	5124884	FLANGE (4.4320)				1					1			
5E	179839	BOLT, 3/8"-16X1" (12.9001)				4					4			4

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	506	509	511	514	517	518	520	521	524	525	531
		4.4242 - FLANGE, OIL COOLER WATER OUTLET (CONT'D)												
5E	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2			2							
5E	5152148	WASHER, 3/8" FLAT COPPER (2.4050)				AR					AR			AR
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR	AR				AR			AR
	117049	NUT, 3/8"-24 HEX. (12.9120)		2			2							
	124595	NUT, 3/8"-24 HEX. (12.9120)				2								
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE												
	5117254	GASKET (4.4230)				1					1			
	5125599	SEAL RING		1			1							
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE												
5C,E	5143999	CLAMP, 4" HOSE (3.5420)			1	1			1		1		2	1
		4.4328 - BLOCK, OIL COOLER OIL JUNCTION												
	5136520	BLOCK, JUNCTION				1								
5E	5136701	GASKET				1								
	179839	BOLT, 3/8"-16X1" (12.9001)				6								
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)				1								
	103321	LOCKWASHER, 3/8" (12.9200)				7								
		4.4329 - HOSE, CYLINDER BLOCK WATER DRAIN TO OIL COOLER												
5E	5133334	@ HOSE, #4X18"L. (7.4074) (5199867)									1			
5E	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)									1			
5E	444054	ELBOW, 1/4"-45 DEG. STREET (12.9590)									1			
5E	5189294	FITTING, 1/2"-20 SPEC. HOSE (5.7100)									2			
5E	5164312	TEE, INVERTER 5/16" (4.3001)									1			
	114981	DRAINCOCK, 1/8" (12.9510)									1			
		@ NOT SERVICED, USE HOSE SHOWN IN PARENTHESES CUT TO DESIRED LENGTH.												
		4.4330 - HOSE, MARINE GEAR OIL OUTLET												
5J	5125788	* HOSE, FLEX. (23 1/2"L.) (GEAR TO PUMP)								1				
5J	5177502	@ HOSE, FLEX. (28 1/2"L.) (GEAR TO PUMP)								1				

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	506	509	511	514	517	518	520	521	524	525	531
		4.4330 - HOSE, MARINE GEAR OIL OUTLET (CONT'D)												
5J	5126739	HOSE, FLEX. (34"L.) (PUMP TO FILTER)								1				
5J	5182224	HOSE, FLEX. (44 3/4"L.) (8.3800)						1						
5J	5112499	HOSE, FLEX. (80"L.) (COOLER TO SEL. VALVE) (9.1587)								1				
5J	5138231	HOSE, FLEX. (97"L.) (PUMP TO COOLER)	1									1		
5J	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)(12.9390)								3				
5J	108686	ELBOW, 1/2"-90 DEG. STREET (12.9510)								1				
5J	5176705	ELBOW, 3/4"-90 DEG. (8.3800)						1						
5J	108687	ELBOW, 1"-45 DEG. STREET (12.9590)								1				
5J	144116	ELBOW, 1"-90 DEG. STREET (12.9590)								1				
	5125906	CONNECTOR, 1" PIPE	2									4		
	5183079	CONNECTOR, 1" TUBE, 1 5/16"X1" (9.1720)								1				
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)								1				
		* THRU 6VA-50621, 8VA-81196.												
		@ EFFECTIVE WITH 6VA-50622, 8VA-81197.												
		4.4335 - HOSE, MARINE GEAR OIL INLET												
5J	5185398	HOSE, FLEX. (66 3/4"L.) (8.3800)						1						
5J	5112499	HOSE, FLEX. (80"L.) (FILTER TO COOLER) (9.1587)								1				
5J	5138232	HOSE, FLEX. (94"L.) (FILTER TO COOLER) (4.4330)	1									1		
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9590)								1				
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)								1				
	5176705	ELBOW, 3/4"-90 DEG. (8.3800)						1						
	110289	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)						1						
	119095	ELBOW, 3/4"-45 DEG. STREET (12.9590)						1						
	5125906	CONNECTOR, 1"	2											
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)								1				
		4.4345 - CLIP, MARINE GEAR OIL LINES												
5J	5151189	CLIP, 3/4" (4.8040)								5				
5J	5177001	CLIP, 7/8" (8.3801)						2						
	5181415	CLIP, 1 1/8" (5.5390)	3									3		
5J	5118394	BRACKET (7.1587)						1						
5J	5109000	BRACKET, CLIP (4.6040)								1				
5J	5127861	BRACKET, CLIP (7.1587)								1				
5J	5187818	BRACKET, CLIP (9.3541)										1		

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	506	509	511	514	517	518	520	521	524	525	531
		4.4345 - CLIP, MARINE GEAR OIL LINES (CONT'D)												
5J	5160115	COLLAR, 5/16"I.D. (2.9643)	1									1		
5J	5173144	SPACER, 13/32"X3/4"X1 13/16" (4.8040)	1											
5J	215404	BOLT, 5/16"-18X5 3/4" (12.9001)	1									1		
	181596	BOLT, 5/16"-24X7/8" (12.9001)										1		
	100014	BOLT, 5/16"-24X1" (12.9001)						1						
	179837	BOLT, 3/8"-16X3/4" (12.9001)										1		
	179839	BOLT, 3/8"-16X1" (12.9001)								3				
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	1									1		
	186689	BOLT, 1/2"-13X2" (12.9001)										2		
	120393	WASHER, 5/16" FLAT (12.9190)	2					1				1		
	103343	WASHER, 1/2" FLAT (12.9190)										1		
	103320	LOCKWASHER, 5/16" (12.9200)						1				1		
	103321	LOCKWASHER, 3/8" (12.9200)								2		1		
	114493	NUT, 5/16"-24 HEX. (12.9120)						1				1		
	102635	NUT, 3/8"-16 HEX. (12.9120)								2				

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	537	539	542	546	547	549	551	555	570	571	573
		4.4001 - CORE, OIL COOLER												
		▪ FOR TYPE 572 USE TYPE 747▪												
5B,C	**5149054**	*CORE ASSY. (TUBE TYPE) (TORQUE CONVERTER AND ENGINE)*			1									
5B,C	**8539503**	CORE ASSY. (24 PLATE)				2	1		1					
5B,C	**8534719**	CORE ASSY. (8 PLATE)											1	1
5B,C	**8534711**	CORE ASSY. (12 PLATE) (REAR)					1							
5B,C	**8530017**	CORE ASSY. (24 PLATE)						2		1				
5D	**5149052**	TUBE, BUNDLE (UPPER)			1									
5D	**5149053**	TUBE, BUNDLE (LOWER)			1									
5D	**5108071**	RING, "O"			1									
	179816	BOLT, 5/16"-18X3/4" (12.9001)												8
	179851	BOLT, 3/8"-16X3" (12.9001)			20									
	103320	LOCKWASHER, 5/16" (12.9200)												8
	103321	LOCKWASHER, 3/8" (12.9200)			20									
		4.4003 - SHELL ASSY., OIL COOLER TUBE TYPE												
5G	**5149077**	SHELL ASSY.			1									
		4.4005 - COOLER ASSY. (COMPLETE)												
5E	**5143216**	COOLER ASSY. (MODINE) (ENGINE OIL)									1	1		
5E	**5142386**	*COOLER ASSY. (MODINE) (TRANSMISSION OIL)*									1			
5E	**5143042**	COOLER ASSY. (MODINE) (TRANSMISSION OIL)										1		
	103175	STUD, 5/16"-18-24X1 1/2" (12.9117)									12	12		
	181342	BOLT, 5/16"-24X1 7/8" (12.9001)									22	22		
	120393	WASHER, 5/16" FLAT (12.9190)									52	52		
	5155596	WASHER, 21/64"X9/16" SPL, (4.7120)									2	2		
	103320	LOCKWASHER, 5/16" (12.9200)									54	54		
	114493	NUT, 5/16"-24 HEX. (12.9120)									54	54		
		4.4030 - GASKET, OIL COOLER CORE INNER												
5A	**5150155**	GASKET												1
5C	**5117280**	GASKET (HOUSING TO ADAPTOR)				1	1	2	1	1				
5C	**5117404**	GASKET (CORE TO HOUSING) (4.4115)				3	3	2	1	1				
	5133369	GASKET (4.4115)									1	1		
	5133727	GASKET (4.4060)									2	2		
	5144703	GASKET (5.5050)											1	1
		4.4040 - GASKET, OIL COOLER CORE OUTER												
	5126618	GASKET (COVER TO CORE) (4.4060)			1									
5C	**5117785**	GASKET (COVER TO ELEMENT)				1								
	5124806	GASKET (4.4060)			1									

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	537	539	542	546	547	549	551	555	570	571	573
		4.4040 - GASKET, OIL COOLER CORE OUTER (CONT'D)												
	5175846	GASKET				1								
		4.4050 - HOUSING, OIL COOLER												
5C	5117690	HOUSING							1	1				
5C	5126628	HOUSING						2						
5C	5122716	HOUSING				1								
5C	5116863	HOUSING					1							
5C	5143358	HOUSING (ALUM.)									1	1		
	5132634	DECAL (1.1001)								AR				
	103647	DRAINCOCK, 1/4" (12.9510)				1								
	5142549	PLUG, 3/4" PIPE (12.9550)				2	2					2		
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)									2	2		
	272547	BOLT, 3/8"-16X6 1/2" (12.9001)									4			
	9413341	BOLT, 3/8"-16X7" (12.9001)										4		
	103341	WASHER, 3/8" FLAT (12.9190)									4	4		
	103321	LOCKWASHER, 3/8" (12.9200)									4	4		
		4.4060 - COVER, OIL COOLER HOUSING												
5D	5101270	COVER (FRONT)			1									
5D	5101188	COVER (REAR)			1									
	5131176	COVER (FRONT)						1						
	5130998	COVER (REAR)						1						
	5123283	COVER (FRONT)		1			1							
10B	5144151	COVER (REAR)				1								
	5101742	COVER (FRONT)				1				1				
	5124494	GASKET (4.4040)					1							
	5133727	GASKET (BETWEEN TRANS. COOLER AND ENGINE COOLER)									1			
	103647	DRAINCOCK, 1/4" (12.9510)			1		1							
	5121182	PLUG, 1/4" PIPE (12.9550)			7									
	5111798	PLUG, 1" PIPE (12.9550)			2	1								
	186629	BOLT, 5/16"-18X1" (12.9001)					1							
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)							1					
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)											8	
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)					11							
	186274	BOLT, 5/16"-18X5" (12.9001)					12							
	148372	BOLT, 5/16"-18X5 1/8" (12.9001)						16						
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)				13			12	12				
	215386	BOLT, 5/16"-18X6" (12.9001)						5						
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			4									
	446202	WASHER, 5/16" (12.9190)					AR	AR						
	103320	LOCKWASHER, 5/16" (12.9200)				AR	AR	AR	AR	AR			AR	
	103321	LOCKWASHER, 3/8" (12.9200)			AR									

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	537	539	542	546	547	549	551	555	570	571	573
		4.4061 - GASKET, OIL COOLER HOUSING COVER												
5D	**5124494**	GASKET (FRONT) (4.4040)					1							
	5187312	GASKET (4.2350)						2						
	5130997	GASKET (FRONT) (4.4060)						2						
	5175846	GASKET (COVER TO CORE) (4.4040)							1	1				
		4.4100 - BRACKET, OIL COOLER HOUSING SUPPORT												
	5124799	BRACKET (REAR)			1									
	179839	BOLT, 3/8"-16X1" (12.9001)			8									
	103321	LOCKWASHER, 3/8" (12.9200)			8									
		4.4110 - ADAPTOR ASSY., OIL COOLER												
5C	**5126259**	ADAPTOR						1						
	5135863	ADAPTOR (4.4177)						1						
5C	**5126257**	ADAPTOR (REAR)						1						
5C	**5117057**	ADAPTOR (REAR)					1							
5C	**5126258**	ADAPTOR (FRONT)				1	1							
5C	**5122853**	ADAPTOR (REAR)				1								
	5122850	ADAPTOR							1	1				
	5107639	ADAPTOR									1	1		
	5143164	ADAPTOR (ALUM.)									1	1		
	5123882	ADAPTOR (MARINE GEAR)											1	
	5100882	# TUBE ASSY., ADAPTOR (ALUM.)									1	1		
	5143168	# ELBOW									2	2		
	5100884	# ELBOW									2	2		
	5100883	# TUBE ASSY., ADAPTOR (ALUM.)									1	1		
	5111798	PLUG, 1" PIPE (12.9550)										1		
	5146646	PLUG, 1 1/4" PIPE (12.9550)						2						
	103175	STUD, 5/16"-18-24X1 1/2" (12.9117)									18	18		
	5119631	STUD, 1/2"-20X2 1/4" (6.1020)									8	8		
	118536	DRAINCOCK, 5/8" (12.9510)									1			
	142269	BUSHING, 1/2"X3/8" RED.									1			
	186625	BOLT, 5/16"-18X7/8" (12.9001)				4								
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)					1							
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)											2	
	179830	BOLT, 5/16"-18X3" (12.9001)						1						
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)						1						
	216858	BOLT, 5/16"-18X9" (12.9001)						2						
	179839	BOLT, 3/8"-16X1" (12.9001)							2	2				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				1								
	138243	BOLT, 3/8"-16X1 1/4" (12.9001)							4	4				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							2	2				
5A,C	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)					3	10						
	138244	BOLT, 3/8"-16X1 1/2" (12.9027)				1	1	2						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)									8	8		
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)				5	5							

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	537	539	542	546	547	549	551	555	570	571	573
		4.4110 - ADAPTOR ASSY., OIL COOLER (CONT'D)												
	179847	BOLT, 3/8"-16X2" (12.9001)				1					4	4		
	272547	BOLT, 3/8"-16X6 1/2" (ADAPTOR TO BLOCK) (12.9001)										4		
	9413341	BOLT, 3/8"-16X7 1/4" (12.9001)									4			
	446202	WASHER, 5/16" (COPPER) (12.9190)						1						
	120393	WASHER, 5/16" FLAT (ADAPTOR TO COOLER) (12.9190)										18		
	103341	WASHER, 3/8" FLAT (ADAPTOR TO									15	15		
	5152148	WASHER, 3/8"X9/16" FLAT (COPPER)									1	1		
	120394	WASHER, 13/32" (12.9190)				2	2							
5E	5176667	WASHER, 1/2" FLAT (2.7150)									8	8		
	103320	LOCKWASHER, 5/16" (12.9200)					AR					AR	AR	
	103341	LOCKWASHER, 3/8" (12.9200)									4	4		
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR	AR	AR	AR	AR	AR		
	103323	LOCKWASHER, 1/2" (12.9200)									8	8		
	114493	NUT, 5/16"-24 HEX. (12.9120)									AR	AR		
	102637	NUT, 1/2"-13 HEX. (12.9120)									8	8		
		# NOT SERVICED; USE 1-5104249, 1-5104250, 2-5104251 AND 2-5104252												
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
5A,C	5117535	GASKET (4.4117)			2	2	2	4	2	2				
5A,C	5122433	GASKET				1								
	5146532	GASKET									1	1		
	5133724	GASKET (TUBE ASSY. TO ADAPTOR)									2	2		
	5159430	GASKET (4.4180)											2	
	5126323	SHIM (.012")							2	2				
5A,C	5126280	SPACER (8.20"L.)				1	3	2	1	1				
		4.4116 - COVER, OIL COOLER ADAPTOR												
	5122434	COVER (PLATE)				1								
	5122851	COVER (PLATE)							1	1				
	186625	BOLT, 5/16"-18X7/8" (12.9001)							3	3				
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)				1								
	5155596	WASHER, 5/16" FLAT (COPPER) (4.7120)				1								
	103320	LOCKWASHER, 5/16" (12.9200)							3	3				
		4.4117 - GASKET, OIL COOLER ADAPTOR COVER												
	5131185	GASKET						1						
	5122852	GASKET							1	1				

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	537	539	542	546	547	549	551	555	570	571	573
		4.4140 - VALVE, OIL COOLER BY-PASS												
5A,C	5177777	VALVE				1	1	2	1	1				
	5136358	VALVE						1			2	1		
	5133431	VALVE			1									
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE												
5A,C	5177778	SPRING				1	1	2	1	1				
	5134911	SPRING						1				1		
5A	5134477	SPRING			1									
	5134911	SPRING									2			
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE												
5A,C	5177772	PLUG				1	1		1	1				
5C	5127797	PLUG (18 MM. X 15 MM.)						2						
	5134807	PLUG, 1 1/2"-6						1			2	1		
5A	5134456	RETAINER			1									
	450865	SCREW, #8-32X5/16" (12.9065)			1									
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG												
5A,C	5177773	GASKET				1	1	2	1	1				
	5134920	GASKET (4.2489)						1			2	1		
		4.4176 - TUBE, OIL COOLER BY-PASS												
5D	5134052	TUBE (8.80"L.)			1									
5D	5131178 *	TUBE (12 3/4"L.)						1						
5D	5131179 *	TUBE (13 1/2"L.)						1						
	5138303 @	ELBOW ASSY., 1"-90 DEG. TUBE SEALASTIC (12.9425)						2						
	5138310 @	CONNECTION ASSY. 1" TUBE SEALASTIC (12.9415)						2						
	5176536	SEAL RING, 1" TUBE SEALASTIC (12.9435)						2						
		* NOT SERVICED. REPLACE WITH 5199722 BULK HOSE AND 2-5199727 FITTINGS												
		@ INCLUDES SEAL RING IN 4.4176 PLUS NUT NOT SOLD SEPARATELY.												
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE												
5D	5124859	FLANGE			2									
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)			2									
	186658	BOLT, 3/8"-16X5 1/2" (12.9001)			2									

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	537	539	542	546	547	549	551	555	570	571	573
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)			4									
		4.4178 - GASKET, OIL COOLER BY-PASS TUBE FLANGE												
5D	5124798	GASKET			3									
5D	5193598	SEAL RING (5.6176)			2									
		4.4182 - COVER, COOLER BY-PASS HOLE												
5D	5133837	COVER			2									
5D	186282	BOLT, 3/8"-16X3 1/4" (12.9001)			4									
5D	103321	LOCKWASHER, 3/8" (12.9200)			AR									
		4.4184 - GASKET, COOLER BY-PASS HOLE COVER												
5D	5124798	GASKET			2									
		4.4211 - CONNECTION, OIL COOLER WATER INLET												
	5108224	ELBOW (4.4220)							1					
	5126057	ELBOW (HOUSING) (FRONT)						1						
	5127462	ELBOW (REAR)						1						
	5122422	ELBOW				1	1			1				
•	5127646	TUBE (DEV. L. 26.62") (4.4213)						1						
	103647	DRAINCOCK, 1/4" (12.9510)						1	1	1				
	5136693	BRACKET						1						
	180121	BOLT, 3/8"-16X7/8" (12.9001)						4						
	179839	BOLT, 3/8"-16X1" (12.9001)						4						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				4	4		4	4				
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)						2						
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR	AR	AR	AR				
		* FIG. 13D OF 1.0000.												
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION												
5C	5117317	GASKET				1	1	2	1	1				
	5140831	SEAL RING (4.1730)									4	4		
		4.4213 - HOSE, OIL COOLER WATER INLET												
5C,E	5199780 *	HOSE, 2 3/8"I.D.X2 3/4"L. (5.3365)			1									
	5136037	HOSE, 2 1/2"X3 1/4"L.						1						
5C,E	5147744	HOSE, 2 7/8"I.D.X2 1/4"L. (TO WATER				1	1			1	1	1		

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	537	539	542	546	547	549	551	555	570	571	573
		4.4213 - HOSE, OIL COOLER WATER INLET (CONT'D)												
		PUMP)												
	5141195	HOSE, 2 7/8"I.D.X2.76"L.							1					
	5143360	HOSE, 3 1/4"X3"L.									2	2		
5C	5136038	HOSE, 3 1/2"X4 1/2"L.						2						
		* STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.												
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE												
5C,E	9139809	CLAMP, 2 9/16"-3" RANGE (12.9660)			2									
	5135647	CLAMP, 2 3/4"-3" (12.9660)						2						
5C	5188036	CLAMP, 2 9/16"-3 1/2" (12.9660)				2	2		2	2	2	2		
	5108560	CLAMP, 3 5/8" (6.2090)						2						
	5136306	CLAMP, 3 7/8"X4 3/16" (12.9660)						2						
	9139813	CLAMP, 4" (3.5400)									4	4		
		4.4220 - ELBOW, OIL COOLER WATER (OUTLET-INLET)												
5C	5129834	ELBOW (OUTLET)						1						
	5127904	ELBOW (INLET)			1									
	5129835	ELBOW (OUTLET)						1						
	5100906	ELBOW (INLET)									1	1		
	5100892	ELBOW (OUTLET) (ALUM.)									1	1		
	5100891	ELBOW									1	1		
	5142549	PLUG, 3/4" PIPE (12.9550)				1	1	1						
	5141792	PIPE (OUTLET) (ALUM.)									1			
	5141780	PIPE (OUTLET) (ALUM.)										1		
	5120494	STUD, 3/8"-16-24X1 15/16"									4	4		
5C	179839	BOLT, 3/8"-16X1" (12.9001)				4	4	4	4	4				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			4						4	4		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)									2	2		
	5152148	WASHER, 3/8" FLAT (COPPER) (2.4050)				2	2	2	2	2	2	2		
	103341	WASHER, 3/8" FLAT (12.9190)									4	4		
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR	AR	AR	AR	AR	AR		
	103026	NUT, 3/8"-24 HEX. (12.9120)						4						
	125913	NUT, 3/8"-24 HEX. (12.9120)									4	4		
		4.4230 - GASKET, OIL COOLER WATER ELBOW												
5C	5117254	GASKET				1	1	1	1	1	1	1		
5C,D	5124822	GASKET (4.4212)			1						1	1		
5C	5117734	GASKET (1.1070)						1						
5C	5100907	GASKET									1	1		

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	537	539	542	546	547	549	551	556	570	571	573
		4.4240 - HOSE, OIL COOLER WATER OUTLET												
	5163930	HOSE, 1 1/2"X2.766"									1	1		
5C,E	**5102098**	SEAL (3.60" O.D. X 5/8 W.)			1	1	1	2	1	1				
		4.4242 - FLANGE, OIL COOLER WATER OUTLET												
5E	**5124884**	FLANGE (4.4320)			1									
	124595	NUT, 3/8"-24 HEX. (12.9120)			2									
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE												
	5117254	GASKET (4.4230)			1									
	5143173	GASKET (4.4200)									2	2		
	5133724	GASKET (4.4178)									2	2		
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE												
5C,E	**5143999**	CLAMP, 4" HOSE (3.5420)			1	1	1	2	1	1				
	2337379	CLAMP, 1 1/2" HOSE (12.9660)									1	1		
		4.4328 - BLOCK, OIL COOLER OIL JUNCTION												
	5136519	BLOCK, JUNCTION			1									
5E	**5136701**	GASKET			1									
	179839	BOLT, 3/8"-16X1" (12.9001)			7									
	103321	LOCKWASHER, 3/8" (12.9200)			7									
		4.4330 - HOSE, MARINE GEAR OIL OUTLET												
5J	**5125788**	* HOSE, FLEX. (23 1/2"L.) (GEAR TO PUMP)												1
5J	**5177502**	@ HOSE, FLEX. (28 1/2"L.) (GEAR TO PUMP)												1
5J	**5136035**	* HOSE, FLEX. (24"L.) (GEAR TO PUMP)											1	
5J	**5136036**	@ HOSE, FLEX. (29"L.) (GEAR TO PUMP)											1	
5J	**5126739**	HOSE, FLEX. (34"L.) (PUMP TO FILTER)												1
5J	**5177665**	HOSE, FLEX. (56 1/4"L.) (8.3800)	1	1										
5J	**5112499**	HOSE, FLEX. (80"L.) (COOLER TO SEL. VALVE) (9.1587)												1
5J	**109429**	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)												3
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9510)												1
	140798	ELBOW, 3/4"-45 DEG. STREET (12.9590)		1										

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	537	539	542	546	547	549	551	555	570	571	573
		4.4330 - HOSE, MARINE GEAR OIL OUTLET (CONT'D)												
5J	**5176705**	ELBOW, 3/4"-90 DEG. (8.3800)	1	1										
5J	**108687**	ELBOW, 1"-45 DEG. STREET (12.9590)												1
5J	**144116**	ELBOW, 1"-90 DEG. STREET (12.9590)												1
5J	**5183079**	CONNECTOR, 1" TUBE, 1 5/16"X1" (9.1720)												1
		* THRU 6VA-50621, 8VA-81196.												
		@ EFFECTIVE WITH 6VA-50622, 8VA-81197.												
		4.4335 - HOSE, MARINE GEAR OIL INLET												
5J	**5177665**	HOSE, FLEX. (56 1/4"L.) (8.3800)		1										
5J	**5184080**	HOSE, FLEX. (76 1/2"L.) (8.3800)	1											
5J	**5112499**	HOSE, FLEX. (80"L.) (FILTER TO COOLER) (9.1587)												1
5J	**108686**	ELBOW, 1/2"-90 DEG. STREET (12.9590)												1
5J	**109429**	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)												1
	110289	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)	1	1										
	119095	ELBOW, 3/4"-45 DEG. STREET (12.9590)	1											
	141621	ELBOW, 3/4"-90 DEG. STREET (12.9590)		1										
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)	1	1										1
		4.4345 - CLIP, MARINE GEAR OIL LINES												
5J	**5151189**	CLIP, 3/4" (4.8040)												5
5J	**5177001**	CLIP, 7/8" (8.3801)	2	2										
5J	**5109000**	BRACKET, CLIP (4.6040)												1
5J	**5127861**	BRACKET, CLIP (7.1587)												1
5J	**5123776**	BRACKET, CLIP	1											
5J	**5182359**	BRACKET, CLIP		1										
5J	**5160629**	SPACER, 13/32"X7/32"												1
5J	**179839**	BOLT, 3/8"-16X1" (12.9001)												3
5J	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)												1
	186627	BOLT, 3/8"-24X1" (12.9001)	1	1										
	103341	WASHER, 3/8" (12.9190)	1	1										
	103321	LOCKWASHER, 3/8" (12.9200)	1	1										2
	102635	NUT, 3/8"-16 HEX. (12.9120)												2
	117049	NUT, 3/8"-24 HEX. (12.9120)	1	1										

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 583	584	589	590	591	592	593	595	596	607	612	613
		4.4001 - CORE, OIL COOLER-ENGINE												
5B,C	**8514600**	* CORE ASSY. (12 PLATE) (8545373)		1			1							
5B,C	**8531655**	CORE ASSY. (16 PLATE)			1									
5B,C	**8547561**	CORE ASSY. (24 PLATE)				1								
5B,C	**8536502**	CORE ASSY. (12 PLATE)								1	1			
5B,C	**8539503**	CORE ASSY. (24 PLATE) (REAR)				1					1		1	
5B,C	**8534719**	CORE ASSY. (8 PLATE)						1						
5B,C	**8530017**	CORE ASSY. (24 PLATE)								1		1		
5B,C	**8528942**	CORE ASSY. (12 PLATE)										1	1	
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9590) (12.9390)						2						
	8925074	ELBOW, 3/4"-90 DEG. FL. TUBE (12.9390)							1					
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)						2	2					
	116487	CONNECTOR, 5/8"X1/2" TUBE (12.9380)						2						
	179816	BOLT, 5/16"-18X3/4" (12.9001)						8						
	122017	BOLT, 5/16"-18X1" (12.9001)			2									
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)					8							
	446202	WASHER, 5/16" (12.9190)			2									
	103320	LOCKWASHER, 5/16" (12.9200)					8	8						
		* NOT SERVICED. USE PART NUMBER SHOWN IN PARENTHESIS.												
		4.4002 - CORE, OIL COOLER-MARINE GEAR												
	5126125	CORE ASSY. (REMOTE MOUNTED)												1
		4.4030 - GASKET, OIL COOLER CORE-INNER												
5A	**5150155**	GASKET		1	1		1			1	1	1	1	
5C	**5117280**	GASKET				1				3	3	3	3	
5C	**5117404**	GASKET (CORE TO HOUSING) (4.4115)												
5C	**8926782**	GASKET (CORE TO HOUSING)				3								
5A	**5144703**	GASKET (CORE TO H.E. TANK)						1						
		4.4040 - GASKET, OIL COOLER CORE-OUTER												
5A	**5102506**	GASKET		1			1							
5C	**5122835**	GASKET			1									
		4.4050 - HOUSING, OIL COOLER-ENGINE												
5C	**5123390**	HOUSING, OIL COOLER		1										
5C	**5122832**	HOUSING, OIL COOLER			1									
5C	**5122716**	HOUSING, OIL COOLER				1				1	1	1	1	
	8924140	DRAINCOCK, 1/4" (12.9510)				1				1	1	1	1	
	5142549	PLUG, 3/4" PIPE (12.9550)				1				1	1	1	1	
	5176829	STUD, 7/16"-14-20X1 3/4" (1.3160)		2										
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)			10									

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5833	5834	5839	5901	5912	5933	5956	6007	6123	6133
		4.4050 - HOUSING, OIL COOLER (CONT'D)										
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)		8								
	103320	LOCKWASHER, 5/16" (12.9200)		8	10							
	103322	LOCKWASHER, 7/16" (12.9200)		2								
	456939	NUT, 7/16"-20 HEX. (12.9120)		2								
		4.4060 - COVER, OIL COOLER HOUSING										
10B	5142008	COVER (FRONT)				1			1	1		1
10B	5123283	COVER (REAR)				1				1		1
10B	5167775	COVER (MARINE GEAR)					1					
	5117553	COVER (REAR)							1			
10B	5127626	COVER (FRONT)								1		
	5123902	COVER (FRONT)									1	
	5103185	PLUG, 1" PIPE (12.9550)									2	
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)				1			1	1	1	1
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)					8					
	189299	BOLT, 5/16"-18X4 1/2" (12.9001)							3			
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)				3						
	186274	BOLT, 5/16"-18X5" (12.9001)				9			17	18	35	18
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)							3	2		2
	446202	WASHER, 5/16" (12.9190)				AR			AR	AR	AR	AR
	103320	LOCKWASHER, 5/16" (12.9200)				AR			AR	AR	AR	AR
		4.4061 - GASKET, OIL COOLER HOUSING COVER										
5C	5144293	* GASKET (FRONT)				1			1	1		1
	5124494	GASKET (REAR)				1					1	1
	5124085	GASKET (REAR)							1			
5C	5187312	GASKET (REAR)								1		
	5124439	GASKET (FRONT)									1	
		* OBSOLETE.										
		4.4110 - ADAPTOR ASSY., OIL COOLER										
	5123393	ADAPTOR		1								
5C	5122831	ADAPTOR			1							
	5126258	ADAPTOR (FRONT)				1			1	1	1	1
	5117057	ADAPTOR (REAR)				1			1	1	1	1
	5123882	ADAPTOR (MARINE GEAR)					1					
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)				1			1	1	1	1
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)					2					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		5	6							
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				3			3	3	3	3
	138244	BOLT, 3/8"-16X1 1/2" (12.9001)				1			1	1	1	1
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)				5			5	5	5	5
	120394	WASHER, 13/32" FLAT (12.9190)				2			2	2	5	2

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 583	584	589	590	591	592	593	595	596	607	612	613
		4.4110 - ADAPTOR ASSY., OIL COOLER (CONT'D)												
	103320	LOCKWASHER, 5/16" (12.9200)				AR	AR			AR	AR	AR	AR	
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR				AR	AR	AR	AR	
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
5A,C	5117535	GASKET (4.4117)		2	2	2				2	2	2	2	
	5175882	GASKET			2									
	5159430	GASKET					1							
	5126323	SHIM (.012")		1										
5A,C	5126280	SPACER (8.20"L.)				3				3	3	3	3	
		4.4140 - VALVE, OIL COOLER BY-PASS												
5A,C	5177777	VALVE			1	1				1	1	1	1	
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE												
5A,C	5177778	SPRING			1	1				1	1	1	1	
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE												
5A,C	5177772	PLUG			1	1				1	1	1	1	
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG												
5A,C	5177773	GASKET			1	1				1	1	1	1	
		4.4211 - CONNECTION, OIL COOLER WATER INLET												
5C	5129311	ELBOW		1										
5C	5122834	ELBOW			1									
	5122422	ELBOW				1				1	1		1	
	5144562	ELBOW										1		
	5121182	PLUG, 1/4" PIPE (12.9550)			1									
5C	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				4				4	4	4	4	
5C	179858	BOLT, 7/16"-14X1" (12.9001)			2									
5C	103321	LOCKWASHER, 3/8" (12.9200)				4				4	4	4	4	
5C	103322	LOCKWASHER, 7/16" (12.9200)			2									
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION												
5C,D	5129515	GASKET (4.5007)		1	1									
5D	5117317	GASKET				1				1	1	1	1	

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 583	584	589	590	591	592	593	595	596	607	612	613
		4.4213 - HOSE, OIL COOLER WATER INLET												
5C	695615	HOSE (2 3/8"X2 3/4"L.)		1										
5C,D	5117809	@ HOSE (2 3/8"X2 3/4"L.) (5199780)			1									
5C	5147744	HOSE (2 7/8"I.D.X2 1/4"L.)				1				1	1	1	1	
		@ USE PART NUMBER IN PARENTHESES CUT TO DESIRED LENGTH.												
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE												
5C,D	9139809	CLAMP, 2 1/2" (12.9660)		2	2									
5C	5188036	CLAMP, 3" (12.9660)				2				2	2	2	2	
		4.4220 - ELBOW, OIL COOLER WATER OUTLET-INLET												
5C	5137063	ELBOW (OUTLET)			1									
5C	5129834	ELBOW				1				1	1	1	1	
	5142549	PLUG, 3/4" PIPE (12.9550)				1				1		1	1	
5C	179839	BOLT, 3/8"-16X1" (12.9001)								4	4	4	4	
5C	5101377	BOLT, 3/8"-16X1" HEX. W/SEAL SPL. (12.9001)				4								
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			2									
	5152148	WASHER, 3/8" FLAT (COPPER) (2.4050)								2	2	2	2	
	103321	LOCKWASHER, 3/8" (12.9200)			4	4				2	2	2	2	
	117049	NUT, 3/8"-24 HEX. (12.9120)			2									
		4.4230 - GASKET, OIL COOLER WATER ELBOW												
5C,E	5117254	GASKET			1	1				1	1	1	1	
		4.4240 - HOSE, OIL COOLER WATER OUTLET												
5C,E	5144078	SEAL (3 1/2"X5/8")			1	1				1	1	1	1	
		4.4242 - FLANGE, OIL COOLER WATER OUTLET FLANGE												
5E	5125598	* FLANGE (4.4320)		1										
5E	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2										
5E	103321	LOCKWASHER, 3/8" (12.9200)		2										
	117049	NUT, 3/8"-24 HEX. (12.9120)		2										
		* EFFECTIVE WITH 6VA-398, 8VA-306.												
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE												
	5125599	* SEAL RING (4.4325)		1										
		* EFFECTIVE WITH 6VA-398, 8VA-306.												

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 583	584	589	590	591	592	593	595	596	607	612	613
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE												
5C,E	**5143999**	CLAMP, 3 1/2"			1	1				1	1	1	1	
		4.4330 - HOSE, MARINE GEAR OIL OUTLET												
5J	**5144728**	HOSE, FLEX. (7/8"X23 1/2"L.) (TEFLON) (TO PUMP) (4.3001)	1											
5J	**5112499**	HOSE, FLEX. (1/2"X80"L.) (FILTER TO COOLER)						1						
5J	**5177502**	HOSE, FLEX. (7/8"X28 1/2") (GEAR TO PUMP)					1							
5J	**5125907**	HOSE, FLEX. (7/8"X30") (GEAR TO PUMP)												1
5J	**2492119**	ELBOW, 3/4"-90 DEG. X1" PIPE	1											
5J	**5176705**	ELBOW, 3/4" TUBE X 3/8" PT. 90 DEG. (8.3800)												1
5J	**108687**	ELBOW, 1"-45 DEG. STREET (12.9590)					1							
5J	**144116**	ELBOW, 1"-90 DEG. STREET (12.9590)					1							
5J	**192652**	ELBOW, 1 1/4"X1"-90 DEG. RED. (12.9600)												1
5J	**5145295**	ADAPTOR, 3/4"X1" PIPE	1											
5J	**5183079**	ADAPTOR, 1" (9.1720)					1							
5J	**5125906**	ADAPTOR, 1" INV. FL. TUBE												1
5J	**219359**	NIPPLE, 1 1/4"X3" PIPE (12.9560)												1
		4.4335 - HOSE, MARINE GEAR OIL INLET												
5J	**5112499**	HOSE, FLEX. (1/2"X80"L.) (COOLER TO SELECTOR VALVE) (9.1587)						1						
		4.4337 - HOSE, MARINE GEAR HYDRAULIC PUMP TO OIL FILTER												
5J	**8921593**	HOSE, FLEX. (#16X14") (TEFLON)	1											
5J	**5136035**	HOSE, FLEX. (1/2"X24"L.)					1		1					
5J	**5113642**	HOSE, FLEX. (5/8"X14 5/32"L.) (4.3001)												1
5J	**9402801**	ELBOW, 5/8"-45 DEG. (12.9600)					1							
5J	**109429**	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)					1							
5J	**2463035**	ELBOW, 3/4"X1" PIPE 45 DEG. (4.4330)	1											
	110289	ELBOW, 3/4"-90 DEG. FL. TUBE (12.9390)							1					2
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)					2		1					
	120062	BUSHING, 1"X1/2" RED. (12.9570)												1
	116487	CONNECTOR, 1/2" (12.9380)							1					
	5145295	ADAPTOR, 3/4"X1" PIPE	1											

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 583	584	589	590	591	592	593	595	596	607	612	613
		4.4338 - HOSE, HYDRAULIC MARINE GEAR OIL FILTER TO COOLER												
5J	5123317	HOSE, FLEX. (13/32"X4"L.) (PUMP TO COOLER) (4.4330)												1
5J	5188697	HOSE, FLEX. (50"L.) (8.3800)					1							
5J	5114051	HOSE, FLEX. (53"L.) (9.1592)							1					
5J	8921595	HOSE, FLEX. (#12X63") (TEFLON)	1											
5J	108686	ELBOW, 1/2"-90 DEG. STREET (12.9590)							2					
5J	2325715	ELBOW, 1/2"-90 DEG. (3.5505)												2
5J	9402801	ELBOW, 5/8"-45 DEG. (12.9600)					1							
5J	9402867	ELBOW, 3/4"-90 DEG. HYDRAULIC FL. TUBE (4.4335)	1											
5J	110289	ELBOW, 3/4"-90 DEG. FL. TUBE (12.9590)							1					
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)							1					
	189885	BUSHING, 1 1/2"X1/2" RED. (12.9570)												2
		4.4340 - TUBE, OIL PRESSURE GAGE												
5J	5144634	HOSE, FLEX. (#4X15 3/4") (TEFLON)	1											
		4.4343 - HOSE, MARINE GEAR COOLER TO SELECTOR VALVE												
5J	5123321	HOSE, FLEX. (13/32"X31"L.)												1
5J	5110516	HOSE, FLEX. (50"L.) (8.3800)					1							
5J	2325715	ELBOW, 1/2"-90 DEG. (3.5505)												1
5J	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)					1							
		4.4345 - CLIP, OIL COOLER LINES												
5J	2476233	CLIP, #12 (TEFLON COATED)	2											
5J	5151189	CLIP (3/4" TUBE X 3/8" BOLT) (4.8040)					6	4						
5J	5128751	CLIP (7/8" TUBE X 5/16" BOLT) (4.8040)							2					
5J	5160742	CLIP (2" TUBE X 1/4" BOLT) (2.5220)												4
5J	5160629	SPACER, 13/32"X7/32" (4.2270)						1						
5J	5118394	BRACKET (7.1587)	1											
5J	5181325	BRACKET (4.8042)					1							
5J	5127861	BRACKET						1						
5J	5109000	BRACKET (4.6040)						1						
5J	5177331	BRACKET							1					
5J	180034	BOLT, 1/4"-20X1 1/2" (12.9001)												2
5J	181596	BOLT, 5/16"-24X7/8" (12.9001)							1					
5J	100014	BOLT, 5/16"-24X1" (12.9001)					1							

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 583	584	589	590	591	592	593	595	596	607	612	613
		4.4345 - CLIP, OIL COOLER LINES (CONT'D)												
5J	**179838**	BOLT, 3/8"-16X7/8" (12.9001)						2						
5J	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)						1						
5J	**186627**	BOLT, 3/8"-24X1" (12.9001)	1											
5J	**103341**	WASHER, 3/8" FLAT (12.9190)	AR											
5J	**103319**	LOCKWASHER, 1/4" (12.9200)												2
5J	**103320**	LOCKWASHER, 5/16" (12.9200)					AR		AR					
5J	**103321**	LOCKWASHER, 3/8" (12.9200)	AR					AR						
	120375	NUT, 1/4"-20 HEX. (12.9120)												2
	144493	NUT, 5/16"-24 HEX. (12.9120)	1				1		1					
	102635	NUT, 3/8"-16 HEX. (12.9120)						2						
	117049	NUT, 3/8"-24 HEX. (12.9120)	1											
		4.4355 - HOSE, MARINE GEAR TO OIL PRESSURE PUMP												
5J	**8921596**	HOSE, FLEX. (#12X83") (TEFLON)	1											
5J	**5114051**	HOSE, FLEX. (53"L.) (9.1592)							1					
5J	**9402867**	ELBOW, 90 DEG. X 3/4" HYDRAULIC FL. *TUBE (4.4335)*	1											
5J	**141621**	ELBOW, 90 DEG. X 3/4" ST. (12.9590)	1											

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6151	6181	6241	6301	6311	6321	6351	6371	6481	6491	6501
		4.4001 - CORE, OIL COOLER											
5B,C	**8514600**	CORE ASSY. (12 PLATE)	1										1
5B,C	**8539503**	CORE ASSY. (24 PLATE) (REAR)			1		2				1	1	
5B,C	**8528942**	CORE ASSY. (12 PLATE)									1	1	
5E	**5146311**	CORE ASSY. (TUBE TYPE)		1									
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9590)						2	2	2			
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)							1	1			
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)						2	2	2			
	116487	CONNECTOR, 5/8"X1/2" TUBE (12.9380)								2			
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)						8	8	8			
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)											8
	179851	BOLT, 3/8"-16X3" (12.9001)		20									
	103320	LOCKWASHER, 5/16" (12.9200)						8	8	8			8
	103321	LOCKWASHER, 3/8" (12.9200)		20									
		4.4002 - CORE, MARINE GEAR OIL COOLER											
5B,C	**8534719**	CORE ASSY. (8 PLATE, IN H.E. TANK)						1	1	1			
		4.4030 - GASKET, OIL COOLER CORE INNER											
5A	**5150155**	GASKET	1										1
5C	**5117280**	GASKET			1		1						
5C	**5117404**	GASKET (REAR & FRONT) (CORE TO HOUSING)			1		3				2	2	
	5124806	GASKET		1									
5A	**5144703**	GASKET (CORE TO H.E. TANK)						1	1	1			
		4.4040 - GASKET, OIL COOLER CORE OUTER											
5A	**5102506**	GASKET	1										1
		4.4050 - HOUSING, OIL COOLER											
5C	**5117690**	HOUSING, OIL COOLER			1								
5C	**5116863**	HOUSING, OIL COOLER					1						
	103647	DRAINCOCK, 1/4" (12.9510)		1	1		1				1		
	5142549	PLUG, 3/4"-14 SOC. HD. TEFLON (12.9550)					2				2		
		4.4060 - COVER, OIL COOLER HOUSING											
10B	**5167775**	COVER (MARINE GEAR)											1
10B	**5127626**	COVER (FRONT)					1				1		
	5123214	COVER (FRONT)	1										

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 615	618	624	630	631	632	635	637	648	649	650
		4.4060 - COVER, OIL COOLER HOUSING (CONT'D)											
5D	**5101270**	COVER (FRONT)		1									
5D	**5101188**	COVER (REAR)		1									
10B	**5101742**	COVER (FRONT)			1								
5D	**5130998**	COVER (REAR) (4.4062)					1				1	2	
	5121182	PLUG, 1/4" PIPE (12.9550)		6									
	5111798	PLUG, 1" PIPE (12.9550)		2									
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)					1				1	1	
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)	8										
	186274	BOLT, 5/16"-18X5" (12.9001)				11					10	15	
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)			12		11				11		
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)					2				2		
	215386	BOLT, 5/16"-18X6" (12.9001)										8	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)		4									
	5155596	WASHER, 21/64"X9/16" COPPER (4.7120)					1				1		
	446202	WASHER, 5/16" (12.9190)		AR			AR				AR	AR	
	103320	LOCKWASHER, 5/16" (12.9200)	AR		AR		AR				AR	AR	
	103321	LOCKWASHER, 3/8" (12.9200)		4									
		4.4061 - GASKET, OIL COOLER HOUSING COVER											
5C	**5187312**	GASKET (REAR)					1				1		
5D	**5126618**	GASKET (REAR)		1									
5C,D	**5130997**	GASKET (REAR)					1				1	2	
5C	**5175846**	GASKET			1								
		4.4085 - BAFFLE, OIL COOLER HOUSING											
	5147389	PLATE, BAFFLE									2	1	
	121804	BOLT, 1/4"-20X7/16" (12.9001)									1	1	
	274856	NUT, 1/4"-20 LOCK (12.9120)									1	1	
		4.4100 - BRACKET, OIL COOLER HOUSING SUPPORT											
	5146063	BRACKET		1									
	5146090	BRACKET		1									
	5164294	SPACER, 13/32"X7/8"X1/8"		3									
	179838	BOLT, 3/8"-16X7/8" (12.9001)		3									
	179839	BOLT, 3/8"-16X1" (12.9001)		3									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		3									
	103321	LOCKWASHER, 3/8" (12.9200)		AR									
		4.4110 - ADAPTOR ASSY., OIL COOLER											
	5126258	ADAPTOR (FRONT)					1					1	
	5117057	ADAPTOR (REAR)					1					1	
	5123882	ADAPTOR (MARINE GEAR)											1

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 615	618	624	630	631	632	635	637	648	649	650
		4.4110 - ADAPTOR, OIL COOLER (CONT'D)											
	5117680	ADAPTOR			1								
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)					1					1	
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)											2
	179839	BOLT, 3/8"-16X1" (12.9001)			2								
	138243	BOLT, 3/8"-16X1 1/4" (12.9001)			4								
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					3					3	
	138244	BOLT, 3/8"-16X1 1/2" (12.9001)					1					1	
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)					5					5	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			1								
	120394	WASHER, 13/32" FLAT (12.9190)					5					5	
	103320	LOCKWASHER, 5/16" (12.9200)			AR		AR					AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)			AR		AR					AR	
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK											
5A,C	**5117535**	GASKET (4.4117)		2	2		2					2	
	5159430	GASKET											1
5A,C	**5126280**	SPACER (8.20"L.)			3		3					3	
		4.4130 - HOUSING, OIL COOLER BYPASS											
	5133978	HOUSING		1									
		4.4140 - VALVE, OIL COOLER BYPASS											
5A,C	**5177777**	VALVE			1		1				1	1	
	5133431	VALVE		1									
		4.4150 - SPRING, OIL COOLER BYPASS VALVE											
5A,C	**5177778**	SPRING			1		1				1	1	
	5107189	SPRING (4.2486)		1									
		4.4160 - PLUG, OIL COOLER BYPASS VALVE											
5A,C	**5177772**	PLUG			1		1				1	1	
	5134456	RETAINER		1									
	160221	SCREW, #12-24X1/2" (12.9026)		1									
		4.4170 - GASKET, OIL COOLER BYPASS VALVE PLUG											
5A,C	**5177773**	GASKET			1		1				1	1	

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 615	618	624	630	631	632	635	637	648	649	650
		4.4176 - TUBE, OIL COOLER BY-PASS											
5D	**5146327**	TUBE (5.80"L.)		1									
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE											
5D	**5124859**	FLANGE		2									
5D	**192883**	BOLT, 3/8"-16X5 1/4" (12.9001)		2									
5D	**186283**	BOLT, 3/8"-16X3 1/2" (12.9001)		2									
5D	**103321**	LOCKWASHER, 3/8" (12.9200)		4									
		4.4178 - GASKET, OIL COOLER BY-PASS TUBE FLANGE											
5D	**5124798**	GASKET (FLANGE) (4.7184)		3									
5D	**5193598**	SEAL RING (5.6176)		2									
		4.4182 - COVER, OIL COOLER BY-PASS HOLE											
5D	**5133837**	COVER		1									
5D	**186282**	BOLT, 3/8"-16X3 1/4" (12.9001)		4									
5D	**103321**	LOCKWASHER, 3/8" (12.9200)		4									
		4.4184 - GASKET, OIL COOLER BY-PASS HOLE COVER											
5D	**5124798**	GASKET		2									
		4.4211 - CONNECTION, OIL COOLER WATER INLET											
5C,D	**5127904**	ELBOW		1									
5C,D	**5124468**	ELBOW			1		1				1	1	
	5115214	PLUG, 1/2"-14 (12.9550)			1		1				1	1	
5C	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)		4	4		4				4	4	
5C	**103321**	LOCKWASHER, 3/8" (12.9200)		4	4		4				4	4	
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION											
5D	**5117317**	GASKET			1		1				1	1	
5C,D	**5124822**	GASKET		1									
		4.4213 - HOSE, OIL COOLER WATER INLET											
5C,D	**5117809** @	HOSE (2 3/8"X2 3/4"L.) (5199780)		1	1		1				1	1	

@ USE PART NUMBER IN PARENTHESES CUT TO DESIRED LENGTH.

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 615	618	624	630	631	632	635	637	648	649	650
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE											
5C,D	9139809	CLAMP, 2 1/2" (12.9660)		2	2		2				2	2	
5C,D	5143999	CLAMP, 3 1/2" (4.4250)					1				1	1	
		4.4220 - ELBOW, OIL COOLER WATER OUTLET-INLET											
5C	5129834	ELBOW			1		1				1	1	
	5142549	PLUG, 3/4" PIPE (12.9550)									1	1	
5C	179839	BOLT, 3/8"-16X1" (12.9001)		2	2		2					4	
	5152148	WASHER, 3/8" FLAT (COPPER) (2.4050)									2	2	
	103321	LOCKWASHER, 3/8" (12.9200)		2	4		4				2	2	
	117049	NUT, 3/8"-24 HEX. (12.9120)		2	2		2						
		4.4230 - GASKET, OIL COOLER WATER ELBOW											
5C,E	5117254	GASKET		1	1		1				1	1	
		4.4240 - HOSE, OIL COOLER WATER OUTLET											
5C,E	5102098	SEAL (3 1/2"X5/8")		1	1		1				1	1	
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE											
5C,E	5143999	CLAMP, 3 1/2"		1	1							1	
		4.4328 - BLOCK, OIL COOLER OIL JUNCTION											
	5136519	BLOCK (JUNCTION)		1									
5F	5136701	GASKET		1									
	179839	BOLT, 3/8"-16X1" (12.9001)		7									
	103321	LOCKWASHER, 3/8" (12.9200)		7									
		4.4330 - HOSE, MARINE GEAR OIL OUTLET											
5J	5112499	HOSE, FLEX. (1/2"X80"L.) (FILTER TO COOLER)							1				
5J	5138231	HOSE, FLEX. (7/8"X97")				1							
5J	5144723	HOSE ASSY. (1/2"X28 3/8") (PUMP TO FILTER)	1										
5J	109429	ELBOW, 1/2"-90 DEG. (3.5505)	2										
5J	5125906	ADAPTOR, 1" INV. FL. TUBE				2							
5J	144034	BUSHING, 3/4"X1/2" RED. (12.9570)	2			2							

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 615	618	624	630	631	632	635	637	648	649	650
		4.4335 - HOSE, MARINE GEAR OIL INLET											
5J	5144668	* HOSE, FLEX. (7/8"X79.84"L.)				1							
5J	141621	ELBOW, 3/4"-90 DEG. STREET (12.9590)				1							
5J	5125906	ADAPTOR, 1" INV. FL. TUBE (4.4330)				2							
		* NOT SERVICED USE BULK HOSE 5199722 PLUS (1) EACH OF 5199727, 5199729.											
		4.4337 - HOSE, MARINE GEAR HYDRAULIC PUMP TO OIL FILTER											
5J	5136036	* HOSE, FLEX. (1/2"X29"L.)											1
5J	5126739	HOSE, FLEX. (1/2"X34"L.)						1	1				
5J	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)											1
5J	9402801	ELBOW, 5/8"-45 DEG. (12.9600)						1					1
5J	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)						1					2
5J	144034	BUSHING, 3/4"X1/2" RED. (12.9570)											2
		* OBSOLETE.											
		4.4338 - HOSE, HYDRAULIC MARINE GEAR OIL FILTER TO COOLER											
5J	5114051	HOSE, FLEX. (53"L.) (9.1592)											1
5J	5147653	HOSE (1/2"X64 13/16"L.) (TEFLON)	1										
5J	5112499	HOSE, FLEX. (1/2"X80"L.) (9.1587)						1	1	1			
5J	109429	ELBOW, 1/2"-90 DEG. (3.5505)	1					1	1				
5J	9402801	ELBOW, 5/8"-45 DEG. (12.9600)							1				
		4.4340 - TUBE, OIL PRESSURE GAGE											
5J	5144634	HOSE, FLEX. (#4X15 3/4") (TEFLON)	1										
		4.4343 - HOSE, MARINE GEAR COOLER TO SELECTOR VALVE											
5J	5144634	HOSE, FLEX. (#4X15 3/4"L.) (TEFLON) (4.4340)	1										
5J	5114051	HOSE, FLEX. (53"L.) (9.1592)											1
5J	5112499	HOSE, FLEX. (1/2"X80"L.) (9.1587)						1		1			
5J	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)						1					1
	5134145	ELBOW (9.1595)	1										
	5170894	*DEFLECTOR*	1										
	5170895	GASKET (9.1610)	2										
	179839	BOLT, 3/8"-16X1" (12.9001)	4										
	103321	LOCKWASHER, 3/8" (12.9200)	4										
		4.4345 - CLIP, OIL COOLER LINES											
5J	2476233	CLIP, #12 (TEFLON COATED)	4										
5J	5151189	CLIP (3/4" TUBE X 3/8" BOLT) (4.8040)						6	4	4			4

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6155	6158	6244	6330	6331	6332	6335	6337	6348	6349	6350
		4.4345 - CLIP, OIL COOLER LINES (CONT'D)											
		(4.8040)											
5J	**5187661**	CLIP (1 1/4") (4.8183)				9							
5J	**5160629**	SPACER, 13/32"X7/32" (4.2270)						1	1	1			
5J	**5130179**	SPACER (12.5023)	1										1
5J	**5111462**	SPACER, 3/4"X11/32"X1 11/16"				1							
5J	**5127861**	BRACKET						1	1	1			
5J	**5109000**	BRACKET (4.6040)						1	1	1			
5J	**5114541**	BRACKET (7.1585)	1										1
5J	**5166565**	BRACKET, CLIP (9.1591)	1										1
5J	**272545**	BOLT, 5/16"-18X5 1/4" (12.9001)				2							
5J	**179837**	BOLT, 3/8"-16X3/4" (12.9001)				1							
5J	**179838**	BOLT, 3/8"-16X7/8" (12.9001)				2				2			
5J	**179839**	BOLT, 3/8"-16X1" (12.9001)	1					1	1				1
5J	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)						1	1	1			
5J	**179848**	BOLT, 3/8"-16X2 1/4" (12.9001)				1							
5J	**186627**	BOLT, 3/8"-24X1" (12.9001)	2										2
	120393	WASHER, 5/16" FLAT (12.9190)				2							
	103341	WASHER, 3/8" FLAT (12.9190)				AR							
	103320	LOCKWASHER, 5/16" (12.9200)				AR							
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR		AR	AR	AR			AR
	102635	NUT, 3/8"-16 HEX. (12.9120)						2	2	2			
	117049	NUT, 3/8"-24 HEX. (12.9120)	2										2
		4.4355 - HOSE, MARINE GEAR TO OIL PRESSURE PUMP											
5J	**5177502**	HOSE, FLEX. (7/8"X28 1/2"L.) (9.1730)						1	1				
5J	**108687**	ELBOW, 90 DEG. X 1" STREET						1	1				
5J	**144116**	ELBOW, 45 DEG. X 1" STREET						1	1				
5J	**5183079**	CONNECTOR, 1" TUBE-1 5/16"X1" PIPE (9.1720)						1	1				
		4.4365 - FILTER ASSY., MARINE GEAR OIL											
5J	**5129129**	* FILTER ASSY.						1	1				1
	5575213	+ DECAL (4.2280)						1	1				1
5J	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)						4	4				4
	103321	LOCKWASHER, 3/8" (12.9200)						4	4				4
		* SEE PAGE B1 OF 9.1000A OF ASSEMBLY BREAKDOWN.											
		+ OBSOLETE.											
		4.4367 - BRACKET, OIL FILTER MOUNTING											
5J	**5122379**	BRACKET						1					
5J	**5128606**	BRACKET (8.1793)							1				
5J	**5144219**	+ BRACKET (9.1793)											1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 615	618	624	630	631	632	635	637	648	649	650
		4.4367 - BRACKET, OIL FILTER MOUNTING (CONT'D)											
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)											3
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)						3					
	428211	BOLT, 5/8"-11X1 1/4" (12.9001)							2				
	103321	LOCKWASHER, 3/8" (12.9200)											3
	103325	LOCKWASHER, 5/8" (12.9200)							2				
		+ OBSOLETE.											

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6544	6633	6644	6666	6722	6733	6777	6891	7044	7110	7115	7311
		4.4001 - CORE, OIL COOLER-ENGINE												
5A	**8534719**	CORE ASSY. (8 PLATE)	1											
5C	**8539503**	CORE ASSY. (24 PLATE)		2	2	1	2			2		1	1	
5C	**8547561**	CORE ASSY. (24 PLATE)										1		
5C	**8536502**	CORE ASSY. (12 PLATE)							1					
5C	**8534711**	CORE ASSY. (12 PLATE)											1	
5D	**5149054**	COOLER ASSY. (TUBE TYPE) (T/C AND ENG.)												1
5D	**5149052**	TUBE BUNDLE, UPPER												1
5D	**5149053**	TUBE BUNDLE, LOWER												1
5D	**5108071**	RING, "O"												2
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9590)	2											
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	8											
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)			8									
	103320	LOCKWASHER, 5/16" (12.9200)	8		8									
		4.4003 - SHELL ASSY., OIL COOLER TUBE TYPE												
	5149077	SHELL ASSY.												1
		4.4005 - COOLER ASSY., OIL COOLER												
	5143216	COOLER ASSY. (MODINE) (ENGINE OIL)									2			
	103175	STUD, 5/16"X1 1/2" (12.9117)									12			
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)									22			
	120393	WASHER, 5/16" FLAT (12.9190)									36			
	103320	LOCKWASHER, 5/16" (12.9200)									36			
	114493	NUT, 5/16"-24 (12.9120)									36			
		4.4030 - GASKET, OIL COOLER CORE-INNER												
	5144703	GASKET (CORE TO H.E. TANK)	1											
5C	**5117280**	GASKET		2	2	1	2		1	2		1	1	
5C	**5117404**	GASKET (CORE TO HOUSING) (4.4115)			2	3	2		1				1	
5C	**8926782**	GASKET (CORE TO HOUSING)										3		
	5133369	GASKET									1			
	5133727	GASKET									1			
	5117535	GASKET (4.4117)												2
	5124806	GASKET												1
		4.4040 - GASKET, OIL COOLER CORE-OUTER												
5C	**5117404**	GASKET		2					2	2				
		4.4050 - HOUSING, OIL COOLER-ENGINE												
5C	**5126628**	HOUSING		2	2		2			2				
5C	**5122716**	HOUSING				1			1			1		
5C	**5143358**	HOUSING									1			

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6544	6633	6644	6666	6722	6733	6777	6911	7044	7110	7115	7331
		4.4050 - HOUSING, OIL COOLER (CONT'D)												
5C	5116863	HOUSING											1	
	103647	DRAINCOCK, 1/4" (12.9510)				1			1			1	1	
	118536	DRAINCOCK, 3/8" (12.9510)									1			
	5142549	PLUG, 3/4" PIPE (12.9550)				2			2			2	1	
	142269	BUSHING, 1/2"X3" (RED.) (12.9570)									1			
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)									2			
	9413341	BOLT, 3/8"-16X7" (12.9001)									4			
	103341	WASHER, 3/8" FLAT (12.9190)									4			
	103321	LOCKWASHER, 3/8" (12.9200)									4			
		4.4060 - COVER, OIL COOLER HOUSING												
5C	5130998	COVER (REAR)		1	1									
5C	5131176	COVER (FRONT)		1	1									
	5128202	COVER (FRONT)				1								
10B	5144151	COVER (REAR)				1								
	5123283	COVER (REAR)							1			1	1	
	5142008	COVER (FRONT)							1			1		
	5101270	COVER (FRONT)												1
	5101188	COVER (REAR)												1
	5121182	PLUG, 1/4" PIPE (12.9550)												AR
	5142549	PLUG, 3/4" PIPE (12.9550)		1										
	5111798	PLUG, 1" PIPE (12.9550)				2								AR
	103870	PLUG, 1" PIPE (12.9550)											2	
	5125300	PLATE (FRONT COVER)												1
	5126321	GASKET (FRONT COVER PLATE)												1
	186629	BOLT, 5/16"-18X1" (12.9001)											1	
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)				1			1					
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)		1										
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)										3	11	
	186274	BOLT, 5/16"-18X5" (12.9001)				12			9			18	9	
5C	148372	BOLT, 5/16"-18X5 1/8" (12.9001)		16	16									
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)				11						2		
	215404	BOLT, 5/16"-18X5 1/2" (12.9001)							2					
5C	215386	BOLT, 5/16"-18X6" (12.9001)		5	5									
	216858	BOLT, 5/16"-18X9" (12.9001)		1										
	179839	BOLT, 3/8"-16X1" (12.9001)							2					
	179851	BOLT, 3/8"-16X3" (12.9001)												20
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)												4
	446202	WASHER, 5/16" (12.9190)			AR	AR			AR				AR	
	5152148	WASHER, 3/8"X9/16" (2.4050)							AR			AR		
	103320	LOCKWASHER, 5/16" (12.9200)		AR	AR	AR			AR			AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)												4
		4.4061 - GASKET, OIL COOLER HOUSING COVER												
5C	5130997	GASKET (4.4060)		2	2									
	5187312	GASKET (4.2350)		2	2		2							
	5117785	GASKET (4.4040)				1								

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6544	6643	6664	6666	6672	6673	6677	6691	7004	7110	7115	7311
		4.4061 - GASKET, OIL COOLER HOUSING COVER (CONT'D)												
	5175846	GASKET (COVER TO CORE) (4.4040)				1								
	5124494	GASKET (REAR) (4.4040)							1			1	1	
	8290528	GASKET (FRONT) (4.4060)							1			1		
	5126618	GASKET (4.4060)												1
		4.4085 - BAFFLE, OIL COOLER HOUSING												
	5147389	PLATE, BAFFLE				1								
	121804	BOLT, 1/4"-20X7/16" (12.9001)				1								
	274856	NUT, 1/4"-20 LOCK (12.9120)				1								
		4.4110 - ADAPTOR ASSY., OIL COOLER												
5C	5126259	ADAPTOR (FRONT)		1	1		1							
5C	5126257	ADAPTOR (REAR)		1	1		1			1		1	1	
	5126258	ADAPTOR (FRONT)				1			1					
	5124636	ADAPTOR (REAR)				1								
	5117057	ADAPTOR (REAR)							1			1	1	
	5107639	ADAPTOR									1			
	5141781	* TUBE ASSY. (ALUM.)									1			
	5100883	TUBE ASSY. (ALUM.)									1			
	5142549	PLUG, 3/4" PIPE (12.9550)									1			
	103175	STUD, 5/16"-18-24X1 1/2" (12.9117)									18			
	5119631	STUD, 1/2"-20X2 1/4" (6.1020)									8			
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)				1			1			1	1	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				2								
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)		10	10		10		3	10		3	3	
	138244	BOLT, 3/8"-16X1 1/2" (12.9001)		2	2	1	2		1	2		1	1	
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)										5	5	
	179847	BOLT, 3/8"-16X2" (12.9001)									4			
	9413341	BOLT, 3/8"-16X7 1/4" (12.9001)									4			
	120393	WASHER, 5/16" FLAT (12.9190)									AR			
	120394	WASHER, 3/8" CAD. PL. (12.9190)				AR			AR	AR		AR	AR	
	103341	WASHER, 3/8" FLAT (12.9190)									AR			
	5152148	WASHER, 3/8" (2.4060)									AR			
	120394	WASHER, 13/32" (12.9190)		4										
	103320	LOCKWASHER, 5/16" (12.9200)				AR		AR	AR		AR	AR	AR	
	103321	LOCKWASHER, 3/8" (12.9200)			12	AR	AR		AR	AR	AR	AR		
	114493	NUT, 5/16"-24 HEX. (12.9120)									AR			
		* OBSOLETE.												
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
5C	5117535	GASKET (4.4117)		4		2	4		2	4		2	2	2
	5146532	GASKET (4.4060)									1			
	5133724	GASKET (TUBE ASSY. TO ADAPTOR)									2			

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6544	6663	6664	6666	6722	6733	6777	6911	7044	7110	7115	7311
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK (CONT'D)												
5C	5126280	SPACER (8.20"L.)		2	2	2	2		3	2		3	3	
		4.4116 - COVER, OIL COOLER ADAPTOR												
	5130374	COVER (PLATE)				1								
	186625	BOLT, 5/16"-18X7/8" (12.9001)				2								
	103320	LOCKWASHER, 5/16" (12.9200)				2								
		4.4117 - GASKET, OIL COOLER ADAPTOR COVER												
	5117711	GASKET				1								
		4.4140 - VALVE, OIL COOLER BY-PASS												
5C	5136358	VALVE		1	1						2			
5C	5177777	VALVE		2	2	1	2		1	2		1	1	
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE												
5C	5177778	SPRING		2	2	1	2		1	2		1	1	
5C	5134911	SPRING		1	1						2			
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE												
5C	5134807	PLUG		1	1						2			
5C	5127797	PLUG		2	2		2			2			1	
5A,C	5177772	PLUG				1			1			1		
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG												
5C	5134920	GASKET		1	1						2			
5C	5177773	GASKET		2	2	1	2		1	2		1	1	
		4.4176 - TUBE, OIL COOLER BY-PASS												
	5124856	TUBE (10.50"L., 1 3/8"O.D.) (STEEL)												1
	5199722	HOSE, FLEX. #16X13.18"L. (12.8552)		2	2									
	5199727	FITTING, 1 5/16"-12 STRAIGHT SWIVEL (12.8550)		1	1									
	5199731	FITTING, 1 5/16"-12 45 DEG. ELBOW		1	1									

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 654	663	664	666	672	673	677	691	704	710	715	731
		4.4176 - TUBE, OIL COOLER BY-PASS (CONT'D)												
		(12.8552)												
	108687	ELBOW, 1"-90 DEG. ST. (12.9590)		2	2									
	9402713	CONNECTOR, 1" PIPE X 1" FL. TUBE (12.9380)		4	4									
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE												
	5124859	FLANGE												1
	5135863	ADAPTOR		1	1									
	179830	BOLT, 5/16"-18X3" (12.9001)		1										
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)			1									
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)		1	1									
	216858	BOLT, 5/16"-18X9" (12.9001)		2	2									
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)												2
	446202	WASHER, 5/16" COPPER (12.9190)		1	1									
	103320	LOCKWASHER, 5/16" (12.9200)		3	3									
	103321	LOCKWASHER, 3/8" (12.9200)												4
		4.4178 - GASKET, OIL COOLER BY-PASS TUBE FLANGE												
	5131185	GASKET		1	1									
	5124798	GASKET												2
	5193598	SEAL RING (5.6176)												2
		4.4182 - COVER, OIL COOLER BY-PASS HOLE												
5D	5133837	COVER												2
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)												4
	103321	LOCKWASHER, 3/8" (12.9200)												4
		4.4184 - GASKET, OIL COOLER BY-PASS HOLE COVER												
5D	5124798	GASKET												2
		4.4211 - CONNECTION, OIL COOLER WATER INLET												
5C,H	5126057	ELBOW (FRONT)		1	1		1			1				
5C,H	5127462	ELBOW (REAR)		1	1		1			1				
	5124466	ELBOW				1						1		
	5122422	ELBOW							1				1	
#	5124821	ELBOW												1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6544	6633	6644	6666	6722	6733	6777	6911	7044	7110	7155	7311
		4.4211 - CONNECTION, OIL COOLER WATER INLET (CONT'D)												
	5127646	TUBE		1										
5H	5136693	BRACKET (TUBE)		1	1		1			1				
5H	5108560	CLAMP, 3 5/8" (TUBE TO BRACKET)		2	2		2			2				
	103647	DRAINCOCK, 1/4" (12.9510)		1			1			1				1
	5115214	PLUG, 1/2" PIPE (12.9550)				1								
5H	179838	BOLT, 3/8"-16X7/8" (12.9001)		4	4		4			4				
5H	179839	BOLT, 3/8"-16X1" (12.9001)		6	6		6			4		4		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				4			4			4	4	4
5H	450517	BOLT, 3/8"-16X4 3/4" (12.9001)		2	2		2			2				
	103321	LOCKWASHER, 3/8" (12.9200) # FIG. 10C OF 5.0000.								4		4	4	4
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION												
5C,H	5117317	GASKET		2	2	1	2		1	2		1	1	
	5124822	GASKET												1
	5133721	SEAL									2			
		4.4213 - HOSE, OIL COOLER WATER INLET												
	5199780	HOSE (2 3/8"X2 3/4"L.)				1						1		
5C,H	5136037	HOSE (2 1/2"X3 1/4"L.)		1	1		1			1				
	5147744	HOSE (2 7/8" X 2 1/4" L.)							1		1		1	1
	5143360	HOSE (3 1/4"X3"L.)									2			
5C,H	5136038	HOSE (3 1/2"X4 1/2"L.)		2	2		2			2				
5H	5148488	TUBE ASSY.			1		1			1				
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE												
5C,H	5135647	CLAMP, 2 3/4"		2	2		2			2				
5C	9139809	CLAMP, 3"				2						2		
5C	5188036	CLAMP, 3"							2		2		2	2
5C	9139813	CLAMP, 3 1/2"									4			
5C,H	5136306	CLAMP, 3 3/4"		4	4		4			4				
		4.4220 - ELBOW, OIL COOLER WATER OUTLET-INLET												
5C,H	5129834	ELBOW (REAR)		1	1	1	1		1	1		1	1	
5C,H	5129835	ELBOW (FRONT)		1	1		1			1				
	5133729	ELBOW									1			
	5143172	ELBOW									1			

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6544	6634	6644	6666	6724	6733	6777	6891	7044	7110	7155	7311
		4.4220 - ELBOW, OIL COOLER WATER OUTLET-INLET (CONT'D)												
	5142549	PLUG, 3/4" PIPE (12.9550)		2	2	1	2		1	2		1	1	
	5141781	* PIPE (OUTLET) (ALUM.)									1			
	103196	STUD, 3/8"-16-24X1 9/16"									4			
	179839	BOLT, 3/8"-16X1" (12.9001)		4	4	2	4		2	4		4	2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									4			
	5152148	WASHER, 3/8" FLAT COPPER (2.4050)									4	2		
	103341	WASHER, 3/8" FLAT (12.9190)									4			
	103321	LOCKWASHER, 3/8" (12.9200)		4	4	2	4		2	4	4	2	2	
	103026	NUT, 3/8"-24 HEX. (12.9120)		4	4		4			4	4			
	117049	NUT, 3/8"-24 (12.9120)				2			2				2	
		* OBSOLETE.												
		4.4230 - GASKET, OIL COOLER WATER ELBOW												
5C,H	5117254	GASKET (FRONT)		1	1	1	1		1	1	1	1	1	
5C,H	5117734	GASKET (REAR) (1.1070)		1	1		1			1				
5C	5124822	GASKET (4.4212)									1			
		4.4240 - HOSE, OIL COOLER WATER OUTLET												
5C,H	5144078	SEAL (3 1/2"X5/8")		2	2	1	2		1	2		1	1	1
		4.4242 - FLANGE, OIL COOLER WATER OUTLET												
	5100884	FLANGE (ALUM.)									2			
	5145983	FLANGE (ALUM.)									2			
5E	5124884	FLANGE												1
	5101377	BOLT, 3/8"-16X1" HEX. W/SEAL SPL. (12.9001)												4
	5176667	WASHER, 1/2" FLAT (2.7150)									8			
	103321	LOCKWASHER, 3/8" (12.9200)												4
	103323	LOCKWASHER, 1/2" (12.9200)									8			
	102637	NUT, 1/2"-13 (12.9120)									8			
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE												
	5143173	GASKET									2			
	5117254	GASKET												1
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE												
5C,H	5143999	CLAMP, 3 1/2"		2	2	1	2		1	2		1	1	1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6554	6633	6644	6666	6722	6733	6777	6911	7044	7110	7115	7311
		4.4337 - HOSE, MARINE GEAR HYDRAULIC PUMP TO OIL FILTER												
5J	**5136035**	HOSE, FLEX. (1/2"X24"L.)						1						
5J	**5126739**	HOSE, FLEX. (1/2"X34"L.)	1											
5J	**9402801**	ELBOW, 5/8"-45 DEG. (12.9600)						1						
5J	**109429**	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)	2					3						
5J	**144034**	BUSHING, 3/4"X1/2" RED. (12.9570)	2					2						
		4.4338 - HOSE, HYDRAULIC MARINE GEAR OIL FILTER TO COOLER												
5J	**5114051**	HOSE, FLEX. (53"L.) (9.1592)						1						
5J	**5112499**	HOSE, FLEX. (5/8"X80"L.)	1											
5J	**109429**	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)	1											
5J	**141621**	ELBOW, 3/4"-90 DEG. STREET (12.9590)						1						
5J	**144034**	BUSHING, 3/4"X1/2" RED. (12.9570)	2					1						
		4.4343 - HOSE, MARINE GEAR COOLER TO SELECTOR VALVE												
5J	**5114071**	HOSE, FLEX. (45"L.) (9.1592)						1						
5J	**5110516**	HOSE, FLEX. (50"L.)	1											
5J	**109429**	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)	1					1						
5J	**141621**	ELBOW, 3/4"-90 DEG. STREET (12.9590)						1						
5J	**144034**	BUSHING, 3/4"-1/2" RED. (12.9570)						1						
		4.4345 - CLIP, OIL COOLER LINES												
5J	**5151189**	CLIP, 3/4" TUBE X 3/8" BOLT (4.8040)	5					2						
5J	**5181325**	BRACKET (4.8042)	1					1						
5J	**5176400**	BRACKET, CLIP (4.8010)						1						
5J	**186629**	BOLT, 5/16"-18X1" (12.9001)	1											
5J	**100014**	BOLT, 5/16"-24X1" (12.9001)						1						
5J	**186627**	BOLT, 3/8"-24X1" (12.9001)						1						
	103320	LOCKWASHER, 5/16" (12.9200)	1					1						
	103321	LOCKWASHER, 3/8" (12.9200)						1						
	123197	NUT, 5/16"-18 HEX. (12.9120)	1											
	114493	NUT, JAM 5/16"-24						1						
	117049	NUT, 3/8"-24 (12.9120)						1						
		4.4355 - HOSE, MARINE GEAR TO OIL PRESSURE PUMP												
5J	**5177502**	HOSE, FLEX. (7/8"-28 1/2"L.) (9.1730)	1					1						
5J	**109429**	ELBOW, 5/8"-90 DEG. FL. TUBE	1											

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6544	6633	6644	6666	6722	6733	6777	6911	7044	7110	7115	7311
		4.4355 - HOSE, MARINE GEAR TO OIL PRESSURE PUMP (CONT'D)												
		(12.9390)												
5J	**144116**	ELBOW, 1"X45 DEG. STREET (12.9590)	1											
5J	**108687**	ELBOW, 1"X90 DEG. STREET (12.9590)	1					2						
5J	**5183079**	CONNECTOR, 1" TUBE-1 5/16"X1" PIPE (9.1720)	1					1						
		4.4365 - FILTER ASSY., MARINE GEAR OIL												
5J	**5129129**	* FILTER ASSY.	1					1						
	5575213	+ DECAL (4.2280)	1					1						
	186619	BOLT, 3/8"-16X1 1/2" (12.9001)	4					4						
	103321	LOCKWASHER, 3/8" (12.9200)	4					4						
		* SEE PAGE B1 OF 9.1000A												
		+ OBSOLETE.												
		4.4367 - BRACKET, OIL FILTER MOUNTING												
5J	**5144219**	+ BRACKET (9.1793)	1											
5J	**5122379**	BRACKET (9.1793)						1						
5J	**179844**	BOLT, 3/8"-16X1 1/8" (12.9001)						3						
5J	**186628**	BOLT, 3/8"-16X1 1/2" (12.9001)	3											
	103321	LOCKWASHER, 3/8" (12.9200)	3											
		+ OBSOLETE.												

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7321	7333	7334	7336	7337	7341	7342	7343	7344	7347	7551	7558	7561	7576
		4.4001 - CORE, OIL COOLER														
5A	8514600	CORE ASSY. (12 PLATE)										1				
5E	5149054	COOLER ASSY. (TUBE TYPE) (T/C AND ENG.)			1	1	1	1							1	
5E	5149056	COOLER ASSY. (TUBE TYPE) (T/BRK AND ENG.)	1	1												
5E	5149055	COOLER ASSY. (TUBE TYPE) (TORQUE BLK ONLY)	1	1												
5C	8539503	CORE ASSY. (24 PLATE)												2		
5C	8541903	CORE ASSY. (18 PLATE)														2
5D	5149052	TUBE BUNDLE, UPPER			1	1	1	1							1	
5D	5149053	TUBE BUNDLE, LOWER			1	1	1	1							1	
5D	5149059	TUBE BUNDLE, UPPER	1	1												
5D	5149057	TUBE BUNDLE, LOWER	2	2												
5D	5149058	TUBE BUNDLE	1	1												
5D	5108071	RING, "O"	4	4	2	2	2	4							4	
	186317	BOLT, 3/8"-24X5" (12.9001)	12	12												
	103321	LOCKWASHER, 3/8" (12.9200)	12	12												
	117049	NUT, 3/8"-24 HEX. (12.9120)	12	12												
		4.4003 - SHELL ASSY., OIL COOLER TUBE TYPE														
5D	5149078	SHELL ASSY.	1	1												
5D	5149079	SHELL ASSY.	1	1												
5D	5149077	SHELL ASSY.			1	1	1	1							1	
		4.4005 - COOLER ASSY. (COMPLETE)														
5E	5143042	COOLER ASSY. (MODINE) TRANS OIL											1			
	103175	STUD, 5/16"X1 1/2" (12.9117)											6			
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)											10			
	120393	WASHER, 5/16" FLAT (12.9190)											18			
	103320	LOCKWASHER, 5/16" (12.9200)											18			
	121917	NUT, 5/16"-24 HEX. (12.9120)											16			
		4.4030 - GASKET, OIL COOLER CORE INNER														
	5133369	GASKET											1			
	5133727	GASKET											1			
	5117535	GASKET (4.4117)		2	2	2	2	2							2	
	5124806	GASKET	1	1		1	1	1								
	5154215	GASKET										1				1
	5117280	GASKET (HOUSING TO ADAPTOR)													1	
	5150155	GASKET										1				1
	5117404	GASKET (4.4115)												3		

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7321	7331	7334	7336	7337	7341	7342	7343	7344	7347	7351	7358	7361	7376
		4.4040 - GASKET, OIL COOLER CORE OUTER														
	5130997	GASKET (COVER TO CORE)												1		
5D	5126618	GASKET (COVER TO CORE) (4.4060)		1												
	5177815	GASKET												1	1	
		4.4050 - HOUSING, OIL COOLER														
5B,C	5131279	HOUSING										1				
5B,C	5129421	HOUSING														1
5B,C	5143358	HOUSING (ALUM.)											1			
5B,C	5122716	HOUSING												1		
	5132634	DECAL (1.1001)										1				1
	103647	DRAINCOCK, 1/4" (12.9510)												1	1	1
	118536	DRAINCOCK, 3/8" (12.9510)											1			
	142269	BUSHING, 1/2"X3" RED. (12.9570)											2			
	5142549	PLUG, 3/4" PIPE (12.9550)												2		
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)											4			
	186274	BOLT, 5/16"-18X5" (12.9001)										8				
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)														8
	272547	BOLT, 3/8"-16X6 1/2" (12.9001)											4			
	103341	WASHER, 3/8" (12.9001)											4			
	103320	LOCKWASHER, 5/16" (12.9200)										8				8
	103321	LOCKWASHER, 3/8" (12.9200)											4			
		4.4060 - COVER, OIL COOLER HOUSING														
	5101270	COVER (FRONT)	1	1	1	1	1	1							1	
	5101742	COVER (FRONT)												1		
	5101188	COVER (REAR)	1	1	1	1	1	1							1	
	5130998	COVER (REAR)												1		
	5142335	PLUG (1.2001)				1										
	5121182	PLUG, 1/4" PIPE (12.9550)	AR	AR	AR	AR		AR							7	
	5111798	PLUG, 1" PIPE (12.9550)	AR	AR	AR	2	AR	2							2	
	5103185	PLUG, 1" PIPE (12.9550)												2		
	103647	DRAINCOCK, 1/4" (12.9510)				2	1	1								
	5125300	PLATE (FRONT COVER)	1		1										1	
	5126321	GASKET (FRONT COVER PLATE)	1		1											
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)												1		
	186274	BOLT, 5/16"-18X5" (12.9001)												19		
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)												4		
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	4	4	4	4	4	4								
	179851	BOLT, 3/8"-16X3" (12.9001)	24	20	20	20	20	20							20	
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)	4		4										4	
	5155596	WASHER, 5/16" FLAT (COPPER)(12.9001)												1		
	446202	WASHER, 5/16" FLAT (12.9190)												2		
	103321	LOCKWASHER, 3/8" (12.9200)	28	24	24	24	24	24							20	
	103320	LOCKWASHER, 5/16" (12.9200)												21		
	103322	LOCKWASHER, 7/16" (12.9200)	4		4										4	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7321	7333	7334	7336	7337	7341	7342	7343	7344	7347	7351	7358	7361	7376
		4.4061 - GASKET, OIL COOLER HOUSING COVER														
	5126618	GASKET (4.4060)	1	1		1	1	1							1	
	5124806	GASKET													1	
		4.4062 - BRACKET, OIL COOLER COVER														
	5136588	PLATE (REAR SUPPORT)		1												
	5127000	PLATE (4.25"L.) (UPPER)	1	1												
	5127001	PLATE (6"L.) (LOWER)	1	1												
	5137138	PLATE (15 1/2"L.) (TO FLYWHEEL HOUSING)	1	1												
	5136568	PLATE (15 1/2"L.) (TO OIL COOLER COVER)	1													
	5129230	SHIM (.062) (3 HOLE)	1	1												
	5129231	SHIM (.062) (5 HOLE)	1	1												
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	6	6												
	181374	BOLT, 3/8"-16X1 1/2" (12.9001)	5	5												
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	3	3												
	271557	BOLT, 5/8"-11X1 3/8" (12.9001)	3													
	428211	BOLT, 5/8"-11X1 3/8" (12.9001)		3												
	103321	LOCKWASHER, 3/8" (12.9200)	14	14												
	103334	LOCKWASHER, 5/8"	3	3												
	117049	NUT, 3/8"-24 HEX. (12.9120)	14	14												
		4.4064 - GASKET, OIL COOLER COVER BRACKET														
	5124806	GASKET (FRONT COVER)	1	1	1											
	5136701	GASKET		1												
		4.4082 - COVER, OIL FILTER RETURN HOLE														
	5124857	COVER	1													
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)	4													
	103323	LOCKWASHER, 1/2" (12.9200)	4													
		4.4084 - GASKET, OIL FILTER RETURN HOLE COVER														
	5124812	GASKET	1													
		4.4100 - BRACKET, OIL COOLER HOUSING SUPPORT														
	5124799	BRACKET (REAR)	1		1	1	1	1							1	
	179839	BOLT, 3/8"-16X1" (12.9001)	8		8	8	8	8							8	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)													4	
	103321	LOCKWASHER, 3/8" (12.9200)	8		8	8	8	8							12	

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7321	7331	7334	7336	7337	7341	7342	7343	7344	7347	7351	7358	7361	7376
		4.4110 - ADAPTOR, ASSY., OIL COOLER														
	5102264	# ADAPTOR (8923286)										1				1
	5143192	ADAPTOR											1			
	DX69378	ADAPTOR											1			
	5126258	ADAPTOR (FRONT)												1		
	5117057	ADAPTOR (REAR)												1		
	5100882	TUBE ASSY., ADAPTOR (ALUM.)											1			
	5100885	TUBE ASSY., ADAPTOR (ALUM.)											1			
	5143168	ELBOW											2			
	5142549	PLUG, 3/4" PIPE (12.9550)											1			
	5111798	PLUG, 1" PIPE (12.9550)											1			
	103175	STUD, 5/16"-18-24X1 1/2 (12.9117)											18			
	5119631	STUD, 1/2"-20X2 1/4" (6.1020)											8			
	186618	BOLT, 5/16"-18X5/8" (12.9001)										1				
	186624	BOLT, 5/16"-18 X 1 1/4" (12.9001)												1		
	138242	BOLT, 3/8"-16 X 1" (12.9001)											4			
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)										3	7	3		2
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)												5		
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)										5				
	138244	SCREW, 3/8"-16X1 1/2" (12.9001)												1		
	120393	WASHER, 5/16" FLAT (12.9190)											AR			
	103341	WASHER, 3/8" FLAT (12.9190)											AR			
	5152148	WASHER, 3/8" FLAT (2.4060)										AR				
	120394	WASHER, 13/32" FLAT (12.9190)												2		
	103320	LOCKWASHER, 5/16" (12.9200)										AR	AR	1		
	103321	LOCKWASHER, 3/8" (12.9200)											4	6		
	121917	LOCKWASHER, 3/8"											AR			
		# NOT SERVICED, USE NUMBER IN PARENTHESES.														
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK														
5C	5117535	GASKET (4.4117)	2									2		2	2	2
	5146532	GASKET (4.4060)											1			
	5133724	GASKET (TUBE ASSY. TO ADAPTOR)											2			
	5126280	SPACER (8.20"L.)										2	1	2		2
		4.4116 - COVER, OIL COOLER ADAPTOR														
5C	5102265	COVER (PLATE)										1				1
	186625	BOLT, 5/16"-18X7/8" (12.9001)														5
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)														5
	186619	BOLT, 3/8"-16X1 1/8" HEX. (12.9001)														1
	5152148	WASHER, 3/8" FLAT, COPPER (12.9190)														1
	103320	LOCKWASHER, 5/16" (12.9200)														5
		4.4117 - GASKET, OIL COOLER ADAPTOR COVER														
5C	8921404	GASKET										1				1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 732	733	734	736	737	741	742	743	744	747	751	758	761	776
		4.4130 - HOUSING, OIL COOLER BY-PASS VALVE														
	5133978	HOUSING (4.4120)		1		1	1	1								
		4.4140 - VALVE, OIL COOLER BY-PASS														
	5136358	VALVE											1			
	5133431	VALVE (4.2485)		1		1	1	1								
5C	5177777	VALVE										1		1		1
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE														
	5134477	SPRING		1		1	1	1								
5C	5177778	SPRING										1		1		1
5C	5134911	SPRING											1			
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE														
5A,C	5177772	PLUG										1		1		1
5C	5134807	PLUG											2			
	5134456	RETAINER (4.2488)		1		1	1	1								
	450865	SCREW, #12-24X3/4" (12.9065)		1		1	1	1								
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE LUG														
5C	5177773	GASKET										1		1		1
5C	5134920	GASKET											2			
		4.4176 - TUBE, OIL COOLER BY-PASS														
	5134052	TUBE (8.30"L.)		1		1	1									
	5125587	TUBE (9.02"L., 1 3/8" DIA.)						1								
		4.4177 - FLANGE, OIL COOLER BY-PASS TUBE														
	5124859	FLANGE		1		1	1	2								
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				2	2	2								
	9418964	BOLT, 3/8"-16X5" (12.9001)						2								
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)		2		2	2									
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)		2												
	103321	LOCKWASHER, 3/8" (12.9200)		4		2	4	4								
	117049	NUT, 3/8"-24 HEX. (12.9120)		2												

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 732	733	734	736	737	741	742	743	744	747	751	758	761	776
		4.4178 - GASKET, OIL COOLER BY-PASS TUBE FLANGE														
5D	5124798	GASKET		2		2	2									
5D	5193598	SEAL RING (5.6176)		2		2	2	2								
		4.4182 - COVER, OIL COOLER BY-PASS HOLE														
5D	5133837	COVER	3	1	4	2	2	2							4	
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	4	2	8	4	4	4							8	
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)	2													
	103321	LOCKWASHER, 3/8" (12.9200)	6	2	8	4	4	4							8	
	117049	NUT, 3/8"-24 HEX. (12.9120)	6													
		4.4184 - GASKET, OIL COOLER BY-PASS HOLE COVER														
5D	5124798	GASKET				2	2								4	
		4.4211 - CONNECTION, OIL COOLER WATER INLET														
#	5124821	ELBOW	1	1	1		1									
	5122422	ELBOW												1		
	5127904	ELBOW				1		1							1	
	5127199	ELBOW										1				1
	103647	DRAINCOCK, 1/4" (12.9510)			1							1				
	5115214	PLUG, 1/2" PIPE (12.9550)										2				1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	4	4	4	4	4				3		4	4	3
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4				3		4	4	3
		# FIG. 10C OF 5.0000.														
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION														
5A	5124822	GASKET	1	1	1	1	1	1					1		1	
5A	5117317	GASKET												1		
5A	5117476	GASKET										1				1
	5140831	SEAL RING											4			
		4.4213 - HOSE, OIL COOLER WATER INLET														
	5199780	HOSE (2 3/8"X2 3/4"L.)				1		1				1			1	1
5C	5120204	HOSE (2 7/8"I.D.X2 1/4"L.)	1	1	1		1									
	5147744	HOSE (2 7/8"I.D.X2 1/4"L.)												1		
	5143360	HOSE (3 1/4"X3"L.)											2			

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 732	733	734	736	737	741	742	743	744	747	751	758	761	776
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE														
5C	9139809	CLAMP, 3"				2		2				2			2	2
5C	5188036	CLAMP, 3"	2	2	2		2						2	2		
	9139813	CLAMP, 4"											6			
		4.4220 - ELBOW, OIL COOLER WATER OUTLET-INLET														
	5133729	ELBOW											1			
	5129834	ELBOW												1		
	5100892	ELBOW											1			
	5144552	PIPE (OUTLET) (ALUM.)											1			
	5142549	PLUG, 3/4" PIPE (12.9550)												1		
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)											4			
	179839	BOLT, 3/8"-16X1" (12.9001)												4		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											3			
	186283	BOLT, 3/8"-16X2 1/2" (12.9001)											1			
	5152148	WASHER, 3/8" FLAT COPPER (2.4050)											AR	2		
	103341	WASHER, 3/8" FLAT (12.9190)											AR			
	103321	LOCKWASHER, 3/8" (12.9200)											AR	2		
	125913	NUT, 3/8"-24 HEX. (12.9120)											AR			
		4.4230 - GASKET, OIL COOLER WATER ELBOW														
	5117254	GASKET (FRONT)											1	1		
		4.4240 - HOSE, OIL COOLER WATER OUTLET														
5C	5144078	SEAL (3 1/2"X5/8")	1	1	1	1	1	1								
	5102098	SEAL												1	1	
		4.4242 - FLANGE, OIL COOLER WATER OUTLET														
	5100884	FLANGE (ALUM.)											2			
5E	5124884	FLANGE	1	1	1	1	1	1							1	
	5125598	FLANGE (4.4320)										1				1
	5143168	ELBOW (4.4110)											2			
	179839	BOLT, 3/8"-16X1" (12.9001)						2							2	
	5101377	BOLT, 3/8"-16X1" W/SEAL SPL. (12.9001)	4	4	4	2	4	4								
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										2				2
	179847	BOLT, 3/8"-16X2" (12.9001)											4			
	5152148	WASHER, 3/8" FLAT COPPER													2	
	5176667	WASHER, 1/2" FLAT (2.7150)											8			
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4				4	4		4	4
	103341	LOCKWASHER, 3/8" (12.9200)											4			
	103323	LOCKWASHER, 1/2"											8			
	117064	NUT, 1/2"-13 (12.9120)											8			
	117049	NUT, 3/8"-16 HEX. (12.9120)										2			2	

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 732	733	734	736	737	741	742	743	744	747	751	758	761	776
		4.4242 - FLANGE, OIL COOLER WATER OUTLET (CONT'D)														
	124925	NUT, JAM 3/8"-24 (12.9120)													2	
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE														
	5117254	GASKET	1	1	1	1	1	1							1	
	5125599	SEAL RING										1				1
	5133724	GASKET (4.4178)											2			
	5143173	GASKET											2			
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE														
5C	5143999	CLAMP, 3 1/2"	1	1	1	1	1	1						1	1	
		4.4328 - BLOCK, OIL COOLER OIL JUNCTION														
	5136520	BLOCK, JUNCTION			1										1	
	5136519	BLOCK, JUNCTION				1	1	1								
	5136701	GASKET	1		1	1	1	1							1	
	179839	BOLT, 3/8"-16X1" (12.9001)			6	6	6	4							6	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			1										1	
	103321	LOCKWASHER, 3/8" (12.9200)			7	6	7	6							7	
		4.4329 - HOSE, CYLINDER BLOCK WATER DRAIN TO OIL COOLER														
	5129867	HOSE, #4-18"L. (7.4074)	1	1												
	2011306	ELBOW, 1/4"-45 DEG. STREET (12.9590)	1	1												
	143343	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1												
	5189294	FITTING, 1/2"-20 HOSE (5.7100)	1	1												
	5164312	TEE, INV. 5/16" (4.3001)	1	1												
	114981	DRAINCOCK, 1/8" (12.9510)	1	1												
		4.4330 - HOSE, MARINE GEAR OIL OUTLET														
5J	5182896	HOSE, FLEX. (47 9/16"L.) (8.3800)							1							
5J	5142470	TUBING, WIRING HARNESS WRAP							2							
		4.4335 - HOSE, MARINE GEAR OIL INLET														
5J	5184080	HOSE, FLEX. (76 1/2"L.) (8.3800)							1							
5J	5176705	ELBOW, 3/4"-90 DEG. (8.3800)							1							
5J	119095	ELBOW, 3/4"-45 DEG. STREET (12.9590)							1							

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 732	733	734	736	737	741	742	743	744	747	751	758	761	776
		4.4335 - HOSE, MARINE GEAR OIL INLET (CONT'D)														
5J	**144613**	NIPPLE, 3/8"X1 3/8" PIPE (12.9560)							1							
		4.4337 - HOSE, MARINE GEAR HYDRAULIC PUMP TO OIL FILTER														
5J	**5136035**	HOSE, FLEX. (1/2"X24"L.)								1	1					
5J	**109429**	ELBOW, 5/8"-90 DEG. FL.								3	3					
5J	**144034**	BUSHING, 3/4"X1/2" RED. (12.9570)								2	2					
		4.4343 - HOSE, MARINE GEAR COOLER TO SELECTOR VALVE														
5J	**5114051**	HOSE, FLEX. (53 11/16"L.)								1	1					
5J	**192651**	ELBOW, 3/4"X1/2" 90 DEG. RED. (12.9600)								1	1					
5J	**144613**	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)								1	1					
		4.4345 - CLIP, OIL COOLER LINES														
5J	**5151189**	CLIP, 3/4" TUBE X 3/8" BOLT (4.8040)								4	4					
5J	**5176400**	BRACKET, CLIP (4.1080)								2	2					
5J	**186627**	BOLT, 3/8"-24X1" (12.9001)								2	2					
	103321	LOCKWASHER, 3/8" (12.9200)								AR	AR					
	103329	LOCKWASHER, 1/2" (12.9200)								AR						
		4.4355 - HOSE, MARINE GEAR TO OIL PRESSURE PUMP														
5J	**5177502**	HOSE, FLEX. (7/8"-28 1/2"L.)(9.1730)								1						
5J	**5112501**	HOSE, FLEX. (17 1/2"L.) (9.1720)									1					
5J	**144116**	ELBOW, 1"X45 DEG. STREET (12.9590)									2					
5J	**108687**	ELBOW, 1"X90 DEG. STREET (12.9590)								2						
5J	**5183079**	CONNECTOR, 1"TUBE-1 5/16"X1" PIPE (9 .1720)								1	1					

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 732	733	734	736	737	741	742	743	744	747	751	758	761	776
		4.4365 - FILTER ASSY., MARINE GEAR OIL FILTER														
5J	**5129129**	* FILTER ASSY.								1	1					
	5575213	+ DECAL (4.2280)								1	1					
5J	**186619**	BOLT, 3/8"-16X1 1/2" (12.9001)								4	4					
	103321	LOCKWASHER 3/8" (12.9200)								4	4					
		* SEE PAGE B1 OF 9.1000A														
		+ OBSOLETE.														
		4.4367 - BRACKET, OIL FILTER MOUNTING														
5J	**5122379**	BRACKET (9.1793)								1	1					
5J	**179844**	BOLT, 3/8"-16X1 1/8" (12.9001)								3	3					

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7844	7845	8255	8556	8557	8558	8570	8571	8582	8583	9085	9115
		4.4001 - CORE, OIL COOLER-ENGINE												
5C	8539503	CORE ASSY. (24 PLATE)			1						1	1	1	2
5C	8534719	CORE ASSY. (8 PLATE)					1							
5C	8547561	CORE ASSY. (24 PLATE)									1			
5C	8536502	CORE ASSY. (12 PLATE)			1									
5C	8528942	CORE ASSY. (12 PLATE)										1	1	
5C	8545373	CORE ASSY. (12 PLATE)						1						
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)					8							
	103320	LOCKWASHER, 5/16" (12.9200)					8							
		4.4005 - COOLER ASSY., OIL COOLER												
5E	5143216	COOLER ASSY. (MODINE) (ENGINE OIL)	1	1										
5E	5143042	COOLER ASSY. (MODINE) (TRANS. OIL)	1											
5E	5142386	COOLER ASSY. (MODINE) (TRANS. OIL)		1										
	103175	STUD, 5/16" X 1 1/2" (12.9117)	12	12										
	181342	BOLT, 5/16"-24 X 1 3/8" (12.9001)	22	22										
	120393	WASHER, 5/16" (12.9190)	36	36										
	103320	LOCKWASHER, 5/16" (12.9200)	36	36										
	114493	NUT, 5/16"-24 (12.9120)	36	36										
		4.4030 - GASKET, OIL COOLER CORE-INNER												
	5133727	GASKET (4.4060)	2	2										
	5133369	GASKET	1	1										
5C	5117280	GASKET (HOUSING TO ADAPTOR)			1						1	1	1	1
5C,D	5117404	GASKET (CORE TO HOUSING)			3							3	3	3
5C,D	8926782	GASKET (CORE TO HOUSING)									3			
5C,D	5144703	GASKET (HEAT EX. TANK)					1							
5C,D	5150155	GASKET (OIL COOLER COVER)						1						
		4.4040 - GASKET, OIL COOLER CORE-OUTER												
5C,D	5102506	GASKET						1						
		4.4050 - HOUSING, OIL COOLER-ENGINE												
5C	5143358	HOUSING	1	1										
5C	5122716	HOUSING			1						1	1		
5C	5116863	HOUSING											1	1
	8924140	DRAINCOCK, 1/4" (12.9510)			1						1	1	1	1
	118536	DRAINCOCK, 3/8" (12.9510)	1	1										
	8924158	BUSHING, 1/2" X 3/8" RED. (12.9570)	1											
	5142549	PLUG, 3/4" PIPE (12.9550)			2						2	2	2	2
	106327	BOLT, 5/16"-18 X 1 3/8" (12.9001)	2	2										
	272547	BOLT, 3/8"-16 X 6 1/2" (12.9001)	4	4										
	103341	WASHER, 3/8" (12.9120)	4	4										
	103321	LOCKWASHER, 3/8" (12.9200)	4	4										
		4.4060 - COVER, OIL COOLER HOUSING												
10B	5123283	COVER (FRONT)			1									
	8921688	COVER ASSY. (REAR) (4.2290)									1	1		
10B	5167775	COVER (MARINE GEAR)						1						
	8921694	COVER ASSY. (FRONT)											1	1
10B	5142008	COVER (FRONT)			1						1	1		
	5103892	* INSERT (4.2240)									2	2	2	2
	5130998	COVER (REAR)											1	1
	5133431	* VALVE (4.2485)									1	1	1	1
	5133594	* SPRING (4.2486)									1	1	1	1

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 784	785	825	855	856	857	858	870	871	882	883	908	915
		4.4060 - COVER, OIL COOLER HOUSING (CONT'D)													
	5574895	+ GASKET										1	1		
	5187312	GASKET (4.2350)										1	1		
	5121182	* PLUG, 1/4" (2.4015)										2	2	1	1
	5126686	* PLUG,1 1/4" (4.2488)										1	1	1	1
	106327	BOLT, 5/16"-18 X 1 3/8" (12.9001)			1							1	1	1	1
	179822	BOLT, 5/16"-18 X 1 1/2" (12.9001)							10						
	186650	BOLT, 5/16"-18 X 4 3/4" (12.9001)			3							3	3		
	186274	BOLT, 5/16"-18 X 5" (12.9001)			20							18	18	10	10
	455971	BOLT, 5/16"-18X5 1/2" (12.1001)										2	2	2	2
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)												7	7
	215386	BOLT, 5/16"-18X6" (12.9001)												4	4
	446202	WASHER, 5/16" (12.9120)			1							1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)			24				10			23	23	22	22
	5155596	WASHER, 21/64"X9/16" (12.9120)												1	1
		* INCLUDED IN COVER ASSY.													
		+ NOT SERVICED SEPARATELY. PART OF PACKAGE 5575086.													
		4.4061 - GASKET, OIL COOLER HOUSING COVER													
5C	**8920528**	GASKET (REAR)			1							1	1		
5D	**5124494**	GASKET (FRONT)			1										
5C	**5130997**	GASKET (REAR)												1	1
5D	**5187312**	GASKET (FRONT)												1	1
		4.4085 - BAFFLE, OIL COOLER													
	5147389	PLATE, BAFFLE												2	2
	121804	BOLT, 1/4"-20X7/16" (12.9001)												1	1
	274856	NUT, 1/4"-20 (12.9120)												1	1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7841	7851	8255	8556	8557	8558	8570	8571	8822	8833	9085	9155
		4.4110 - ADAPTOR ASSY., OIL COOLER												
5C	5123882	ADAPTOR (9.1588)						1						
	5107639	ADAPTOR	1	1										
	5143164	ADAPTOR (ALUM.)	1	1										
5C	5126257	ADAPTOR (FRONT)			1						1	1		
5C	5117057	ADAPTOR (REAR)			1						1	1	1	1
5C	5126258	ADAPTOR (FRONT)											1	1
	5104250	TUBE, ADAPTOR 6.50" L.	1	1										
	5104249	TUBE, ADAPTOR 9.61" L.	1	1										
	5104251	ELBOW	2	2										
	5104252	ELBOW	2	2										
	118536	DRAINCOCK, 5/8" (12.9510)		1										
	5126280	SPACER											1	
	142269	BUSHING, 1/2"X3/8" (12.9570)		1										
	5115214	PLUG, 1/2" PIPE (12.9550)											1	
	5142549	PLUG, 3/4" PIPE (12.9550)	1	1										
	5111798	PLUG, 1" PIPE (12.9550)	1	1										
	103175	STUD, 5/16" X 1 1/2" (12.9117)	18	18										
	5119631	STUD, 1/2"-13 X 2.24 (6.1020)	8	8										
	186624	BOLT, 5/16"-18 X 1 1/4" (12.9001)			1						1	1	1	1
	138244	BOLT, 3/8"-16 X 1 1/2" (12.9001)			1						1	1		1
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)	8	8	3						3	3	3	3
	179844	BOLT, 3/8"-16 X 1 5/8" (12.9001)			5						5	5	5	5
	179847	BOLT, 3/8"-16 X 2"	4	4										
	9413341	BOLT, 3/8"-16 X 7 1/4" (12.9001)	4	4										
	120393	WASHER, 5/16" FLAT (12.9190)	16	16										
	5152148	WASHER, 3/8" X 9/16" (2.4050)	1	1										
	120394	WASHER, 13/32" (12.9190)			2						5	2	5	5
	5155596	WASHER, 21/64" X 9/16"	2	2										
	5176667	WASHER, .52" X 1.00" (2.7150)	8	8										
	103341	WASHER, 3/8" (12.9190)	AR	AR										
	103320	LOCKWASHER, 5/16" (12.9200)	16	16	1						AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR						AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)	8	8										
	138244	SCREW, 3/8"-16X1 1/2"											1	
	114493	NUT, 5/16"-24 (12.9120)	18	18										
	102637	NUT, 1/2"-13 (12.9120)	8	8										
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
	5146532	GASKET (4.4060)	1	1										
	5133724	GASKET, TUBE TO ADAPTOR (4.4110)	2	2										

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7841	7851	8251	8551	8561	8571	8581	8701	8711	8821	8831	9081	9151
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK (CONT'D)													
5A,C	5117535	GASKET (4.4117)			2							2	2		2
	5126280	SPACER (8.20" L.)			3							3	3		3
		4.4140 - VALVE, OIL COOLER BY-PASS													
5C	5136358	VALVE	2	2											
5A,C	5177777	VALVE			1							1	1	1	1
		4.4150 - SPRING, OIL COOLER BY-PASS													
5C	5134911	SPRING	2	2											
5A,C	5177778	SPRING			1							1	1	1	1
		4.4160 - PLUG, OIL COOLER BY-PASS VALVE													
5C	5134807	PLUG	2	2											
5A,C	5177772	PLUG			1							1	1	1	1
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG													
5C	5134920	GASKET	2	2											
5A,C	5177773	GASKET			1							1	1	1	1
		4.4180 - GASKET, OIL COOLER BY-PASS HOUSING													
	5159430	GASKET							1						
		4.4211 - CONNECTION, OIL COOLER WATER INLET													
	5122422	ELBOW			1							1	1		
	5124466	ELBOW												1	1
	5115214	PLUG, 1/2"-14 (12.9550)													1
5C	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)			4							4	4	4	4
5C	103321	LOCKWASHER, 3/8" (12.9200)			4							4	4	4	4
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION													
	5140831	SEAL RING (4.1730)	4	4											
5C,D	5117317	GASKET			1							1	1	1	1
		4.4213 - HOSE, OIL COOLER WATER INLET													
5C,E	5147744	HOSE, 2 7/8" I.D. X 2 1/4" L. (TO WATER PUMP)	1	1	1							1	1		
	5143360	HOSE, 3-1/4"X3"	2	2											
	5199780	HOSE, 2 3/8"X2.76" L.												1	1
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE													
5C	5188036	CLAMP, 2 9/16" X 3 1/2" (12.9660)	2	2	2							2	2		
	9139813	CLAMP, 4" (3.5400)	4	4											
	9139809	CLAMP, 2 1/2" (12.9660)												2	2

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 784	785	825	855	856	857	858	870	871	882	883	908	915
		4.4220 - ELBOW, OIL COOLER WATER (OUTLET-INLET)													
	5129834	ELBOW			1							1	1	1	1
	5100906	ELBOW (INLET)	1	1											
	5100892	ELBOW (OUTLET) (ALUM.)	1	1											
	5100891	ELBOW	1	1											
	5141780	PIPE, OUTLET (ALUM.)	1												
	5141792	*PIPE, OUTLET (ALUM.)*		1											
	5142549	PLUG, 3/4" PIPE (12.9550)			2							1	1	1	1
	5120494	STUD, 3/8"-16-24 X 1 15/16"	4	4											
	179839	BOLT, 3/8"-16 X 1" (12.9001)			4									4	2
	5101377	BOLT, 3/8"-16X1" HEX. W/SEAL SPL. (12.9001)										4	4		
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)	4	4											
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)	2	2											
	5152148	WASHER, 3/8" FLAT (COPPER) (2.4050)	2	2	2									2	
	103341	WASHER, 3/8" FLAT (12.9190)	4	4											
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR							AR	AR	AR	AR
	125913	NUT, 3/8"-24 HEX. (12.9120)	4	4											
	117049	NUT, 3/8"-24 (12.9120)													2
		4.4230 - GASKET, OIL COOLER WATER ELBOW													
5C,E	5117254	GASKET	1	1	1							1	1	1	1
	5124822	GASKET (4.4212)	1	1											
	5100907	GASKET	1	1											
		4.4240 - HOSE, OIL COOLER WATER OUTLET													
	5163930	HOSE, 1 1/2" X 2.26"	1	1											
5C,E	5102098	SEAL (3 1/2" X 5/8")			1							1	1	1	1
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE													
	5143173	GASKET (4.4200)	2	2											
	5133724	GASKET (4.4178)	2	2											
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE													
	2337379	CLAMP, 1 1/2" HOSE (12.9660)	1	1											
5C,E	5143999	CLAMP, 3.50" HOSE (12.9660)			1							1	1	1	1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 784	785	825	855	856	857	858	870	871	882	883	908	915
		4.4330 - HOSE, MARINE GEAR OIL OUTLET													
5J	5199722	HOSE, FLEX (61.18" L.) (12.8550)				1									
5J	5199722	HOSE, FLEX (48" L.) (12.8550)					1								
5J	8921476	HOSE, FLEX (90" L.) (12.8550)						1							
5J	5100597	HOSE, FLEX (82" L.) (12.8550)							1						
5J	8921595	HOSE, FLEX (#12X63" L.) (12.8550)								1					
5J	8921596	HOSE, FLEX (#12X83" L.) (12.8550)									1				
5J	144116	ELBOW, 1" 45 DEG. STR. (12.9590)				1	1	1	1	1					
5J	110289	ELBOW, 3/4" 90 DEG. (12.9590)						3							
5J	137894	ELBOW, 1/2" 45 DEG. (12.9590)							2						
5J	2492119	ELBOW, 3/4"X1" 90 DEG. PIPE (12.9590)				2	1								
5J	141621	ELBOW, 3/4" 90 DEG. ST. (12.9590)									1				
5J	109429	ELBOW, 5/8" 90 DEG. TUBE (12.9590)							1						
5J	9402713	CONNECTOR, 1" TUBE (9.1720)				1	1								
5J	128003	BUSHING, 1"X3/4" RED. (12.9570)						1		2					
5J	144061	BUSHING, 1"X1/2" RED. (12.9570)							1						
5J	5199727	FITTINGS (12.8552)				2	2								
		4.4335 - HOSE, MARINE GEAR OIL INLET													
5J	5199722	HOSE, FLEX (58" L.) (12.8550)				1									
5J	8921594	HOSE, FLEX (#12X42" L.) (12.8550)								1					
5J	5199722	HOSE, FLEX (68" L.) (12.8550)					1								
5J	8921595	HOSE, FLEX (#12X63" L.) (12.8550)									1				
5J	8921476	HOSE, FLEX (90" L.) (12.8550)			1										
5J	5100598	HOSE, FLEX (72" L.) (12.8550)							1						
5J	128003	BUSHING, 1"X3/4" RED. (12.9570)						2							
5J	144061	BUSHING, 1"X1/2" RED. (12.9570)							2						
5J	116487	CONNECTOR, 5/8"X1/2" TUBE (12.9380)					1		3						
5J	5177664	CONNECTOR, 5/8" (8.3800)					1	1							
5J	2499219	ELBOW, 3/4" X 1" 90 DEG. PIPE	1	1											
5J	9402867	ELBOW, 3/4" 90 DEG. TUBE								2	2				
5J	9402869	ELBOW, 1" TUBE	1	1		1				1					
5J	5199728	FITTINGS (12.8552)	2	2											
	5199581	FITTINGS (12.8552)							2						
5J	5199727	FITTINGS (12.8552)				2									
		4.4337 - HOSE, MARINE GEAR HYDRAULIC PUMP TO OIL FILTER													
5J	8921593	HOSE, FLEX (#16X14" L.)								1	1				
5J	125915	BUSHING, 1 1/4"X1" (12.9570)								2	2				
5J	9402713	CONNECTOR, 1" (12.9380)								1	1				
		4.4340 - TUBE, OIL PRESSURE GAGE													
5J	5144634	HOSE, FLEX. (#4X15 3/4")								1	1				
		4.4345 - CLIP, MARINE GEAR OIL LINES													
5J	2476233	CLIP, #12 (4.4345)								2	2				
5J	5181415	CLIP, 1 1/8" (5.5390)				2	2								
5J	5118394	BRACKET, CLIP (7.1587)									1				
5J	5182874	CLIP, 1" (8.3801)						4							
5J	5140903	CLIP, 1" (8.3801)							4						
5J	5123776	BRACKET, CLIP (4.4345)				1	1	1	1						
5J	5155464	BRACKET, CLIP (7.1582)								1					
5J	5109000	BRACKET, CLIP (4.6040)						1	1						
5J	5159393	BRACKET, CLIP (4.1575)								1					
5J	179838	BOLT, 3/8"-16X7/8" (12.9001)						1	1						

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 784	785	825	855	856	857	858	870	871	882	883	908	915
		4.4345 - CLIP, MARINE GEAR OIL LINES (CONT'D)													
5J	**179837**	BOLT, 3/8"-16X3/4" (12.9001)								1					
5J	**186627**	BOLT, 3/8"-24X1" (12.9001)				1	1	1							
	103341	WASHER, 3/8" (12.9190)				1	1	1	1		1				
	103321	LOCKWASHER, 3/8" (12.9200)				1	1	2	2	1	1				
	102635	NUT, 3/8"-16 (12.9120)						1	1	1					
	117049	NUT, 3/8"-24 HEX. (12.9120)				1	1	1	1		1				

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9028	9029	9030	9036	9056	9063	9071	9072	10029	10063	10064	10090
		4.4001 - CORE, OIL COOLER-ENGINE												
5A	**8545373**	CORE ASSY. (12 PLATES)	1		1									
5A	**8528885**	CORE ASSY. (16 PLATES)		1	1									
5A	**8547236**	CORE ASSY. (12 PLATES)			1						1			
5A	**8541903**	CORE ASSY. (18 PLATES)				1								
5A	**8539503**	CORE ASSY. (24 PLATES) (REAR)					1							
5A	**8528942**	CORE ASSY. (12 PLATES)					1							
5A	**8534719**	CORE ASSY. (8 PLATES)						1	1	1				
5A	**8547237**	CORE ASSY. (24 PLATES)										1	2	
	179816	BOLT, 5/16"-18X3/4" (12.9001)						8	8	8				
	103320	LOCKWASHER, 5/16" (12.9200)						8	8	8				
		4.4005 - COOLER ASSY., OIL COOLER												
	5143216	COOLER ASSY. (MODINE) (ENGINE OIL)												1
	5142386	COOLER ASSY. (MODINE) (TRANS. OIL)												1
	5179921	STUD, 5/16"-18X1.60" (4.7020)												12
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)												2
	100018	BOLT, 5/16"-24X2" (12.9001)												22
	120393	WASHER, 5/16" (12.9190)												36
	103320	LOCKWASHER, 5/16" (12.9200)												36
	103025	NUT, 5/16"-24 (12.9120)												34
		4.4030 - GASKET, OIL COOLER CORE-INNER												
5A	**5150155**	GASKET	1	1	2	1					1			
	5117280	GASKET (FRONT)					1						2	
	5117404	GASKET (REAR & FRONT) (CORE TO HOUSING) (4.4115)					3					1	2	
5A	**5144703**	GASKET (CORE TO HEAT TANK) (5.5050)						1	1	1				
	8925731	GASKET										1		
	5133727	GASKET (4.4060)												2
		4.4040 - GASKET, OIL COOLER CORE-OUTER												
5A	**8923223**	GASKET	1	1	2	1					1			
		4.4050 - HOUSING, OIL COOLER-ENGINE												
5A	**5129421**	HOUSING		1	1	1								
5B,C	**5131279**	HOUSING	1								1			
5A	**5116863**	HOUSING (FRONT AND REAR)					1							
	5106123	HOUSING										1		
	5126628	HOUSING											2	
	5143358	HOUSING												1
	5100908	ADAPTOR, 2 1/2" DIA., 1/4" PIPE HOLE										1		
	8924140	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	1				1	2	1	
	8925710	DRAINCOCK, 3/8" (12.9510)												1
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)												1
	8923847	PLUG, 1/4" PIPE (4.7001)										1		
	5142549	PLUG, 3/4" PIPE (12.9550)					AR							
	5132634	DECAL, DRAIN DIRECTIONAL (1.1001)	1	1		1					1			
	187953	BOLT, 5/16"-18X4 1/2" (12.9001)										12		
	186274	BOLT, 5/16"-18X5" (12.9001)	8								8			
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)		8	8	8								
	103320	LOCKWASHER, 5/16" (12.9200)	8	8	8	8					8	12		

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 928	929	930	936	956	963	971	972	1029	1063	1064	1090
		4.4060 - COVER, OIL COOLER HOUSING												
10B	5144151	COVER (REAR)					1							
10B	8923331	COVER (FRONT)					1							
10B	5167775	COVER (MARINE GEAR)			1									
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)					1							
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)			8									
	186274	BOLT, 5/16"-18X5" (12.9001)					23							
	446202	WASHER, 5/16"X3/4" COPPER (12.9190)					2							
	103320	LOCKWASHER, 5/16" (12.9200)			8		AR							
		4.4061 - GASKET, OIL COOLER HOUSING COVER												
	5117785	GASKET					1							
	8924623	GASKET					1							
		4.4085 - BAFFLE, OIL COOLER												
	5147389	PLATE, BAFFLE					2							
	121804	BOLT, 1/4"-20X7/16" (12.9001)					1							
	274856	NUT, 1/4"-20 LOCK (12.9120)					1							
		4.4110 - ADAPTOR, OIL COOLER												
5C	8923286	ADAPTOR	1	1	1	1								
	8923202	ADAPTOR (FRONT)					1						1	
	5117057	ADAPTOR (REAR)					1							
	8924893	ADAPTOR									1			
	8925411	ADAPTOR										1		
	8927221	ADAPTOR (FRONT)											1	
	5143164	ADAPTOR (ALUM)												1
	5107639	ADAPTOR												1
	5104250	TUBE, ADAPTOR 6.50" L.												1
	8927829	TUBE, ADAPTOR (DEV. L. 15.50")												1
	5104251	ELBOW (INLET) (4.4242)												2
	5104252	ELBOW (ALUM)												2
	5142549	PLUG, 3/4" PIPE (12.9550)												1
	8924750	PLUG, 1" PIPE (12.9550)												1
	5179921	STUD, 5/16"-18X1.60" (4.7020)												18
	5119631	STUD, 1/2"-13X2.24" (6.1020)												8
	8923389	BOLT, 3/8"-16X1.38"	3	3	3	3					3			
	8923390	BOLT, 3/8"-16X2.00"	5	5	5	5								4
	179847	BOLT, 3/8"-16X2" (12.9001)												
	8925656	BOLT, 3/8"-16X2" (W/SEAL PATCH) (12.9001)									4			
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					3						10	8
	5104156	BOLT, 3/8"-16X1 1/2" (W/SEAL PATCH)										1		
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)					5							
	8925588	BOLT, 3/8"-16X2 1/8" (W/SEAL PATCH)										5		
	272547	BOLT, 3/8"-16X6 1/2" (12.9001)												4
	9413341	BOLT, 3/8"-16X7 1/4" (12.9001)												4
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)					1							
	138244	SCREW, 3/8"-16X1 1/2" (12.9027)					1						2	
	5152148	WASHER, 3/8"X9/16" COPPER (2.4050)	1											1
	5131433	WASHER, .41"X.81"X.14" (1.5001)		8	8	8					7	6		
	120394	WASHER, 13/32" (12.9190)					5						4	
	103341	WASHER, 3/8" (12.9190)												19
	120393	WASHER, 5/16" (12.9190)												18
	5155596	WASHER, 5/16" (COPPER)												2
	5176667	WASHER, .52"X1.00" (2.7150)												8
	103321	LOCKWASHER, 3/8" (12.9200)					3						6	19
	103320	LOCKWASHER, 5/16" (12.9200)					1							16

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 928	929	930	936	956	963	971	972	1029	1063	1064	1090
		4.4110 - ADAPTOR, OIL COOLER (CONT'D)												
	103323	LOCKWASHER, 1/2" (12.9200)												8
	103025	NUT, 5/16"-24 (12.9120)												18
	102637	NUT, 1/2"-13 (12.9120)												8

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 928	929	930	936	956	963	971	972	1029	1063	1064	1090
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
5A,C	**5117535**	GASKET (4.4117)	2	2	2	2	2				2	2	4	
5A,C	**5133369**	GASKET												1
5A,C	**5126280**	SPACER (8.20" L.)	2	2	2	2	4				2	1	2	
5A,C	**8920763**	SPACER, .013" THK. (3.4137)										1		
	5146532	GASKET (4.4060)												1
		4.4140 - VALVE, OIL COOLER BYPASS												
5A,C	**5177777**	VALVE	1	1	1	1								
5A,C	**8923201**	VALVE					1							
5A,C	**5136358**	VALVE												2
		4.4150 - SPRING, OIL COOLER BYPASS VALVE												
5A,C	**5177778**	SPRING (4.1260)												
5A,C	**8922583**	SPRING					1							
5A,C	**5134911**	SPRING												2
		4.4160 - PLUG, OIL COOLER BYPASS VALVE												
5A,C	**5177772**	PLUG, 18MM X1.5MM	1	1	1	1								
5A,C	**5134807**	PLUG, 1 1/2"-6												2
		4.4170 - GASKET, OIL COOLER BYPASS VALVE PLUG												
5A,C	**5177773**	GASKET	1	1	1	1								
	5575086	GASKET (4.2489)					1							
5A,C	**5134920**	GASKET (4.2489)												2
		4.4211 - CONNECTION, OIL COOLER WATER INLET												
	5127646	TUBE (DEV. L. 26.62")											1	
5C,D	**5127199**	ELBOW	1	1	1	1					1			
5C,D	**5124466**	ELBOW					1							
	8925074	ELBOW (12.9390)						1						
	5101026	ELBOW										1		
	5127462	ELBOW (REAR)											1	
	5126057	ELBOW (FRONT)											1	
	5100891	ELBOW												1
	5136693	BRACKET											1	
	5108560	CLAMP ASSY. (6.2090)											2	
	5115214	PLUG, 1/2" (12.9550)	2	2	2	2	1				2	2		
	8924750	PLUG, 1" (12.9550)					4							
	5126686	PLUG, 1 1/4" (4.2488)					1							
	179838	BOLT, 3/8"-16X7/8" (12.9001)											4	
	179839	BOLT, 3/8"-16X1" (12.9001)											4	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	3	3	3	3	4				3	4		4
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)											2	
	5152148	WASHER, 3/8"X9/16" COPPER (2.4050)												2
	103321	LOCKWASHER, 3/8" (12.9200)	3	3	3	3					3	4	10	2

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 928	929	930	936	956	963	971	972	1029	1063	1064	1090
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION												
5A	**5117476**	GASKET	1	1	1	1					1			
	5117317	GASKET					1						2	
	5100638	GASKET										1		
	5117254	GASKET (4.4230)												1
	5140831	SEAL RING (4.1730)												4
		4.4213 - HOSE, OIL COOLER WATER INLET												
5C,D	**5199780**	HOSE, 2 3/8"X24" (CUT L. 2 3/4") (5.3365)	1	1	1	1	1							
5C,D	**5199780**	HOSE, 2 3/8"X24" (CUT L. 2.76") (5.3365)									1			
5C,D	**695615**	HOSE, 2.38"X2.76" L.										1		
5C,D	**5136037**	HOSE, 2 1/2"X3 1/4" L.											1	
5C,D	**5136038**	HOSE, 3 1/2"X4 1/2" L.											2	
5C,D	**5143360**	HOSE, 3 1/4"X3.0" L.												2
	5147744	HOSE, 2 7/8"X4 1/2" (CUT L. 2 1/4")												1
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE												
5C,D	**9139809**	CLAMP, 2 1/16"-3" RANGE (12.9660)	2	2	2	2	2				2			
	5143999	CLAMP, HOSE T-BOLT 3.50 I.D. (4.6030)					1							
	5102013	CLAMP, HOSE 2 1/2" I.D. (12.9660)										2		
	5135647	CLAMP, HOSE 2 3/4" I.D. (12.9660)											2	
	5136306	CLAMP, HOSE T-BOLT 3 1/2" I.D.											4	
	5188036	CLAMP, HOSE 3" I.D. (12.9660)												2
	9139813	CLAMP, HOSE 3 1/2" I.D. (3.5400)												8
		4.4220 - ELBOW, OIL COOLER WATER OUTLET												
	5129834	ELBOW					1						1	
	8925074	ELBOW (12.9390)						1						
	5103663	ELBOW										1		
	5129835	ELBOW											1	
	5100906	ELBOW (INLET)												1
	5100892	ELBOW (OUTLET)												1
	5141792	PIPE, 28.0" L. (ALUM)												1
	5142549	PLUG, 3/4" PIPE (12.9550)					1							
	8923313	PLUG, 3/4" PIPE SQ. SOC. (12.9550)										1	2	
	5120494	STUD, 3/8"-16-24X1 15/16" (5.2020)												4
	179839	BOLT, 3/8"-16X1" (12.9001)										2	4	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)												2
	5152148	WASHER, 3/8"X9/16"					2							
	103341	WASHER, 3/8" (12.9190)												4
	103321	LOCKWASHER, 3/8" (12.9200)					2					4	8	6
	117049	NUT, 3/8"-24 (12.9120)										2		
	103026	NUT, 3/8"-24 (12.9120)											4	
	125913	NUT, 3/8"-24 (12.9120)												4
		4.4230 - GASKET, OIL COOLER WATER OUTLET ELBOW												
	5117254	GASKET					1					1	1	
	5117734	GASKET (FRONT) (1.1070)											1	
	5124822	GASKET (4.4212)												1
	5100907	GASKET												1

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9281	9291	9301	9361	9561	9663	9711	9712	10291	10663	10664	10900
		4.4240 - HOSE, OIL COOLER WATER OUTLET												
	5163930	HOSE, 1 1/2"X5.12" (CUT L. 2.26") (5.3290)												1
		4.4242 - FLANGE, OIL COOLER WATER OUTLET												
5D	**5125598**	FLANGE (4.4320)	1	1	1	1					1			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2					2			
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR					4			
	117049	NUT, 3/8"-24 (12.9120)	2	2	2	2					2			
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE												
	5143173	GASKET (4.4200)												2
	5133724	GASKET (4.4178)												2
	5125599	SEAL RING	1	1	1	1					1			
	5102098	SEAL RING					1					1	2	
		4.4250 - CLAMP, OIL COOLER WATER OUTLET HOSE												
	5143999	CLAMP, T-BOLT 3 1/2" HOSE										1	2	
	2337379	CLAMP, 1 1/2" HOSE (12.9660)												2
		4.4336 - HOSE, MARINE GEAR HYDRAULIC PUMP TO COOLER												
	5179884	HOSE, FLEX. (68" L.)						1						
	8924164	NIPPLE, 3/4"X1 3/8" (12.9560)						1						
	8925073	ELBOW (90 DEG.) (8.3800)						1						
	119099	ELBOW (90 DEG.) (12.9600)						1						
		4.4337 - HOSE, MARINE GEAR HYDRAULIC PUMP TO OIL FILTER												
5J	**8923863**	HOSE, FLEX. (21" L.)							1	1				
5J	**8925046**	ELBOW (45 DEG.) (12.9600)							2					
5J	**8925076**	ELBOW (90 DEG.) (12.9390)								2				
5J	**8924163**	BUSHING, 3/4"X1/2" (12.9570)							1	1				
		4.4338 - HOSE, MARINE GEAR OIL FILTER TO COOLER												
5J	**8924303**	HOSE, FLEX. (81.02" L.)							1					
5J	**8923861**	HOSE, FLEX. (88" L.)								1				
	8925046	ELBOW (45 DEG.) (12.9600)							1					
5J	**8925076**	ELBOW (90 DEG.) (12.9390)							1	2				
5J	**8924163**	BUSHING, 3/4"X1/2" (12.9570)							1	1				
		4.4343 - HOSE, MARINE GEAR OIL COOLER TO SELECTOR VALVE												
5J	**5179884**	HOSE, FLEX. (68" L.) (8.3300)						1						
5J	**8923862**	HOSE, FLEX. (68" L.)							1	1				
	8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)						1						
	144086	TEE, 3/4" PIPE (12.9616)						1						
5J	**8925076**	ELBOW (90 DEG.) (12.9390)							2	2				

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9281	9289	9300	9336	9556	9663	9711	9722	1029	1063	1064	1090
		4.4343 - HOSE, MARINE GEAR OIL COOLER TO SELECTOR VALVE (CONT'D)												
	8924166	BUSHING, 3/4"X1/4" (12.9570)						1						
	5177664	ADAPTOR (8.3800)						1						
		4.4345 - CLIP, OIL COOLER LINES												
5J	**5187818**	BRACKET (9.3541)						1						
5J	**5109000**	BRACKET (4.6040)							1	1				
5J	**5127861**	BRACKET (7.1587)								1				
5J	**2419766**	CLIP, 1.06" DIA. (4.8040)						2						
	2488023	CLIP, .938" DIA.							4	4				
5J	**179839**	BOLT, 3/8"-16X1" (12.9001)						1	2	2				
5J	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)							1	1				
5J	**103321**	LOCKWASHER, 3/8" (12.9200)						1	2	2				
5J	**103341**	WASHER, 3/8" PLAIN (12.9190)						1						
5J	**102635**	NUT, 3/8"-16 (12.9120)						1	2	2				
		4.4355 - HOSE, MARINE GEAR TO OIL PRESSURE PUMP												
5J	**8923866**	HOSE, FLEX. (30.9" L.)							1	1				
5J	**144116**	ELBOW (45 DEG.) (GEAR STRAINER) (12.9590)							1	1				
5J	**108687**	ELBOW (90 DEG.) (12.9590)							1	1				
	9402713	CONNECTOR, 1" NPTF (12.9380)							2					
5J	**8924208**	CONNECTOR, 1" (9.1720)								2				
5J	**5114551**	STRAP, NYLON (7.4545)							1					
	5101020	STRAP, NYLON (2.5255)						2						
	5129129	* FILTER ASSY., MARINE GEAR OIL							1	1				
	8925076	ELBOW, 5/8" (12.9390)							2	2				
	8925046	ELBOW, 5/8" (12.9600)							2					
	8924163	BUSHING, 3/4"X1/2" (12.9570)							2	2				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							4	4				
	103321	LOCKWASHER, 3/8" (12.9200)							4	4				
		* SEE PAGE B1 OF 9.1000A FOR ASSEMBLY COMPONENTS.												
		4.4367 - BRACKET, MARINE GEAR OIL FILTER MOUNTING												
	5106159	BRACKET (4.2440)							1					
	5128606	BRACKET (9.1793)								1				
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)							3					
	428211	BOLT, 5/8"-11X1 1/4" (12.9001)								2				
	103325	LOCKWASHER, 5/8" (12.9200)								2				

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4.5000A OIL FILLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14	20	46	47	52	57	58	62	63	64	66	69
		4.5001 - TUBE, OIL FILLER												
	5181999	TUBE		1										
	5144738	TUBE					1							
	5128483	TUBE						1						
	5128650	* TUBE							1					
	5162764	TUBE (EXTENSION)									1			
	5130862	TUBE											1	
	5167747	@ HOSE (2 1/4"X2.62") (4.4240) (5199779)									1			
	9139809	CLAMP (2 1/16"-3) (12.9660)									2			
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)					2	2					2	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							2					
	103321	LOCKWASHER, 3/8" (12.9200)					2	2	2				2	
		@ NOT SERVICED, USE PART SHOWN IN PARENTHESES CUT TO DESIRED LENGTH.												
		* NOT SERVICED; USE 5168175, 5150147 AND PRINT 5128650.												
		4.5004 - BRACKET, OIL FILLER TUBE CLAMP												
	5128647	BRACKET							1					
	5113863	CLAMP (2 1/4" DIA.)							1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)							2					
	103321	LOCKWASHER, 3/8" (12.9200)							1					
	102635	NUT, 3/16"-16 HEX. (12.9120)							1					
		4.5005 - ADAPTOR, OIL FILLER												
	5168175	ADAPTOR		1										
	5104926	ADAPTOR				1								
	5109689	* ADAPTOR												1
	5109279	* ADAPTOR ASSY. (INCLUDES ITEMS IN 4.5030)								1				
	5128208	ADAPTOR ASSY. (INCLUDES ITEMS IN 4.5030)										1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)				2				5				
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)		2										
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)								1				
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)				4								
	186317	BOLT, 3/8"-24X5" (12.9001)				1								
	179857	BOLT, 7/16"-14X7/8" (12.9001)										1		
	122408	BOLT, 1/2"-13X1" (12.9001)										4		
	103321	LOCKWASHER, 3/8" (12.9200)		2		6				6				
	103322	LOCKWASHER, 7/16" (12.9200)										1		
	103323	LOCKWASHER, 1/2" (12.9200)										4		
	5138619	WASHER, 25/64" (4.1512)				1								
	117049	NUT, 3/8"-24 HEX. (12.9120)				1								
		* OBSOLETE.												
		4.5007 - GASKET, OIL FILLER ADAPTOR												
	5168176	GASKET		1			1	1	1				1	
	5104507	GASKET (1.5060)				1				1				1
	5104506	GASKET (1.5040)										1		

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4.5000A OIL FILLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14	20	46	47	52	57	58	62	63	64	66	69
		4.5010 - CAP, OIL FILLER												
6B	**1543853**	CAP (SNAP; INCLUDES GASKET)	1	1			1	1	1				1	
6A	**5117362**	CAP (SQUEEZE TYPE; 3" DIA.)			1	1				1	1	1		1
		4.5015 - GASKET, OIL FILLER CAP												
	1543857	GASKET	1	1			1	1	1				1	
		4.5020 - STRAINER, OIL FILLER												
6A	**5150147**	STRAINER	1	1	1		1					1		
		4.5030 - CHAIN, OIL FILLER TUBE												
6A	**5113825**	CHAIN (20"L.) (5.3125)			1	1				1				1
	5146248	HOOK, OIL FILLER CAP			2	2				2		2		2

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4.5000A OIL FILLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 71	73	81	85	87	88	90	99	100	103	105
		4.5001 - TUBE, OIL FILLER											
		▪ FOR TYPE 106 USE TYPE 46.▪											
		▪ FOR TYPE 94 USE TYPE 120.▪											
	NPN	TUBE (CUSTOMER FURNISHED)			1			1					
	5140231	TUBE ASSY.							1				
	5143031	TUBE ASSY. (INCLUDES ADAPTOR)								1			
	5144134	TUBE ASSY. (INCLUDES ADAPTOR)									1		
6B	5144860	TUBE ASSY. (INCLUDES ADAPTOR & STRAINER)										1	
	5144738	TUBE ASSY. (INCLUDES ADAPTOR & STRAINER)											1
	5103185	PLUG, 1" PIPE (12.9550)									1		
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)							2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)							2	2	2	2	2
		4.5005 - ADAPTOR, OIL FILLER											
	5168175	ADAPTOR							1				
	5109976	ADAPTOR (4.8050)			1			1					
6C	5137876	ADAPTOR ASSY. (WITH CAP) (4.5005)				1							
	179839	BOLT, 3/8"-16X1" (12.9001)			1			3					
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)			1			2					
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)						1					
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)			3								
	193882	BOLT, 3/8"-24X6 1/4" (12.9001)			1								
	179857	BOLT, 7/16"-14X7/8" (12.9001)				1							
	122408	BOLT, 1/2"-13X1" (12.9001)				1							
	103321	LOCKWASHER, 3/8" (12.9200)			6			6					
	103322	LOCKWASHER, 7/16" (12.9200)				1							
	103323	LOCKWASHER, 1/2" (12.9200)				4							
	117049	NUT, 3/8"-24 HEX. (12.9120)			4								
		4.5007 - GASKET, OIL FILLER ADAPTOR											
	5168176	GASKET							1	1	1	1	1
	5122227	GASKET (1.5060)			1			1					
6C	5117061	GASKET (1.5040)				1							
		4.5010 - CAP, OIL FILLER											
6B	1543853	CAP (SNAP; INCLUDES GASKET)							1	1			
6D	5117362	CAP (SQUEEZE TYPE; 3" DIA.)	1	1		1	1				1	1	1
		4.5015 - GASKET, OIL FILLER CAP											
	1543857	GASKET							1	1			

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4.5000A OIL FILLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 71	73	81	85	87	88	90	99	100	103	105
		4.5020 - STRAINER, OIL FILLER											
6A	5150147	STRAINER	1	1		1	1		1		1		
		4.5030 - CHAIN, OIL FILLER TUBE											
6A	5113825	CHAIN (20"L.)	1	1		1	1				1	1	1
	5146248	HOOK, OIL FILLER CAP	2	2		2	2				2	2	2
		4.5050 - GASKET, OIL FILLER TUBE											
	5117636	GASKET (4.8020)			1			1					

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4.5000A OIL FILLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 110	120	123	124	125	129	134	150
		4.5001 - TUBE, OIL FILLER								
	5141647	TUBE		1						
	5107050	TUBE							1	
	5144134	TUBE ASSY. (INCLUDES ADAPTOR)	1							
	5106065	TUBE					1			
	5104182	TUBE						1		
	5104105	SEAL					1	1		
	5107095	SEAL							1	
	5183079	CONNECTOR, 1" TUBE-1 5/16" X 1" PT. (9.1720)	1							
	5103185	PLUG, 1" (12.9550)	1							
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2							
	5106121	BOLT, 5/16"-18 X 5/8" W/SEAL PATCH							2	
	103340	WASHER, 5/16" (12.9190)							2	
		4.5005 - ADAPTOR, OIL FILLER								
	5168175	ADAPTOR		1						
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		2						
	446200	LOCKWASHER, 3/8" (12.9200)		2						
		4.5007 - GASKET, OIL FILLER ADAPTOR								
	5120540	GASKET		1						
		4.5010 - CAP, OIL FILLER								
6A	5117362	CAP (SQUEEZE TYPE: 2" DIA.)	1	1	2	1	1	1		2
	5107108	CAP							1	
		4.5020 - STRAINER, OIL FILLER								
6A	5150147	STRAINER		1	2					
	5103943	STRAINER								2
	5104110	STRAINER					1	1		
	5107290	STRAINER							1	
	5107979	HOOK					1			2
		4.5030 - CHAIN, OIL FILLER TUBE								
6A	5113825	CHAIN (20"L.)		1	2		1	1	1	2
	5146248	HOOK, OIL FILLER CAP	2	1	2	1	1	1	1	
	455532	PIN, COTTER 1/8" X 1/2" (12.9275)						1		
	218322	WASHER, 1/8" X 5/16" (12.9120)						1		
		4.5050 - GASKET, OIL FILLER TUBE								
	5106030	GASKET							1	

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 117	118	119	120	121	127	128	129	132	133	134	135
		4.6001 - DIPSTICK												
7A	5112409	# DIPSTICK (33 9/16", UNMARKED) (8291988 KIT)		1										
7A	5122490	# DIPSTICK (X-10 1/2", Y-1 1/32", Z-8 1/4") (8921990 KIT)	1											
7A	5125976	# DIPSTICK (X-12.50", Y-1.16", Z-10.66") (8921989 KIT)			1									
7A	5122493	& DIPSTICK (X-13.25",Y-1 11/32", Z-9 25/32")			1									
7A	5122495	# DIPSTICK (X-11.75", Y-1", Z-9.25") (8921990)				1								
7A	5162924	# DIPSTICK (X-14", Y-1.88", Z-11.12") (8921988)					1							
7A	5112445	# DIPSTICK (X-27 1/8") (UNMARKED) (8921988 KIT)						1						
7A	5162926	# DIPSTICK (X-15.50", Y-1.38", Z-12.47") (8921988 KIT)							1					
7A	5124121	# DIPSTICK (X-27.50") (UNMARKED) (8921988 KIT)								1				
7B	5117793	# DIPSTICK (X-17.25", Y-1.28", Z-14.67") (8921987)									1			
7A	5124120	# DIPSTICK (X-28 9/16") (UNMARKED) (8921988 KIT)										1		
5B,7A	5121218	# DIPSTICK (X-13.25", Y-1 3/16", Z-11 1/2") (8921990 KIT)											1	
7A	5124124	# DIPSTICK (X-18.25", Y-1 5/16", Z-15") (8921988)												1
		# NOT SERVICED. USE NUMBER IN PARENTHESES.												
		& THRU 6VA-3074, NOT SERVICED. USE 1-442324 CONNECTOR AND 1-5125970 ADAPTOR.												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL (.75" L.) (RUBBER)		1				1		1		1		1
		4.6020 - GUIDE, DIPSTICK												
5B,7A	5151430	GUIDE (1 1/2"L.)	1	1	1	1	1	1	1	1	1	1	1	1
		4.6030 - ADAPTOR, DIPSTICK												
7A	5112153	+ ADAPTOR (26" DEV. L.)		1										
7A	5122488	ADAPTOR (5.62" DEV. L.)	1		1									
7A	5128376	* ADAPTOR (7.72" DEV. L.) (5109621)				1								
7A	5175709	* ADAPTOR (10.20" DEV. L.) (5109621)					1							
	5123350	ADAPTOR (23.12" DEV. L.)						1						
7A	5124989	* ADAPTOR (10.88" DEV. L.) (5109621)							1					
7A	5123348	ADAPTOR (23.54" DEV. L.)								1				
7B	5120477	ADAPTOR (11.18" DEV. L.)									1			
7A	5123341	ADAPTOR (21.00" DEV. L.)										1		
5B,7A	5124440	+ ADAPTOR (11.58" DEV. L.)											1	
7A	5153992	ADAPTOR (11.50" DEV. L.)												1
7A	137401	NUT, 1/2" INV. FL. TUBE (12.9460)					1							
		* NOT SERVICED. USE PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												
		+ OBSOLETE. NO REPLACEMENT.												

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 117	118	119	120	121	127	128	129	132	133	134	135
		4.6040 - CLIP, DIPSTICK												
	5151108	CLIP, 1/2" (12.4095)						1						
	5153473	CLIP 1/2"								1		1		
	5188969	BRACKET (4.1540)								1		1		

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 117	118	119	120	121	127	128	129	132	133	134	135
	4.6040 - CLIP, DIPSTICK (CONT'D)													
	181333	BOLT, 5/16"-24X5/8" (12.9001)								1		1		
	103320	LOCKWASHER, 5/16" (12.9200)								1		1		
	114493	NUT, 5/16"-24 HEX. (12.9120)								1		1		

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 136	139	142	143	144	147	148	149	150	151	152
		4.6001 - DIPSTICK											
7A	5122490	# DIPSTICK (X-10 1/2", Y-1 1/32", Z-8 1/4") (8921990 KIT)				1							
7A	5109266	# DIPSTICK (X-31", Y-1.44", Z-29.04") (8921988)	1										
7B	5126144	DIPSTICK (X-33.25", Y-1.28", Z-31.10") (8921987)		1									
7A	5125561	# DIPSTICK (X-10.50", Y-.62", Z-9.12") (8921989 KIT)			1								
7A	5174694	# DIPSTICK (X-29 5/16", Y-1 3/32", Z-27.50") (8921988 KIT)					1						
7A	5127208	# DIPSTICK (X-44.25", Y-1 1/16", Z-40 11/16") (8921990)						1					
7A	5125978	# DIPSTICK (X-12.50", Y-1.12", Z-10.94") (8921989)							1				
7A	5126895	# DIPSTICK (X-28" L.) (UNMARKED) (8921990 KIT)								1			
7A	5126837	# DIPSTICK (X-24.50", Y-1.22", Z-22.22") (8921988 KIT)									1		
7A	5126365	# DIPSTICK (X-26.75", Y-1.48", Z-24.12") (8921989 KIT)										1	
7A	5125977	# DIPSTICK (X-11.25", Y-1", Z-9.28") (8921989 KIT)											1
		# NOT SERVICED. USE NUMBER SHOWN IN PARENTHESES.											
		4.6010 - GASKET, DIPSTICK											
	5106906	SEAL (.75" L.) (RUBBER)					1						
		4.6020 - GUIDE, DIPSTICK											
5B,7A	5151430	GUIDE (1 1/2"L.)	1	1		1	1	1		1			
7A	442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)			1			1			1	1	1
		4.6030 - ADAPTOR, DIPSTICK											
7A	5127444	* ADAPTOR (27.74" DEV. L.)	1										
7A	5126142	ADAPTOR (27.38" DEV. L.)		1									
7B	5126173	* ADAPTOR (5.84" DEV. L.)			1								
7A	5121061	@ ADAPTOR (8.60" DEV. L.) (5109621)				1							
7A	5125636	ADAPTOR (24.90" DEV. L.)					1						
7A	5127206	ADAPTOR (38.10" DEV. L.)						1					
7A	5125970	ADAPTOR (6.38" DEV. L.)							1				1
7A	5126893	ADAPTOR (24.56" DEV. L.)								1			
7A	5126322	ADAPTOR (22.70" DEV. L.)									1	1	
7A	137400	NUT, 7/16" INV. FL. TUBE (12.9460)			1								
		* OBSOLETE.											
		@ NOT SERVICED. USE PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.											
		4.6040 - CLIP, DIPSTICK											
	5151108	CLIP, 1/2" (12.4095)	1										
	5153473	CLIP 1/2"								1			
	5168001	CLIP, 1/2" (12.4095)		1									

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 136	139	142	143	144	147	148	149	150	151	152
		4.6040 - CLIP, DIPSTICK (CONT'D)											
	5161873	CLIP, 7/16" (7.4412)					1				1	1	
	5188969	BRACKET (4.1540)								1			
	5159393	BRACKET, CLIP (4.1575)		1									
	181333	BOLT, 5/16"-24X5/8" (12.9001)								1			
	179835	BOLT, 3/8"-16X5/8" (12.9001)		1									
	5163834	WASHER, 5/16" FLAT (BRASS) (5.5600)										1	
	103320	LOCKWASHER, 5/16" (12.9200)								1			
	103321	LOCKWASHER, 3/8" (12.9200)		1									
	114493	NUT, 5/16"-24 HEX. (12.9120)								1			
	120376	NUT, 5/16"-18 HEX. (12.9120)										1	
	102635	NUT, 3/8"-16 HEX. (12.9120)		1									

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 153	155	157	159	162	163	164	165	171	172	173	175
		4.6001 - DIPSTICK												
		▪ FOR TYPE 188 USE TYPE 193.▪												
7A	**5125979**	# DIPSTICK (X-17.75", Y-1", Z-16.20") (8921989 KIT)	1											
7A	**5125975**	DIPSTICK (X-11.25",Y-1.06",Z-9.60")		1										
7A	**5128749**	# DIPSTICK (X-24.25", Y-1.38", Z-21.86") (8921988 KIT)			1									
7A	**5126140**	# DIPSTICK (X-25.14", Y-1.06", Z-23.00") (8921988 KIT)				1								
7A	**5128169**	# DIPSTICK (X-17.75", Y-1.06", Z-15.60") (8921989 KIT)					1							
7A	**5147080**	DIPSTICK (X-44.25") (UNMARKED)						1						
7A	**5128171**	# DIPSTICK (X-19.50", Y-1.16", Z-17.58") (8921989 KIT)							1					
7A	**5128170**	# DIPSTICK (X-18.50", Y-1.06", Z-16.52") (8921989 KIT)								1				
7A	**5125976**	# DIPSTICK (X-12.50", Y-1.16", Z-10.66") (8921989 KIT)									1			
7B	**5117792**	# DIPSTICK (X-12.25", Y-1.10", Z-10.20") (8921987 KIT)										1		
7A	**5128315**	# DIPSTICK (X-44.00", Y-1", Z-41.38") (8921989 KIT)											1	
7A	**5129033**	# DIPSTICK (X-33.74", Y-1.03", Z-29.62") (8921989 KIT)												1
		# NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL (.75" L.) (RUBBER)			1									
		4.6020 - GUIDE, DIPSTICK												
7A	**5151430**	GUIDE (1 1/2"L.)			1	1		1				1		
	442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)	1	1			1		1	1	1		1	
		4.6030 - ADAPTOR, DIPSTICK												
7A	**5125971**	+ ADAPTOR (12.38" DEV. L., 7/16"O.D.)	1				1		1	1				
7A	**5125970**	ADAPTOR (6.18" DEV. L.)		1							1			
7A	**5126139**	ADAPTOR (20.20" DEV. L.)			1	1								
7A	**5126892**	ADAPTOR (22.78" DEV. L.)						1						
7B	**5128240**	ADAPTOR (6.18" DEV. L.)										1		
7A	**5128327**	+ ADAPTOR (38.10" DEV. L.)											1	
7A	**5128950**	ADAPTOR (25.62" DEV. L.)												1
		+ OBSOLETE.												
		4.6040 - CLIP, DIPSTICK												
	5151108	CLIP (12.4095)			1	1								
	5153473	CLIP						1						
	5161875	CLIP											1	1
	5160629	SPACER (4.2270)			1	1								
	5188969	BRACKET (4.1540)						1						
	181333	BOLT, 5/16"-24X5/8" (12.9001)						1						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1	1								1
	103320	LOCKWASHER, 5/16" (12.9200)						1						
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR								AR

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 153	155	157	159	162	163	164	165	171	172	173	175
	4.6040	- CLIP, DIPSTICK (CONT'D)												
	114493	NUT, 5/16"-24 HEX. (12.9120)						1						

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 176	177	178	185	190	193	199	201	202	203	204	206
		4.6001 - DIPSTICK												
		• FOR TYPE 188 USE TYPE 193.▪												
7B	**5162889**	* DIPSTICK (X-36.50", Y-1.30", Z-34.40") (8921987 KIT)	1											
7A	**5129034**	* DIPSTICK (X-28.00", Y-1.03", Z-25.36") (8921989 KIT)		1										
7A	**5126046**	* DIPSTICK (X-14.50", Y-1.38", Z-12.34") (8921989 KIT)			1									
7B	**5126144**	* DIPSTICK (X-33.25", Y-1.28", Z-31.10") (8921987 KIT)				1								
7A	**5127717**	* DIPSTICK (X-13.25", Y-1", Z-11.25") (8921989 KIT)					1							
7A	**5162950**	* DIPSTICK (X-43.00", Y-1", Z-41.38") (8921988 KIT)						1						
7B	**5117793**	* DIPSTICK (X-17.25", Y-1.28", Z-14.67") (8921987 KIT)							1					
7A	**5129025**	* DIPSTICK (X-28.00", Y-1.06", Z-26.24") (8921988 KIT)								1			1	
7A	**5109259**	* DIPSTICK (X-18.00", Y-1.18", Z-16.12") (8921988 KIT)										1		
7A	**5108616**	* DIPSTICK (X-35.34", Y-1.44", Z-30.30") (8921988 KIT)												1
		* *NOT SERVICED. USE NUMBER SHOWN IN PARENTHESES.*												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL (.75" L.) (RUBBER)						1		1		1	1	1
		4.6020 - GUIDE, DIPSTICK												
7A	**5151430**	GUIDE (1 1/2"L.) + NOT SERVICED; USE 5146680 DIPSTICK KIT (UNMARKED).	1			1			1	1	1		1	1
7A	**5131786**	GUIDE (3.62"L.)						1						
	442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)			1		1					1		
		4.6030 - ADAPTOR, DIPSTICK												
7A	**5125970**	ADAPTOR (6.18" DEV. L.)										1		
7A	**5128951**	ADAPTOR (21.68" DEV. L.)		1										
7B	**5129305**	ADAPTOR (26.76" DEV. L.)				1								
7A	**5125563**	ADAPTOR (8.42" DEV. L.)			1		1							
7A	**5127206**	ADAPTOR (38.10" DEV. L.)						1						
7B	**5162892**	ADAPTOR (30.12" DEV. L.)	1											
7B	**5129306**	ADAPTOR (10.56" DEV. L.)							1					
7A	**5127484**	ADAPTOR (23.22" DEV. L.)								1				
7A	**5129594**	* ADAPTOR (20.50" DEV. L.)											1	
7A	**5100110**	ADAPTOR (20.16" DEV. L.)												1
7A	**137400**	NUT, 7/16" INV. FL. TUBE (12.9460) * NOT SERVICED USE 5109280 PLUS SD-229.			1		1							
		4.6040 - CLIP, DIPSTICK												
	5153473	CLIP												1
	5131426	CLIP	1											
	5161875	CLIP		1										

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 176	177	178	185	190	193	199	201	202	203	204	206
	4.6040	**- CLIP, DIPSTICK (CONT'D)**												
	5168001	CLIP (12.4095)				1		1		1			1	
	5160629	SPACER (4.2270)		1									1	
	5108976	BRACKET (4.1575)				1								
	5126358	BRACKET												1
	5176933	STUD (5/16"-18-24X1.44") (1.7340)												1

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 176	177	178	185	190	193	199	201	202	203	204	206
		4.6040 - CLIP, DIPSTICK (CONT'D)												
	179835	BOLT, 3/8"-16X5/8" (12.9001)				1								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1									1	1
	181360	BOLT, 3/8"-24X3/4" (12.9001)		1										
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)								1			1	
	122223	BOLT, 7/16"-14X5/8" (12.9001)		AR		AR								AR
	103321	LOCKWASHER, 3/8" (12.9200)								1			1	
	103322	LOCKWASHER, 7/16" (12.9200)				1								1
	102635	NUT, 3/8"-16 HEX. (12.9120)												

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 208	210	211	212	214	215	217	219	220	221	222	223
		4.6001 - DIPSTICK												
7B	5117793	@ DIPSTICK (X-17.25", Y-1.28", Z-14.67") (8921987 KIT)	1											
7B	5129933	@ DIPSTICK (X-18.50", Y-1.15", Z-16.55") (8921987 KIT)		1										
7A	5129555	@ DIPSTICK (X-32.76", Y-1.38", Z-30.38") (8921988 KIT)			1									
7A	5129035	@ DIPSTICK (X-33.74", Y-1.44", Z-31.16") (8921989 KIT)				1								
7A	5108845	@ DIPSTICK (X-38.25", Y-1.30", Z-35.12") (8921988 KIT)					1							
7A	5162926	@ DIPSTICK (X-15.00", Y-1.38", Z-12.47") (8921988 KIT)						1						
7A	5162941	@ DIPSTICK (X-28.00", Y-1.18", Z-25.68") (8921988 KIT)							1					
7A	5100168	@ DIPSTICK (X-28.56", Y-1.75", Z-26.00") (8921988 KIT)								1				
7A	5129025	@ DIPSTICK (X-28.00", Y-1.06", Z-26.24") (8921988 KIT)									1			
7A	5143409	@ DIPSTICK (X-11.00", Y-1.24", Z-9.12") (8921988)										1		
7A	5117791	@ DIPSTICK (X-20.00", Y-1.15", Z-17.55") (8921987 KIT)											1	
7A	5109433	DIPSTICK (X-40.00",Y-1",Z-38.08")												1
		@ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL (.75" L.) (RUBBER)					1		1	1	1	1		
		4.6020 - GUIDE, DIPSTICK												
7A	5151430	GUIDE (1 1/2"L.)	1	1	1		1	1	1	1	1	1	1	1
	442324	CONNECTOR, 7/16" TUBE X 1/4" PIPE (12.9460)				1								
		4.6030 - ADAPTOR, DIPSTICK												
7B	5108619	ADAPTOR (11.68" DEV. L.)	1											
7B	5129916	ADAPTOR (14.44" DEV. L.)		1										
7A	5112153	+ ADAPTOR (26" DEV. L.)			1									
7A	5128950	ADAPTOR (25.62" DEV. L.)				1								
7A	5108751	ADAPTOR (30" DEV. L.)					1							
7A	5129561	* ADAPTOR (10.50" DEV. L.) (5109621)						1						
7A	5108933	ADAPTOR (26.62" DEV. L.)							1					
7A	5100050	+ ADAPTOR (21.50" DEV. L.)								1				
7A	5108866	ADAPTOR (23.72" DEV. L.)									1			
7A	5109230	ADAPTOR (6.76" DEV. L.)										1		
7A	5109232	ADAPTOR (35.20" DEV. L.)												1
7A	5142061	ADAPTOR (7.33" DEV. L.)											1	
7A	137401	NUT, 1/2" FL. TUBE (12.9460)						1						
		+ OBSOLETE.												
		* NOT SERVICED. USE PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 208	210	211	212	214	215	217	219	220	221	222	223
		4.6040 - CLIP, DIPSTICK												
	5161875	CLIP				1								
	5153473	CLIP					1		1	1				
	5151108	CLIP (12.4095)									1			

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 208	210	211	212	214	215	217	219	220	221	222	223
		4.6040 - CLIP, DIPSTICK (CONT'D)												-
	5160629	SPACER (4.2270)				1								
	5108753	BRACKET (SUPPORT)					1							
	5109000	BRACKET, CLIP							1					
	5126358	BRACKET (SUPPORT)								1				
	5181325	BRACKET (4.8042)									1			
	181333	BOLT, 5/16"-24X5/8" (12.9001)							1					
	179835	BOLT, 3/8"-16X5/8" (12.9001)							1					
	180121	BOLT, 3/8"-16X7/8" (12.9001)					1							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1								
	106284	BOLT, 3/8"-24X5/8" (12.9001)									1			
	181360	BOLT, 3/8"-24X3/4" (12.9001)								1				
	103341	WASHER, 3/8" FLAT (12.9190)									1			
	103320	LOCKWASHER, 5/16" (12.9200)							1					
	103321	LOCKWASHER, 3/8" (12.9200)				1	1		1	1	1			
	114493	NUT, 5/16"-24 HEX. (12.9120)							1					
	123221	NUT, 3/8"-16 HEX. (12.9120)				1	1		1					
	117049	NUT, 3/8"-24 HEX. (12.9120)								1	1			

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 224	225	229	230	234	237	239	244	249	260	263	264
		4.6001 - DIPSTICK												
7A	**5117791**	+ DIPSTICK (X-20.00", Y-1.15", Z-17.55") (8921987 KIT)										1		
7A	**5109268**	+ DIPSTICK (X-31.00", Y-1.44", Z-29.04") (8921988 KIT)	1											
7A	**5162949**	+ DIPSTICK (X-39.00", Y-1.12", Z-36.88") (8921988 KIT)		1										
7A	**5100180**	+ DIPSTICK (X-22.12", Y-1.30", Z-19.70") (8921988 KIT)			1									
7A	**5132589**	+ DIPSTICK (X-27.00", Y-1.28", Z-24.62") (8921988 KIT)				1								
7A	**5178426**	+ DIPSTICK (X-58.00", Y-1", Z-56.32") (8921988)					1							
7A	**5112409**	+ DIPSTICK (X-33 9/16") (UNMARKED) (8921988 KIT)						1						
7A	**5100169**	+ DIPSTICK (X-24.25", Y-1.20", Z-22.14") (8921988 KIT)							1					
7A	**5127232**	DIPSTICK (X-30.00", Y-1", Z-27.76")								1				
7A	**5127710**	+ DIPSTICK (X-12.50", Y-1.15", Z-10.12") (8921989 KIT)									1			
7B	**5130678**	+ DIPSTICK (X-36.25", Y-1.50", Z-33.75") (8921987 KIT)											1	
7B	**5126144**	+ DIPSTICK (X-33.25", Y-1.28", Z-31.10") (8921987 KIT)												1
		+ NOT SERVICED; USE NUMBER IN PARENTHESES.												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL (.75" L.) (RUBBER)	1		1	1	1	1	1	1				
		4.6020 - GUIDE, DIPSTICK												
7A	**5151430**	GUIDE (1 1/2"L.)		1				1	1				1	1
7A	**5131786**	GUIDE (3.62"L.)	1				1							
7A	**5172794**	GUIDE (8"L.)			1									
7A	**5120861**	GUIDE (4 5/8"L.)				1				1				
7A	**5176827**	GUIDE (5 5/8"L.)										1		
	442324	CONNECTOR, 7/16" TUBE X 1/4" PIPE (12.9460)									1			
		4.6030 - ADAPTOR, DIPSTICK												
7A	**5112153**	+ ADAPTOR (26" DEV. L.)						1						
7A	**5108340**	ADAPTOR (24.06" DEV. L.)	1											
7A	**5109280**	ADAPTOR (33.34" DEV. L.)		1										
7A	**5129304**	ADAPTOR (10.56" DEV. L.)			1									
7A	**5109115**	ADAPTOR (21.50" DEV. L.)				1								
7A	**5170510**	ADAPTOR (53.08" DEV. L.)					1							
7A	**5100110**	ADAPTOR (22.25" DEV. L.)							1					
7A	**5129580**	ADAPTOR (24.44" DEV. L.)								1				
7A	**5125970**	ADAPTOR (6.38" DEV. L.)									1			
7A	**5108228**	ADAPTOR (32.12" DEV. L.)											1	
7B	**5129305**	ADAPTOR (26.76" DEV. L.)												1
		+ OBSOLETE.												
		4.6040 - CLIP, DIPSTICK												
	5153473	CLIP				1		1	1					
	5108485	CLIP	1											
	5168001	CLIP (12.4095)		1			1			1			1	

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 224	225	229	230	234	237	239	244	249	260	263	264
	4.6040	**- CLIP, DIPSTICK (CONT'D)**												
	5109020	CLIP											1	

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 224	225	229	230	234	237	239	244	249	260	263	264
		4.6040 - CLIP, DIPSTICK (CONT'D)												
	5170860	CLIP												1
	5160629	SPACER (4.2270)		1										1
	5126358	BRACKET (SUPPORT)						1	1					
	5155464	BRACKET, CLIP (7.1582)				1								
	5130498	BRACKET (SUPPORT)												1
	186629	BOLT, 5/16"-18X1" (12.9001)											1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)				1								1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1						1				
	181360	BOLT, 3/8"-24X3/4" (12.9001)						1	1					
	120393	WASHER, 5/16" (12.9190)				2								
	103321	LOCKWASHER, 3/8" (12.9200)		1		1		1	1	1				1
	103320	LOCKWASHER, 5/16" (12.9200)				2								
	123197	NUT, 5/16"-18 HEX. (12.9120)											1	
	117049	NUT, 3/8"-24 HEX. (12.9120)						1	1					
	102634	NUT, 5/16-18 HEX. (12.9120)				1								1

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 270	283	287	292	296	300	308	309	312	313	318	321
		4.6001 - DIPSTICK												
		▪ FOR TYPE 293 USE TYPE 736.▪												
7A	5109288	# DIPSTICK (X-11.00", Y-1.25", Z-8.62") (8921988 KIT)	1											
7A	5129025	# DIPSTICK (X-28.00", Y-1.06", Z-26.34") (8921988 KIT)		1										
7A	5109267	# DIPSTICK (X-24.00", Y-1.25", Z-22.22") (8921988 KIT)			1									
7A	5162949	# DIPSTICK (X-39.00", Y-1.12", Z-36.88") (8921988 KIT)				1								
7A	5162928	# DIPSTICK (X-16.00", Y-1.60", Z-13.30") (8921988 KIT)					1							
7B	5117792	# DIPSTICK (X-12.25", Y-1.10", Z-10.20") (8921987 KIT)						1						
7A	5131796	DIPSTICK (X-27.00", Y-1.28", Z-25.14")							1					
7A	5131815	# DIPSTICK (X-29.00", Y-1.38", Z-27.14") (8921988 KIT)								1				
7A	5109257	# DIPSTICK (X-19.00", Y-1.38", Z-16.25") (8921988 KIT)									1			
7B	5131854	# DIPSTICK (X-14.25", Y-1.38", Z-12.09") (8921987 KIT)										1		
7A	5162935	# DIPSTICK (X-24.25", Y-1.20", Z-22.14") (8921988 KIT)											1	
7A	5132055	# DIPSTICK (X-31.00", Y-1.92", Z-28.50") (8921988 KIT)												1
		# NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL (.75" L.) (RUBBER)	1	1			1		1	1	1		1	
		4.6020 - GUIDE, DIPSTICK												
7A	5151430	GUIDE (1 1/2"L.)	1			1					1		1	1
7A	5172794	GUIDE (8"L.)			1									
7A	5176827	GUIDE (5 5/8"L.)		1				1						
7A	5120861	GUIDE (4 5/8"L.)					1		1			1		
7A	5131786	GUIDE (3.62"L.)								1				
		4.6030 - ADAPTOR, DIPSTICK												
7A	5173855	ADAPTOR (6.40" DEV. L.)	1											
7A	5131246	ADAPTOR (21.34" DEV. L.)		1					1					
7A	5131400	ADAPTOR (12.24" DEV. L.)			1									
7A	5130843	ADAPTOR (34.92" DEV. L.)				1								
7A	5109755	ADAPTOR (6.00" DEV. L.)					1							
7B	5128240	ADAPTOR (6.18" DEV. L.)						1						
7A	5129580	ADAPTOR (24.44" DEV. L.)								1				
7A	5177920	ADAPTOR (7.20" DEV. L.)									1			
7A	5196780	ADAPTOR (8.40"L.)										1		
7A	5131608	ADAPTOR (21.78" DEV. L.)											1	
7A	5100110	ADAPTOR (22.25" DEV. L.)												1
		4.6040 - CLIP, DIPSTICK												
	5153473	CLIP				1							1	1
	5168001	CLIP, 1/2" (12.4095)		1					1	1				
	5170860	CLIP, 1/2" (4.6040)												1

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 270	283	287	292	296	300	308	309	312	313	318	321
		4.6040 - CLIP, DIPSTICK (CONT'D)												
	5129362	BRACKET (7.1587)		1										
	5173189	BRACKET (ADAPTOR MOUNTING) (9.1591)				1								
	5126358	BRACKET, SUPPORT												1
	5176400	BRACKET, CLIP (4.8010)							1					
	5160629	SPACER (13/32"X7/32") (4.2270)								1				
	5176933	STUD (5/16" X 1.44" L.) (EXHAUST MANIFOLD) (1.7340)												1
	5126530	PLUG, CLIP ANCHOR (7.7010)												1
	186676	BOLT, 1/4"-20X5/8" (12.9001)		1										
	179839	BOLT, 3/8"-16X1 1/8" (12.9001)							1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)								1				
	5104597	BOLT, 3/8"-16 X 5/8" W/SEAL PATCH					1							
	106284	BOLT, 3/8"-24X5/8" (12.9001)				1								
	181360	BOLT, 3/8"-24X3/4" (12.9001)											1	1
	120393	WASHER, 1/4" FLAT (12.9190)		1										
	103341	WASHER, 3/8" FLAT (12.9190)							1					
	103319	LOCKWASHER, 1/4" (12.9200)		1										
	103321	LOCKWASHER, 3/8" (12.9200)				1			1	1			1	1
	123390	NUT, 1/4"-20 HEX. (12.9120)		1										
	114493	NUT, 5/16"-24 HEX. (12.9120)												1
	122236	NUT, 3/8"-24 HEX. JAM (12.9120)				1								
	102635	NUT, 3/8"-16 HEX. (12.9120)							1					
	117049	NUT, 3/8"-24 HEX. (12.9120)											1	1

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3222	3227	3229	3231	3232	3236	3239	3240	3241	3242	3245
		4.6001 - DIPSTICK											
7A	**5131907**	# DIPSTICK (X-44.00", Y-1.32", Z-41.38") (8921988 KIT)	1										
7A	**5109252**	# DIPSTICK (X-11.00", Y-.62", Z-9.00") (8921988 KIT)		1									
7A	**5162941**	# DIPSTICK (X-28.00", Y-1.18", Z-25.68") (8921988 KIT)			1								
7A	**5109264**	# DIPSTICK (X-12.00", Y-1.12", Z-10.00") (8921988 KIT)				1							
7A	**5162942**	# DIPSTICK (X-28.00", Y-1.75", Z-25.44") (8921988 KIT)					1						
7A	**5131805**	# DIPSTICK (X-27.00", Y-1", Z-25.58") (8921988 KIT)						1					
7B	**5132440**	DIPSTICK (X-33.25",Y-1.44",Z-31.10")							1				
7A	**5162921**	# DIPSTICK (X-11.00", Y-.88", Z-9.00") (8921988 KIT)								1		1	
7A	**5162926**	# DIPSTICK (X-15.00", Y-1.38", Z-12.47") (8921988 KIT)									1		
7A	**5109259**	# DIPSTICK (X-18.00", Y-1.18", Z-16.12") (8921988 KIT)											1
		# NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.											
		4.6010 - GASKET, DIPSTICK											
	5106906	SEAL (.75" L.) (RUBBER)	1	1	1	1	1			1	1	1	1
		4.6020 - GUIDE, DIPSTICK											
7A	**5151430**	GUIDE (1 1/2"L.)	1	1			1		1	1	1		1
7A	**5120861**	GUIDE (4 5/8"L.)			1	1		1				1	
	137401	NUT, 1/2" TUBE (12.9460)		1									
		4.6030 - ADAPTOR, DIPSTICK											
7A	**5131246**	ADAPTOR (21.34" DEV. L.)						1					
7A	**5131735**	ADAPTOR (36.88"L.)	1										
7A	**5109613**	* ADAPTOR (5.30"L.)		1									
7A	**5178024**	ADAPTOR (22.50" DEV. L.)			1								
7A	**5178168**	ADAPTOR (5.84" DEV. L.)				1							
7A	**5177863**	ADAPTOR (21.70" DEV. L.)					1						
7B	**5132439**	ADAPTOR (21.72" DEV. L.)							1				
7A	**5109754**	ADAPTOR (5.68" DEV. L.)								1		1	
7A	**5132419**	@ ADAPTOR (5.59" DEV. L.)									1		
7A	**5109787**	ADAPTOR (12.96" DEV. L.)											1
		* NOT SERVICED; USE 5109621 CUT TO DESIRED LENGTH.											
		@ OBSOLETE.											
		4.6040 - CLIP, DIPSTICK											
	5153473	CLIP			1		1						
	5168001	CLIP, 1/2" (12.4095)	1					1					
	5126358	BRACKET, SUPPORT					1		1				
	5155464	BRACKET (7.1582)			1								
	5176933	STUD (5/16"X1.44"L.) (EXHAUST MANIFOLD)							1				
	180120	BOLT, 3/8"-16X3/4" (12.9001)			1								
	181360	BOLT, 3/8"-24X3/4" (12.9001)					1		1				
	103321	LOCKWASHER, 3/8" (12.9200)			1		1		1				

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 322	327	329	331	332	336	339	340	341	342	345
	4.6040	**- CLIP, DIPSTICK (CONT'D)**											
	114493	NUT, 5/16"-24 HEX. (12.9120)							1				
	102635	NUT, 3/8"-16 HEX. (12.9120)			1								
	117049	NUT, 3/8"-24 HEX. (12.9120)					1		1				

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 346	347	348	349	351	353	355	357	361	365	368	372
		4.6001 - DIPSTICK												
7A	5162938	* DIPSTICK (X-26.00", Y-1.06", Z-24.47") (8921988 KIT)	1											
7A	5162941	* DIPSTICK (X-28.00", Y-1.18", Z-25.68") (8921988 KIT)		1										
7A	5109264	* DIPSTICK (X-12.00", Y-1.12", Z-10.00") (8921988 KIT)			1					1	1			
7A	5131934	DIPSTICK (X-59.50",Y-1.32",Z-58.00")				1								
7A	5162667	DIPSTICK (X-26.32", Y-1.46", Z-23.46")					1							
7A	5131796	DIPSTICK (X-27.00", Y-1.28", Z-25.14")						1						
7A	5109268	* DIPSTICK (X-31.00", Y-1.44", Z-29.04") (8921988 KIT)							1					
7A	5162926	* DIPSTICK (X-15.00", Y-1.38", Z-12.47") (8921988 KIT)										1		
7A	5131815	* DIPSTICK (X-29.00", Y-1.38", Z-27.14") (8921988 KIT)											1	
7B	5133075	* DIPSTICK (X-19.25", Y-1.44", Z-17.06") (8921987 KIT)												1
		* NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL (.75" L.) (RUBBER)	1	1	1	1		1	1			1	1	
		4.6020 - GUIDE, DIPSTICK												
7A	5151430	GUIDE (1 1/2"L.)	1		1		1		1		1	1	1	1
7A	5120861	GUIDE (4 5/8"L.)		1		1				1				
7A	5131786	GUIDE (3.62"L.)						1						
	137401	NUT, 1/2" TUBE (12.9460)										1	1	
		4.6030 - ADAPTOR, DIPSTICK												
7A	5177998	ADAPTOR (22.55" DEV. L.)	1											
7A	5109799	* ADAPTOR (22.12" DEV. L.)		1										
7A	5109757	ADAPTOR (6.76" DEV. L.)			1					1				
7A	5179403	* ADAPTOR (55" DEV. L.)				1								
7A	5109776	ADAPTOR (21.62" DEV. L.)					1							
7A	5132815	ADAPTOR (22.06" DEV. L.)						1						
7A	5177862	ADAPTOR (21.00" DEV. L.)							1					
7A	5109752	ADAPTOR (5.34" DEV. L.)									1			
7A	5109621	ADAPTOR (8.06" DEV. L.)										1		
7A	5132989	ADAPTOR (20.20" DEV. L.)											1	
7B	5133203	ADAPTOR (14.06" DEV. L.)												1
		* OBSOLETE. NO REPLACEMENT.												
		4.6040 - CLIP, DIPSTICK												
	5161873	CLIP, 7/16" (7.4412)					1							
	5161875	CLIP, 7/16"					1							
	5151108	CLIP, 1/2" (12.4095)	1											
	5168001	CLIP, 1/2" (12.4095)		1										1
	5170860	CLIP, 1/2"				1	1							
	5153473	CLIP, 1/2"							1					
	140582	CLIP, 1/2" CLOSED (12.9630)											1	
	5181325	BRACKET, CLIP (4.8042)	1											
	5155464	BRACKET, CLIP (7.1582)				1								
	5184060	* BRACKET, CLIP				1								

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3466	3477	3488	3499	3511	3533	3555	3577	3611	3655	3688	3772
		4.6040 - CLIP, DIPSTICK (CONT'D)												
	5126358	BRACKET, CLIP							1					
	5114210	SUPPORT, CLIP (4.8042)											1	
	5160629	SPACER (13/32"X7/32") (4.2270)		1										
	5196119	SPACER, 13/32"X7/8"X3/8" (3.4001)				1								
	5176933	STUD (5/16"X1.44") (1.7340)							1					
	5126530	PLUG, CLIP ANCHOR (7.7010)					1							
	186618	BOLT, 5/16"-18X5/8" (12.9001)				2								
	181596	BOLT, 5/16"-24X7/8" CAD. (12.9001)					1							
	179837	BOLT, 3/8"-16X3/4" (12.9001)												1
	179839	BOLT, 3/8"-16X1" (12.9001)												1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1										
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)				1								
	106284	BOLT, 3/8"-24X5/8" (12.9001)	1											
	181360	BOLT, 3/8"-24X3/4" (12.9001)							1				1	
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)		1										
	106261	WASHER, 5/16" (12.9190)					1							
	103341	WASHER, 3/8" (12.9190)	1											
	103320	LOCKWASHER, 5/16" (12.9200)				AR	AR							
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR					AR					AR
	123197	NUT, 5/16"-18 (12.9120)				2								
	114493	NUT, 5/16"-24 (12.9120)							1					
	102635	NUT, 3/8"-16 (12.9120)												1
	117049	NUT, 3/8"-24 (12.9120)	1						1					
	5121887	NUT, 3/8"-24 (3.5001)											1	
		* OBSOLETE. NO REPLACEMENT.												
		4.6060 - PLATE, DIPSTICK ADAPTOR												
	5144535	PLATE												1

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3744	3745	3746	3749	3781	3785	3792	3793	3794	3795	3797
		4.6001 - DIPSTICK											
7A	**5109264**	+ DIPSTICK (X-12.00", Y-1.12", Z-10.00") (8921988 KIT)			1				1				
7A	**5109268**	+ DIPSTICK (X-31.00", Y-1.44", Z-29.04") (8921988 KIT)										1	
7B	**5133075**	+ DIPSTICK (X-19.25", Y-1.44", Z-17.06") (8921987 KIT)				1	1						
7A	**5131914**	+ DIPSTICK (X-58.00",Y-1.32",Z-55.34") (8921988)	1										
7A	**5129025**	+ DIPSTICK (X-28.00", Y-1.06", Z-26.24") (8921988 KIT)		1									
7A	**5131902**	+ DIPSTICK (X-24.00",Y-1.32",Z-21.80") (8921988)						1					
7A	**5131903**	+ DIPSTICK (X-24.00", Y-1.32", Z-21.50") (8921988 KIT)								1			
7A	**5162950**	+ DIPSTICK (X-43.00", Y-1", Z-41.38") (8921988 KIT)									1		
7A	**5109259**	+ DIPSTICK (X-18.00", Y-1.18", Z-16.12") (8921988 KIT)											1
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.											
		4.6010 - GASKET, DIPSTICK											
	5106906	SEAL (.75" L.) (RUBBER)	1	1	1					1	1		1
		4.6020 - GUIDE, DIPSTICK											
7A	**5151430**	GUIDE (1 1/2"L.)			1	1	1						
7A	**5120861**	GUIDE (4 5/8"L.)	1							1			1
7A	**5131786**	GUIDE (3.62"L.)									1		
7A	**5176827**	GUIDE (5 5/8"L.)		1				1	1			1	
		4.6030 - ADAPTOR, DIPSTICK											
7A	**5109752**	ADAPTOR (5.34" DEV. L.)							1				
7A	**5131736**	ADAPTOR (51.68" DEV. L.)	1										
7A	**5131246**	ADAPTOR (21.34" DEV. L.)		1									
7A	**5109751**	ADAPTOR (5.06" DEV. L.)			1								
7A	**5133076**	* ADAPTOR (13.44" DEV. L.)				1							
7A	**5129916**	ADAPTOR (14.44" DEV. L.)					1						
7A	**5109787**	ADAPTOR (12.96" DEV. L.)											1
7A	**5132288**	ADAPTOR (16.30" DEV. L.)						1					
7A	**5133887**	ADAPTOR (18.10" DEV. L.)								1			
7A	**5109769**	ADAPTOR (24.62" DEV. L.)										1	
7A	**5109792**	* ADAPTOR (37.68" DEV. L.)									1		
		* OBSOLETE											
		4.6040 - CLIP, DIPSTICK											
	5168001	CLIP, 1/2" (12.4095)		1									
	5109020	CLIP, 1/2"									1	1	
	5160629	SPACER (13/32"X7/32") (4.2270)										1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										1	

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 398	399	406	413	416	420	424	426	428	431	435	439
	4.6001	**- DIPSTICK**												
7B	**5131822**	+ DIPSTICK (X-11.25", Y-1.30", Z-9.00") (8921987 KIT)							1					
7A	**5109264**	+ DIPSTICK (X-12.00", Y-1.12", Z-10.00") (8921988 KIT)												1
7A	**5109256**	+ DIPSTICK (X-16.00", Y-1.18", Z-14.25") (8921988 KIT)				1								
7A	**5109257**	+ DIPSTICK (X-19.00", Y-1.38", Z-16.25") (8921988 KIT)						1						
7A	**5109564**	+ DIPSTICK (X-19.00", Y-1.09", Z-16.52") (8921988 KIT)		1										
7A	**5109265**	+ DIPSTICK (X-21.00", Y-1.30", Z-19.20") (8921988 KIT)					1							
7B	**5121432**	+ DIPSTICK (X-22", Y-.95", Z-20") (8921987 KIT)	1											
7A	**5132589**	+ DIPSTICK (X-27.00", Y-1.28", Z-24.62") (8921988 KIT)			1									
7B	**5135238**	+ DIPSTICK (X-29", Y-1.28", Z-26.69") (8921987 KIT)									1			
7B	**5126144**	+ DIPSTICK (X-35.25", Y-1.28", Z-31.10") (8921987 KIT)										1		
7A	**5134038**	+ DIPSTICK (X-41.00", Y-1.44", Z-38.70") (8921988 KIT)											1	
7A	**5135058**	+ DIPSTICK (X-61.00", Y-1.24", Z-59.10") (8921988 KIT)								1				
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
	4.6010	**- GASKET, DIPSTICK**												
	5106906	SEAL (.75" L.) (RUBBER)		1	1	1	1	1		1		1	1	1
	4.6020	**- GUIDE, DIPSTICK**												
7A	**5151430**	GUIDE (1 1/2"L.)		1	1	1		1				1	1	
7A	**5131786**	GUIDE (3 5/8"L.)					1				1			
7A	**5120861**	GUIDE (4 5/8"L.)	1						1	1				
7A	**5176827**	GUIDE (5 5/8"L.)												1
	4.6030	**- ADAPTOR, DIPSTICK**												
7A	**5109751**	ADAPTOR (5.06" DEV. L.)												1
7B	**5128240**	ADAPTOR (6.18" DEV. L.)							1					
7A	**5108851**	* ADAPTOR (7.16" DEV. L.)				1								
7A	**5109615**	@ ADAPTOR (7.16" DEV. L.) (5109621)						1						
7A	**5109787**	ADAPTOR (12.96" DEV. L.)		1										
7B	**5129916**	ADAPTOR (14.44" DEV. L.)	1											
7A	**5132288**	ADAPTOR (16.30" DEV. L.)					1							
7B	**5135239**	ADAPTOR (17.34" DEV. L.)									1			
7A	**5133928**	ADAPTOR (22.62" DEV. L.)			1									
7B	**5129305**	ADAPTOR (26.76" DEV. L.)										1		
7A	**5133945**	ADAPTOR (37.54" DEV. L.)											1	
7A	**5135057**	ADAPTOR (54.32" DEV. L.)								1				
7A	**137401**	NUT, 1/2" FL. TUBE (12.9460)											1	
		* NOT SERVICED; USE 5142061 PLUS (1) 5117791.												
		@ NOT SERVICED; USE PART NUMBER IN PARENTHESES CUT TO DESIRED LENGTH.												

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 398	399	406	413	416	420	424	426	428	431	435	439
		4.6040 - CLIP, DIPSTICK												
	5153473	CLIP 1/2"			1									
	5161875	CLIP 7/16"										1		
	5134239	CLIP											1	

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4.6000A DIPSTICK

4.6040 - CLIP, DIPSTICK (CONT'D)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 398	399	406	413	416	420	424	426	428	431	435	439
	5126358	BRACKET, CLIP			1									
	5163503	BRACKET, CLIP (4.3050)											1	
	186676	BOLT, 1/4"-20X5/8" (12.9001)											1	
	179835	BOLT, 3/8"-16X5/8" (12.9001)				1								
	181360	BOLT, 3/8"-24X3/4" (12.9001)			1									
	120392	WASHER, 1/4" FLAT (12.9190)											1	
	5152148	WASHER, 3/8" FLAT COPPER (2.4050)				1								
	103342	WASHER, 7/16" FLAT (12.9190)										1	1	
	120380	LOCKWASHER, 1/4" (12.9200)											1	
	103321	LOCKWASHER, 3/8" (12.9200)			1									
	123179	NUT, 1/4"-20 HEX. (12.9120)											1	
	117049	NUT, 3/8"-24 HEX. (12.9120)			1									

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 442	443	447	449	451	452	453	454	455	456	459
		4.6001 - DIPSTICK											
7A	**5162926**	+ DIPSTICK (X-15.00", Y-1.32", Z-12.47") (8921988 KIT)									1		
7A	**5109259**	+ DIPSTICK (X-18.00", Y-1.18", Z-16.12") (8921988 KIT)		1						1			
7A	**5100180**	+ DIPSTICK (X-22.12", Y-1.30", Z-19.70") (8921988 KIT)											1
7B	**5137881**	+ DIPSTICK (X-26", Y-1.46", Z-23.45") (8921987 KIT)				1							
7A	**5135797**	+ DIPSTICK (X-32.00", Y-1.18", Z-30.38") (8921988)							1				
7A	**5131898**	+ DIPSTICK (X-37.00", Y-1.32", Z-35.26") (8921988 KIT)	1		1								
7B	**5136221**	DIPSTICK (X-43",Y-1.44",Z-40.45")										1	
7A	**5131915**	+ DIPSTICK (X-57.00", Y-1.32", Z-55.00") (8921988 KIT)					1						
		+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.											
		4.6010 - GASKET, DIPSTICK											
	5106906	SEAL (.75" L.) (RUBBER)		1					1	1	1		1
		4.6020 - GUIDE, DIPSTICK											
7A	**5151430**	GUIDE (1 1/2"L.)				1			1	1		1	
7A	**5131786**	GUIDE (3 5/8"L.)						1					
7A	**5120861**	GUIDE (4 5/8"L.)					1				1		
7A	**5176827**	GUIDE (5 5/8"L.)	1		1								
7A	**5172794**	GUIDE (8"L.)		1									1
		4.6030 - ADAPTOR, DIPSTICK											
7B	**5136089**	ADAPTOR (37.75" DEV. L.)										1	
7A	**5176773**	@ ADAPTOR (6.08" DEV. L.) (5109621)		1									
7A	**5121061**	@ ADAPTOR (8.50" DEV. L.) (5109621)									1		
7A	**5136152**	ADAPTOR (9.90" DEV. L.)											1
7A	**5109788**	ADAPTOR (11.50" DEV. L.)								1			
7A	**5132989**	ADAPTOR (20.12" DEV. L.)							1				
7B	**5137880**	ADAPTOR (22.40" DEV. L.)				1							
7A	**5131738**	* ADAPTOR (32.12" DEV. L.)	1										
7A	**5131737**	* ADAPTOR (32.12" DEV. L.)			1								
7A	**5131736**	ADAPTOR (51.68" DEV. L.)					1						
7A	**137401**	NUT, 1/2" FL. TUBE (12.9460)		1					1		1		
		@ NOT SERVICED; USE PART NUMBER IN PARENTHESES CUT TO DESIRED LENGTH.											
		* OBSOLETE.											
		4.6040 - CLIP, DIPSTICK											
	5134239	CLIP										1	
	5151108	CLIP 1/2" (12.4095)				1							
	140582	CLIP 1/2" (12.9630)							1				
	5163503	BRACKET, CLIP (4.3050)										1	
	5114210	BRACKET, CLIP (4.8042)							1				
	186676	BOLT, 1/4"-20X5/8" (12.9001)										1	
	181360	BOLT, 3/8"-24X3/4" (12.9001)							1				
	120392	WASHER, 1/4" FLAT (12.9190)										1	
	120380	LOCKWASHER, 1/4" (12.9200)										1	

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 442	443	447	449	451	452	453	454	455	456	459
		4.6040 - CLIP, DIPSTICK (CONT'D)											
	123179	NUT, 1/4"-20 HEX. (12.9120)										1	
	5121887	NUT, 3/8"-24 HEX. (3.5001)							1				

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 462	464	468	471	475	477	483	486	493	494	501	502
		4.6001 - DIPSTICK												
7B	5135238	# DIPSTICK (X-28.25", Y-1.28", Z-25.94") (8921987 KIT)	1											
7A	5131631	# DIPSTICK (X-60.00", Y-1.24", Z-57.36") (8921988 KIT)		1										
7A	5132593	# DIPSTICK (X-27.00", Y-.68", Z-25.38") (8921988 KIT)			1									
7A	5129025	# DIPSTICK (X-28.00", Y-1.06", Z-26.24") (8921988 KIT)				1								
7A	5162950	# DIPSTICK (X-43.00", Y-1.00", Z-41.38") (8921988 KIT)						1						
7B	5137323	# DIPSTICK (X-12.25", Y-.72", Z-10.64") (8921987 KIT)							1					
7A	5162667	DIPSTICK (X-26.32", Y-1.46", Z-23.46")								1				
7A	5127390	# DIPSTICK (X-59.00", Y-1.00", Z-57.50") (8921988 KIT)									1			
7A	5130975	# DIPSTICK (X-25.00", Y-.94", Z-23.50") (8921988 KIT)										1		
7A	5131815	# DIPSTICK (X-29.00", Y-1.38", Z-27.14") (8921988 KIT)											1	
7A	5122393	# DIPSTICK (X-33.00", Y-1.06", Z-31.18") (8921988 KIT)												1
		# NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL (.75" L.) (RUBBER)		1	1	1		1			1	1	1	1
		4.6020 - GUIDE, DIPSTICK												
7A	5151430	GUIDE (1 1/2"L.)			1				1	1		1	1	
7A	5131786	GUIDE (3 5/8"L.)	1				1							
7A	5120861	GUIDE (4 5/8"L.)		1				1			1			
7A	5176827	GUIDE (5 5/8"L.)				1								1
		4.6030 - ADAPTOR, DIPSTICK												
7B	5136845	ADAPTOR (7.74" DEV. L.)							1					
7A	5132989	ADAPTOR (20.12" DEV. L.)										1		
7A	5109776	ADAPTOR (21.62" DEV. L.)								1				
7A	5137153	ADAPTOR (22.08" DEV. L.)			1									
7A	5137310	ADAPTOR (22.34" DEV. L.)				1								
7A	5138221	ADAPTOR (22.58" DEV. L.)											1	
7A	5138846	+ ADAPTOR (23.64" DEV. L.)												1
7B	5131738	ADAPTOR (32.12" DEV. L.)	1											
7A	5131735	ADAPTOR (36.88" DEV. L.)						1						
7A	5109960	ADAPTOR (54.32" DEV. L.)		1							1			
	137401	NUT, 1/2" FL. TUBE (12.9460)										1		
		+ OBSOLETE. NO REPLACEMENT.												
		4.6040 - CLIP, DIPSTICK												
	5153473	CLIP, 1/2"			1									
	5168001	CLIP, 1/2" (12.4095)				1		1					1	1
	5161875	CLIP, 7/16"								1				
	140582	CLIP, 1/2" CLOSED (12.9630)										1		
	5109000	BRACKET, CLIP			1									
	5163503	BRACKET, CLIP (4.3050)								1				
	5114210	BRACKET, CLIP (4.8042)										1		
	5108976	SUPPORT											1	

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 462	464	468	471	475	477	483	486	493	494	501	502
	4.6040	**- CLIP, DIPSTICK (CONT'D)**												
	179816	BOLT, 5/16"-18X3/4" (12.9001)								1				

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 462	464	468	471	475	477	483	486	493	494	501	502
		4.6040 - CLIP, DIPSTICK (CONT'D)												
	181333	BOLT, 5/16"-24X5/8" (12.9001)			1									
	179835	BOLT, 3/8"-16X5/8" (12.9001)			1								1	
	181360	BOLT, 3/8"-24X3/4" (12.9001)										1		
	103342	WASHER, 7/16" FLAT (12.9190)												1
	103320	LOCKWASHER, 5/16" (12.9200)			1					1				
	103321	LOCKWASHER, 3/8" (12.9200)			1								1	
	120375	NUT, 5/16"-18 HEX. (12.9120)								1				
	114492	NUT, 5/16"-24 HEX. (12.9120)			1									
	102635	NUT, 3/8"-16 HEX. (12.9120)											1	
	5121887	NUT, 3/8"-24 HEX. (3.5001)										1	1	

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5006	5110	5111	5113	5114	5116	5117	5122	5127	5133	5134
		4.6001 - DIPSTICK											
7B	5135238	# DIPSTICK (X-28.25", Y-1.28", Z-25.94") (8921987 KIT)		1									
7A	5132593	# DIPSTICK (X-27.00", Y-.68", Z-25.38") (8921988 KIT)										1	
7A	5138819	+ DIPSTICK (X-41.00",Y-2.06",Z-37.75")	1										
7A	5162949	# DIPSTICK (X-39.00", Y-1.12", Z-36.88") (8921988 KIT)			1								
7A	5136973	# DIPSTICK (X-30.00", Y-1.36", Z-26.70") (8921988 KIT)				1							
7B	5137570	DIPSTICK (X-59.78",Y-1.38",Z-57.90")					1						
7A	5130195	# DIPSTICK (X-36.00", Y-1.18", Z-34.32") (8921988 KIT)						1					
7A	5131503	# DIPSTICK (X-35.00", Y-1.06", Z-33.20") (8921988 KIT)							1				
7A	5138573	# DIPSTICK (X-43.00", Y-1.18", Z-36.88") (8921988 KIT)								1			
7A	5133194	# DIPSTICK (X-43.00", Y-1.32", Z-39.60") (8921988 KIT)									1		
7A	5109253	# DIPSTICK (X-12.00", Y-.94", Z-10.54") (8921988 KIT)											1
		# NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.											
		+ NOT SERVICED; USE 5146680 AND INCLUDE 18SP-154.											
		4.6010 - GASKET, DIPSTICK											
	5106906	SEAL (.75" L.) (RUBBER)	1			1			1	1	1	1	1
		4.6020 - GUIDE, DIPSTICK											
7A	5121062	GUIDE (1 1/8"L.)		1									
7A	5151430	GUIDE (1 1/2"L.)				1			1			1	1
7A	5120861	GUIDE (4 5/8"L.)			1					1	1		
7A	5176827	GUIDE (5 5/8"L.)					1						
7A	5135007	GUIDE (6 1/2" L.)	1										
7A	5172794	GUIDE (8"L.)						1					
		4.6030 - ADAPTOR, DIPSTICK											
7A	5109621	ADAPTOR (15.18" DEV. L.)											1
	5136663	* ADAPTOR (20.70" DEV. L.)		1									
7A	5108933	ADAPTOR (21.36" DEV. L.)				1							
7A	5137153	ADAPTOR (22.08" DEV. L.)										1	
7A	5135219	* ADAPTOR (24.38" DEV. L.)						1					
7A	5178492	ADAPTOR (29.10" DEV. L.) (SD-231)			1								
7A	5138952	* ADAPTOR (30.25" DEV. L.)							1				
7B	5131738	* ADAPTOR (32.12" DEV. L.)	1										
7A	5139462	ADAPTOR (35.88" DEV. L.)									1		
7A	5131735	ADAPTOR (36.88" DEV. L.)								1			
7B	5137586	* ADAPTOR (53.25" DEV. L.)					1						
	137401	NUT, 1/2" FL. TUBE (12.9460)						1					1
		* OBSOLETE.											
		4.6040 - CLIP, DIPSTICK											
	5153473	CLIP, 1/2"				1	1					1	
	5168001	CLIP, 1/2" (12.4095)			1								
	140582	CLIP, 1/2" CLOSED (12.9630)						1					
	5131426	CLIP, 1/2"		1					1				

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 506	510	511	513	514	516	517	522	527	533	534
	4.6040	**- CLIP, DIPSTICK (CONT'D)**											
	5109000	BRACKET				1							
	5114210	BRACKET (4.8042)						1					

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 506	510	511	513	514	516	517	522	527	533	534
		4.6040 - CLIP, DIPSTICK (CONT'D)											
	5137571	BRACKET, CLIP (4.6030)					1						
	181333	BOLT, 5/16"-24X5/8" (12.9001)				1							
	179835	BOLT, 3/8"-16X5/8" (12.9001)				1							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					1						
	181360	BOLT, 3/8"-24X3/4" (12.9001)						1					
	181361	BOLT, 3/8"-24X7/8" (12.9001)					1						
	103320	LOCKWASHER, 5/16" (12.9200)				1							
	103321	LOCKWASHER, 3/8" (12.9200)				1	1						
	114493	NUT, 5/16"-24 HEX. (12.9120)				1							
	5121887	NUT, 3/8"-24 HEX. (3.5001)						1					
	117049	NUT, 3/8"-24 HEX. (12.9120)					1						

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 536	538	540	546	557	564	585	588	591	592	600	603
		4.6001 - DIPSTICK												
7A	5136973	* DIPSTICK (X-30.00", Y-1.36", Z-26.70") (8921988 KIT)	1											
7B	5108563	* DIPSTICK (X-18.25", Y-1.30", Z-16.17") (8921987 KIT)		1										
7A	5131815	* DIPSTICK (X-29.00", Y-1.38", Z-27.14") (8921988 KIT)			1									
7B	5135238	* DIPSTICK (X-28.25", Y-1.28", Z-25.94") (8921987 KIT)				1								
7B	5140127	* DIPSTICK (X-23.10", Y-1.38", Z-21.10") (8921987 KIT)					1							
7B	5137881	* DIPSTICK (X-25.25", Y-1.46", Z-22.70") (8921987 KIT)						1						
7A	5109258	* DIPSTICK (X-18.00", Y-1.00", Z-15.88") (8921988 KIT)							1					
7A	5139972	* DIPSTICK (X-31.00", Y-2.16", Z-28.16") (8921988 KIT)								1				
7B	5136718	* DIPSTICK (X-21.25", Y-1.56", Z-17.80") (8921987 KIT)									1	1		
7A	5162929	* DIPSTICK (X-17.00", Y-2.38", Z-13.32") (8921988 KIT)											1	
7A	5162934	* DIPSTICK (X-23.00", Y-1.18", Z-20.88") (8921988 KIT)												1
		* NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL (.75" L.) (RUBBER)	1		1				1					1
		4.6020 - GUIDE, DIPSTICK												
7A	5121062	GUIDE (1 1/8"L.)	1			1								
7A	5151430	GUIDE (1 1/2"L.)		1			1	1		1			1	1
7A	5131786	GUIDE (3.62"L.)									1			
7A	5120861	GUIDE (4 5/8"L.)							1					
7A	5176827	GUIDE (5 5/8"L.)			1							1		
7A	137401	NUT, 1/2" TUBE (12.9460)			1									
		4.6030 - ADAPTOR, DIPSTICK												
7A	5173855	ADAPTOR (6.40" DEV. L.)											1	
7B	5136845	ADAPTOR (7.74" DEV. L.)		1										
7A	5109788	ADAPTOR (11.50" DEV. L.)							1					
7A	5129916	ADAPTOR (14.44" DEV. L.)									1			
7B	5140148	* ADAPTOR (17.18" DEV. L.)					1							
7A	5132989	ADAPTOR (20.20" DEV. L.)								1				
7A	5177862	ADAPTOR (21" DEV. L.)												1
7B	5137880	ADAPTOR (22.40" DEV. L.)						1						
7A	5140836	ADAPTOR (23.26" DEV. L.)			1									
7A	5108340	ADAPTOR (24.06" DEV. L.)	1											
7B	5140201	+ ADAPTOR (24.27" DEV. L.)				1								
7B	5137671	ADAPTOR ASSY. (7.94" DEV. L.)										1		
7A	137401	NUT, 1/2" FL. TUBE (12.9460)								1				
		* OBSOLETE.												
		+ NOT SERVICED; USE 5143998, 8921987 KIT.												

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 536	538	540	546	557	564	585	588	591	592	600	603
		4.6040 - CLIP, DIPSTICK												
	5108485	CLIP	1											
	5131426	CLIP, 1/2"					1	1						
	5151108	CLIP, 1/2" (12.4095)			1									

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 536	538	540	546	557	564	585	588	591	592	600	603
		4.6040 - CLIP, DIPSTICK (CONT'D)												
	140582	CLIP, 1/2" CLOSED (12.9630)				1				1				
	5153473	CLIP, 1/2"												1
	5114541	BRACKET, CLIP (7.1585)			1									
	5114210	BRACKET, CLIP (4.8042)				1				1				
	5108612	BRACKET, CLIP (4.4345)						1						
	180120	BOLT, 3/8"-16X3/4" (12.9001)						1						
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)					1							
	5104507	BOLT, 3/8"-24 X 5/8" W/SEAL PATCH										1		
	181360	BOLT, 3/8"-24X3/4" (12.9001)			1	1				1				
	103341	WASHER, 3/8" FLAT (12.9190)			AR		AR							
	103321	LOCKWASHER, 3/8" (12.9200)			AR		AR	AR				AR		
	102635	NUT, 3/8"-16 HEX. (12.9120)						AR						
	117049	NUT, 3/8"-24 HEX. (12.9120)			1									
	5121887	NUT, 3/8"-24 HEX. (3.5001)				1			1					

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 607	614	618	627	630	632	633	635	644	647	649
		4.6001 - DIPSTICK											
7B	**5140127**	* DIPSTICK (X-23.10", Y-1.38", Z-21.10") (8921987 KIT)			1								
7B	**5137881**	* DIPSTICK (X-25.25", Y-1.46", Z-22.70") (8921987 KIT)	1										
7A	**5140916**	* DIPSTICK (X-17", Y-1.46", Z-14.38") (8921988 KIT)		1									
7B	**5143066**	* DIPSTICK (X-40.25", Y-1.25", Z-38.30") (8921987 KIT)				1							
7B	**5126144**	* DIPSTICK (X-33.25", Y-1.28", Z-31.10") (8921987 KIT)						1	1				
7B	**5144774**	* DIPSTICK (X-34.08, Y-1.28, Z-31.10") (8921987 KIT)								1			
7B	**5140125**	* DIPSTICK (X-14.25", Y-1.40", Z-10.35") (8921987 KIT)									1		
7A	**5162941**	* DIPSTICK (X-28", Y-1.18", Z-25.68") (8921988 KIT)										1	
7B	**5145854**	* DIPSTICK (X-27.25", Y-1.56", Z-25.00") (8921987 KIT)											1
7B	**5142367**	* DIPSTICK (X-29.25", Y-1.38", Z-26.62") (8921987 KIT)					1						
		* NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.											
		4.6010 - GASKET, DIPSTICK											
	5106906	SEAL (.75" L.) (RUBBER)		1								1	
		4.6020 - GUIDE, DIPSTICK											
7A	**5121062**	GUIDE (1 1/8"L.)							1	1			
7A	**5151430**	GUIDE (1 1/2"L.)	1	1	1						1	1	
7A	**5120861**	GUIDE (4 5/8"L.)					1						
	5168497	GUIDE (7 1/4"L.)						1					1
7A	**5169972**	GUIDE (8 5/16"L.)				1							
7A	**137401**	NUT, 1/2" TUBE (12.9460)		1									
		4.6030 - ADAPTOR, DIPSTICK											
7A	**5109617**	ADAPTOR (8.06" DEV. L.)		1									
7B	**5143241**	ADAPTOR (10.06" DEV. L.)									1		
7B	**5140148**	* ADAPTOR (17.18" DEV. L.)			1								
7A	**5136663**	ADAPTOR (20.70" DEV. L.)	1										
7B	**5120497**	ADAPTOR (21.06" CONSTRUCTED L.)											1
7A	**5108933**	ADAPTOR (21.36" DEV. L.)										1	
7B	**5137880**	ADAPTOR (22.40" DEV. L.)				1	1						
	5143781	ADAPTOR (22.40" DEV. L.)						1					
	5142192	ADAPTOR (26.20" DEV. L.)								1			
	5143672	ADAPTOR (26.25" DEV.L.)				1							
7B	**5143998**	ADAPTOR (29.66" DEV. L.)							1				
7A	**137401**	NUT, 1/2" FL. TUBE (12.9460)						1					
		* OBSOLETE.											
		4.6040 - CLIP, DIPSTICK											
	5131426	CLIP, 1/2"	1				1			1			
	140582	*CLIP, 1/2" CLOSED (12.9630)*						1	1				
	5153473	CLIP, 1/2"			1								
	5109020	CLIP, 1/2"										1	
	5118351	CLIP, 2" (5.2190)			1								
	5114210	BRACKET, CLIP (4.8042)						1	1				

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 607	614	618	627	630	632	633	635	644	647	649
	4.6040	- CLIP, DIPSTICK (CONT'D)											
	5108612	BRACKET, CLIP (4.4345)					1						

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 607	614	618	627	630	632	633	635	644	647	649
		4.6040 - CLIP, DIPSTICK (CONT'D)											
	5188248	BRACKET, CLIP (7.1606)								1			
	5144629	BRACKET, CLIP (90 DEG.)										1	
	5144456	BRACKET, SUPPORT											1
	5134534	BRACKET (7.8203)			1								1
	9139801	CLAMP, 5/8" (12.9660)											1
	5104597	BOLT, 3/8"-16 X 5/8" W/SEAL PATCH										1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)			2		1		1	1			
	179838	BOLT, 3/8"-16X7/8" (12.9001)						1	1				
	179839	BOLT, 3/8"-16X1" (12.9001)			AR					AR		AR	
	181360	BOLT, 3/8"-24X3/4" (12.9001)			AR		AR			AR		AR	AR
	103341	WASHER, 3/8" FLAT (12.9190)			AR		AR			AR		1	
	103321	LOCKWASHER, 3/8" (12.9200)						1	1				
	102635	NUT, 3/8"-16 HEX. (12.9120)											
	5121887	NUT, 3/8"-24 HEX. (3.5001)											

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 651	668	670	671	676	678	680	691	705	706	707	709	712
		4.6001 - DIPSTICK													
7B	**5144632**	+ DIPSTICK (X-34.25", Y-2.16", Z-31.00") (8921987 KIT)	1												
7A	**5131503**	+ DIPSTICK (X-35", Y-1.06", Z-33.20") (8921988 KIT)		1											
7B	**5143561**	+ DIPSTICK (X-11.25", Y-1.12", Z-9.25") (8921987 KIT)			1	1									
7B	**5144774**	+ DIPSTICK (X-34.88", Y-1.50", Z-32.62") (8921987 KIT)					1								
7B	**5135238**	+ DIPSTICK (X-28.25", Y-1.28", Z-25.94") (8921987 KIT)						1							
7B	**5143495**	+ DIPSTICK (X-14.25", Y-1.38", Z-11.72") (8921987 KIT)							1				1		
7B	**5117791**	+ DIPSTICK (X-19.25", Y-1.15", Z-16.80") (8921987 KIT)								1					
7B	**5121432**	+ DIPSTICK (X-21.25", Y-.95", Z-19.25") (8921987 KIT)									1				
7B	**5130678**	+ DIPSTICK (X-36.25", Y-1.50", Z-33.75") (8921987 KIT)										1			
7B	**5147093**	+ DIPSTICK (X-30.25", Y-.94", Z-28.06") (8921987 KIT)													1
7B	**5109254**	+ DIPSTICK (X-13", Y-1.40", Z-10.94") (8921988 KIT)												1	
		+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.													
		4.6010 - GASKET, DIPSTICK													
	5106906	SEAL (.75" L.) (RUBBER)		1											
		4.6020 - GUIDE, DIPSTICK													
7A	**5121062**	GUIDE (1 1/8"L.)					1								
7A	**5151430**	GUIDE (1 1/2"L.)		1	1	1		1	1		1		1		1
7A	**5176827**	GUIDE (5 5/8"L.)								1					
7B	**5137864**	GUIDE (5 3/4"L.)										1			
7B	**5168497**	GUIDE (7 1/4"L.)	1												
7B	**5131786**	GUIDE (3 5/8" L.)												1	
	137401	NUT, 1/2" TUBE (12.9460)												1	
		4.6030 - ADAPTOR, DIPSTICK													
7B	**5143572**	ADAPTOR (4.88" DEV. L.)				1									
7B	**5129561**	@ ADAPTOR (10.50" DEV. L.) (5109621)												1	
7B	**5143569**	ADAPTOR (5.16" DEV. L.)			1										
7B	**5142061**	ADAPTOR (7.33" DEV. L.)								1					
7B	**5137671**	ADAPTOR (7.94" DEV. L.)											1		
7B	**5143574**	ADAPTOR (8.06"L.)							1						
7B	**5129916**	ADAPTOR (14.44" DEV. L.)									1				
7B	**5120497**	ADAPTOR (21.06" DEV. L.)	1												
7B	**5137880**	ADAPTOR (22.03" DEV. L.)						1							
7B	**5137762**	ADAPTOR (23.18" DEV. L.)													1
		@ NOT SERVICED; USE STANDARD LENGTH TUBE NUMBER SHOWN IN PARENTHESES.													
7A	**5127231**	ADAPTOR (24.06" DEV. L.)		1											
7B	**5143998**	ADAPTOR (29.66" DEV. L.)										1			
7B	**5142192**	ADAPTOR (31.41" DEV. L.)					1								

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4.6000A DIPSTICK

4.6040 - CLIP, DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 651	668	670	671	676	678	680	691	705	706	707	709	712
	5168001	CLIP, 1/2" TUBE (12.4095)		1											1
	5153473	CLIP, 1/2" TUBE					1								
	5131426	CLIP, 1/2" TUBE						1							
	9139801	CLAMP, 5/8" (12.9660)	1									1			
	5144456	BRACKET, SUPPORT	1									1			
	5188969	BRACKET, CLIP (4.1540)					1								
	5108612	BRACKET, CLIP (4.4345)						1							
	5173022	SUPPORT, CLIP (5.5379)		1											

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 651	668	670	671	676	678	680	691	705	706	707	709	712
	4.6040	**CLIP, DIPSTICK (CONT'D)**													
	5164225	STUD, 5/16"-18X1 7/16" (5.2020)		1											
	186625	BOLT, 5/16"-18X7/8" (12.9001)					1								
	181333	BOLT, 5/16"-24X5/8" (12.9001)		1											
	179835	BOLT, 3/8"-16X5/8" (12.9001)								1					
	179839	BOLT, 3/8"-16X1" (12.9001)						1							
	120393	WASHER, 5/16" FLAT (12.9190)		1											
	5152148	WASHER, 3/8"X9/16" SEAL (COPPER) (2.4050)								1					
	103320	LOCKWASHER, 5/16" (12.9200)		1			1								
	103321	LOCKWASHER, 3/8" (12.9200)						1		1					
	114493	NUT, 5/16"-24 HEX. (12.9120)		1											
	123197	NUT, 5/16"-18 HEX. (12.9120)					1								
	102635	NUT, 3/8"-16 HEX. (12.9120)						1							

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 713	730	734	736	742	743	749	750	752	753	754
		4.6001 - DIPSTICK											
7B	**5121432**	+ DIPSTICK (X-21.25", Y-.95", Z-19.25") (8921987 KIT)		1									
7B	**5140127**	+ DIPSTICK (X-23.10", Y-1.38", Z-21.10") (8921987 KIT)	1										
7B	**5131822**	+ DIPSTICK (X-11.25", Y-1.30", Z-9.00") (8921987 KIT)			1								
7A	**5109288**	+ DIPSTICK (X-11.00", Y-1.25", Z-8.62") (8921988 KIT)				1							
7B	**5145854**	+ DIPSTICK (X-27.25", Y-1.56", Z-25.00") (8921987 KIT)					1						
7B	**5142367**	+ DIPSTICK (X-29.25", Y-1.38", Z-26.62") (8921987 KIT)						1					
7B	**5117793**	+ DIPSTICK (X-17.25", Y-1.28", Z-14.67") (8921987 KIT)							1				
7B	**3354558**	DIPSTICK								1			
7A	**5109564**	+ DIPSTICK (X-19.00", Y-1.09", Z-16.52") (8921988 KIT)									1		
7B	**5140125**	+ DIPSTICK (X-14.25", Y-1.40", Z-10.35") (8921987 KIT)										1	
7B	**5162889**	+ DIPSTICK (X-36.50", Y-1.30", Z-34.40") (8921987 KIT)											1
		+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.											
		4.6020 - GUIDE, DIPSTICK											
7B	**5120861**	GUIDE										1	
7A	**5121062**	GUIDE (1 1/8"L.)	1										
7A	**5151430**	GUIDE (1 1/2"L.)		1	1	1			1	1	1		
7A	**5176827**	GUIDE (5 5/8"L.)					1	1					
7B	**5168497**	GUIDE (7 1/4"L.)											1
		4.6030 - ADAPTOR, DIPSTICK											
7B	**3354557**	ADAPTOR							1	1		1	
7A	**5131618**	ADAPTOR (4.84" DEV. L.)				1							
7A	**5196780**	ADAPTOR (8.40" DEV. L.)			1								
7A	**5109788**	ADAPTOR (11.50" DEV. L.)									1		
7B	**5139363**	ADAPTOR (10.08" DEV. L.)		1									
7B	**5146530**	* ADAPTOR (20.6"L.)	1										
7B	**5147814**	ADAPTOR (21.00" DEV. L.)					1						
7B	**5146551**	ADAPTOR (22.10" DEV. L.)						1					
	5143672	ADAPTOR (26.25" DEV. L.)											1
		* NOT SERVICED, USE 5126144 PLUS (1) 5101560.											

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 758	759	762	764	766	774	779	780	781	789	794	795
		4.6001 - DIPSTICK												
7A	5132960	# DIPSTICK (X-16.00", Y-.80", Z-14.88") (8921988 KIT)	1											
7B	5143561	# DIPSTICK (X-12.10", Y-1.12", Z-8.20") (8921987 KIT)		1										
7B	5108563	# DIPSTICK (X-18.25", Y-1.30", Z-16.17") (8921987 KIT)			1									
7B	5136718	# DIPSTICK (X-21.25", Y-1.56", Z-17.80") (8921987 KIT)				1								
7B	5131854	# DIPSTICK (X-14.25", Y-1.38", Z-12.09") (8921987 KIT)					1							
7B	5148967	DIPSTICK (X-26.25",Y-1.32",Z-23.57")						1						
7A	5117793	# DIPSTICK (X-17.25", Y-1.28", Z-14.67") (8921987 KIT)							1					
7A	5117792	# DIPSTICK (X-13", Y-1.10", Z-10.45") (8921987 KIT)								1				
7A	5109268	# DIPSTICK (X-31", Y-1.44", Z-29.04") (8921988 KIT)									1			
7B	5135238	# DIPSTICK (X-28.25", Y-1.28", Z-25.94") (8921987 KIT)										1		
7B	5148219	DIPSTICK (X-11.25",Y-.94",Z-9.12")											1	
7B	5137672	# DIPSTICK (X-16.50", Y-1.60", Z-14.14") (8921987 KIT)												1
		# NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL (.75" L.) (RUBBER)	1								1			
		4.6020 - GUIDE, DIPSTICK												
7A	5121062	GUIDE (1 1/8"L.)										1		
7A	5151430	GUIDE (1 1/2"L.)		1			1	1	1	1			1	
7A	5131786	GUIDE (3.62"L.)				1								
7A	5120861	GUIDE (4 5/8"L.)	1											
7A	5176827	GUIDE (5 5/8"L.)			1									
7A	5173274	GUIDE (6 1/2"L.)									1			
7A	5135007	GUIDE (6 1/2" L.)												1
		4.6030 - ADAPTOR, DIPSTICK												
7A	5143452	ADAPTOR							1					
7A	5145515	ADAPTOR (5.90"L.)											1	
7B	5128240	ADAPTOR (6.20" DEV. L.)												1
7B	5142061	ADAPTOR (7.42" DEV. L.)			1					1				
7B	5137671	ADAPTOR (8.20" DEV. L.)		1			1							
7A	5109760	ADAPTOR (10.44"L.)	1											
7B	5148736	ADAPTOR (16.38"L.)				1								
7A	5101004	ADAPTOR (20.73" DEV. L.)										1		
7A	5131246	ADAPTOR (21.34" DEV. L.)									1			
7B	5148904	ADAPTOR (23.08" DEV. L.)						1						
		4.6040 - CLIP, DIPSTICK												
	5131426	CLIP, 1/2" TUBE						1				1		
	5168001	CLIP (12.4095)									1			
	5104597	BOLT, 3/8"-16 X 5/8" W/SEAL PATCH			1									
	103321	LOCKWASHER, 3/8" (12.9200)			1									

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 798	801	802	806	807	812	823	826	829	836	847	854	892	895
		4.6001 - DIPSTICK														
		▪ FOR TYPE 862 USE TYPE 996.▪														
7A	**5109292**	* DIPSTICK (X-21.12", Y-1.50", Z-12.24") (8921988 KIT)	1													
7B	**5132440**	DIPSTICK (X-33.25",Y-1.28",Z-31.10")		1												
7B	**5129933**	* DIPSTICK (X-18.50", Y-1.15", Z-16.55") (8921987 KIT)			1											
7A	**5162941**	* DIPSTICK (X-28.00", Y-1.18", Z-25.68") (8921988 KIT)				1										
7B	**5126144**	* DIPSTICK (X-33.25", Y-1.28", Z-31.30") (8921987 KIT)					1									
7B	**5147676**	DIPSTICK (X-30.38",Y-1.05",Z-28.58") (9.4012)						1								
7B	**5140126**	* DIPSTICK (X-15.25) (8921987 KIT)							1							
7B	**5109595**	* DIPSTICK (X-31.25", Y-1.30", Z-35.80") (8921987 KIT)								1						
7B	**5130678**	* DIPSTICK (X-36.25", Y-1.50", Z-1.50") (8921987 KIT)									1					
7B	**5121692**	* DIPSTICK (X-27.25", Y-1.20", Z-24.93) (8921987 KIT)										1				
7B	**5117792**	* DIPSTICK (X-12.25", Y-1.10", Z-10.20") (8921987 KIT)														1
7B	**5162835**	# DIPSTICK (X-11.00", Y-1.16", Z-9.40") (8921988 KIT)											1			
7B	**5109264**	# DIPSTICK (X-12.00", Y-1.12", Z-10.00") (8921988 KIT)												1		
7B	**5104554**	DIPSTICK (X 9.10 Y 1.05 Z 7.30)													1	
		* NOT SERVICED USE NUMBER SHOWN IN PARENTHESES.														
		4.6010 - GASKET, DIPSTICK														
	5106906	SEAL (.75" L.) (RUBBER)	1			1							1	1		
		4.6020 - GUIDE, DIPSTICK														
7A	**5121062**	GUIDE (1 1/8"L.)					1									
7A	**5151430**	GUIDE (1 1/2"L.)		1	1				1		1	1	1	1		
7A	**5131786**	GUIDE (3.62"L.)						1							1	
7A	**5104477**	GUIDE (3.62 L.)														1
	5168497	GUIDE (7 1/4"L.)								1						
7A	**5172794**	GUIDE (8"L.)	1													
	442324	CONNECTOR, 7/16" TUBE X 1/4" PIPE (12.9460)				1										
		4.6030 - ADAPTOR, DIPSTICK														
7B	**5131400**	ADAPTOR (12.24"L.)	1													
7B	**5133203**	ADAPTOR (15.30" DEV. L.)			1											
7B	**5134774**	ADAPTOR (23.20" DEV. L.)				1										
7B	**5129305**	ADAPTOR (27.70" DEV. L.)		1				1		1						
	5141320	ADAPTOR (11.52" DEV. L.)							1							
	5108228	ADAPTOR									1					
	5101560	ADAPTOR (31.11" DEV. L.)					1									
7B	**5142416**	ADAPTOR (23.50 DEV. L.)										1				
7B	**5109751**	ADAPTOR (10.42 DEV. L.)											1			
7B	**5109617**	* ADAPTOR (15.18 DEV. L.)												1		
7B	**5143572**	ADAPTOR (4.88 DEV. L.)													1	
		* NOT SERVICED USE 5109621														

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 798	801	802	806	807	812	823	826	829	836	847	854	892	895
		4.6040 - CLIP, DIPSTICK														
	5168001	CLIP (12.4095)		1			1	1								
	5129435	CLIP, 1" TUBE				1										
	140582	CLIP, 1/2" TUBE (12.9630)								1						

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4.6000A DIPSTICK

4.6040 - CLIP, DIPSTICK (CONT'D)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 798	801	802	806	807	812	823	826	829	836	847	854	892	895
	5109020	CLIP, 1/2 TUBE, 15/32 BOLT									1					
	5153473	CLIP, 1/2 TUBE, 3/8 BOLT										1				
	5176400	BRACKET, CLIP (4.8010)					1									
	5160629	SPACER (4.2270)						1								
	5166565	BRACKET, CLIP (9.1591)								1						
-	5114541	BRACKET (7.1587)									1					
	5143429	BRACKET										1				
	181333	BOLT, 5/16"-24X5/8" (12.9001)					1									
	179838	BOLT, 3/8"-16X7/8" (12.9001)								1						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						1								
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)						1								
	186618	BOLT, 5/16"-18X5/8" (12.9001)									1					
	179816	BOLT, 5/16"-18X3/4" (12.9001)										2				
	120393	WASHER, 11/32" (12.9120)					1				1	2				
	103341	WASHER 3/8" FLAT (12.9120)														
	103321	LOCKWASHER, 3/8" (12.9200)								1						
	103320	LOCKWASHER, 5/16" (12.9200)					1				1	2				
	102635	NUT, 3/8"-16 (12.9120)								1						
	137401	NUT, 1/2 (12.9460)												1		
	114493	NUT, 5/16" (12.9120)					1									
	120376	NUT, 5/16"-18 (12.9120)									1	2				

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 914	950	963	964	965	966	967	968	969	970	971	972	973
		4.6001 - DIPSTICK													
	5144774	* DIPSTICK (X-34.88,-Y.-1.50"-Z-32.62") (8921987)	1												
	5117792	* DIPSTICK (X-13.00",-Y.-1.10"-Z-10.45") (8921987)		1											
	5106548	* DIPSTICK (X-27.37,-Y.-1.39"-Z-25.23") (8921987)			1										
	5162921	* DIPSTICK (X-11.00",-Y.-88"-Z-9.00") (6921988 KIT)				1									-
	5109264	* DIPSTICK (X-12.00",-Y.-1.12"-Z-10.00") (8921988 KIT)					1								
	5143561	* DIPSTICK (X-11.25",-Y.-1.12"-Z-9.25") (8921987 KIT)						1							1
	5162941	* DIPSTICK (X-28.00",-Y.-1.18"-Z-25.68") (8921988)							1					1	
	5131822	* DIPSTICK (X-11.25",-Y.-1.30"-Z-9.00") (8921987)								1					
	5109259	* DIPSTICK (X-18.00",-Y.-1.18"-Z-16.12") (8921988 KIT)									1				
	5132593	* DIPSTICK (X-27.00",-Y.-.68"-Z-25.38") (8921988 KIT)										1			
	5136973	* DIPSTICK (X-30.00",-Y.-1.36"-Z-26.70") (8921988 KIT)											1		
		* NOT SERVICED USE NUMBER IN PARENTHESES.													
		4.6020 - GUIDE, DIPSTICK													
	5151430	GUIDE (1 1/2" L.)	1												
	5104477	GUIDE (3.62" L.)				1	1	1	1	1	1	1	1	1	1
	5120861	GUIDE (4.58")			1										
	5108000	GUIDE (5.62")		1											
		4.6030 - ADAPTOR, DIPSTICK													
	5108228	ADAPTOR	1												
	5128240	ADAPTOR		1						1					
	5137880	ADAPTOR			1										
	5109754	ADAPTOR				1									
	5109751	ADAPTOR					1								
	5143569	ADAPTOR						1							
	5108933	ADAPTOR							1				1	1	
	5109788	ADAPTOR									1				
	5137153	ADAPTOR										1			
	5143572	ADAPTOR													1
		4.6040 - CLIP, DIPSTICK													
	5109020	CLIP, 1/2"	1		1									1	
	5131426	CLIP, 1/2"			1										
	5153473	CLIP, 1/2"				1						1	1		
	5168001	CLIP, 1/2"											1		
	5114541	BRACKET (7.1585)			1										
	5127677	BRACKET, CLIP	1												
	5129361	BRACKET, CLIP (7.1587)	1												
	5108612	BRACKET, CLIP (4.4345)			1										
	5109000	BRACKET, CLIP							1			1	1		
	5144629	BRACKET, CLIP 90 DEG.												1	
	186676	BOLT, 1/4"-20 X 5/8" (12.9001)	1												
	181333	BOLT, 5/16"-24 X 5/8" (12.9001)							1			1	1		
	5104597	BOLT, 3/8"-16 X .625 W/SEAL PATCH							1			1	1		
	179837	BOLT, 3/8"-16 X 3/4"												1	

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 914	950	963	964	965	966	967	968	969	970	971	972	973
	4.6040	**- CLIP, DIPSTICK (CONT'D)**													
	179839	BOLT, 3/8"-16 X 1"			1										
	120392	WASHER, 1/4" FLAT (12.9120)	1												
	103341	WASHER, 3/8" FLAT (12.9120)												1	
	103319	LOCKWASHER, 1/4" (12.9200)	1									1	1		
	103320	LOCKWASHER, 5/16" (12.9200)							1			1	1		
	103321	LOCKWASHER, 3/8" (12.9200)			1				1			1	1	1	
	114493	NUT, 5/16"-24 (12.9120)							1						
	102635	NUT, 3/8"-16 (12.9120)			1									1	

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4.6000A DIPSTICK

PART NUMBER	NAME AND DESCRIPTION	TYPES 974	975	993	996	1009	1010	1025	1039	1040	1041	1042	1053
4.6001 - DIPSTICK													
5147093	* DIPSTICK (X-30.25", Y-94", Z-28.06") (8921987 KIT)	1											
5109259	* DIPSTICK (X-18.00", Y-1.18", Z-16.12") (8921988 KIT)						1			1			
5109264	* DIPSTICK (X-12.00", Y-1.12", Z-10.00") (8921988 KIT)				1	1							
5131815	* DIPSTICK (X-29.00", Y-1.38", Z-27.14") (8921988 KIT)							1					
5131854	* DIPSTICK (X-14.25", Y-1.38", Z-12.09") (8921987 KIT)		1									1	
8921972	DIPSTICK (X-28.90",Y-1.00",Z-26.90")												1
5146679	DIPSTICK (61.00") (18SP-152)			1									
5162921	* DIPSTICK (X-11.00", Y-.88", Z-9.00") (8921988 KIT)								1				
5143561	* DIPSTICK (X-11.25", Y-1.12", Z-9.25") (8921987 KIT)										1		
	* NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.												
4.6020 - GUIDE, DIPSTICK													
5104477	GUIDE (3.62" L.)	1	1		1								
5131786	GUIDE (3.62" L.)			1		1	1	1	1	1	1	1	1
4.6030 - ADAPTOR, DIPSTICK													
5127231	ADAPTOR (22.82" DEV. L.)												1
5137762	ADAPTOR (23.18" DEV. L.)	1											
5109757	ADAPTOR (6.76" DEV. L.)				1	1							
5137671	ADAPTOR (8.20" DEV. L.)		1									1	
5109788	ADAPTOR (11.50" DEV. L.)									1			
5137880	ADAPTOR			1									
5143572	ADAPTOR (4.88" DEV. L.)										1		
5109787	ADAPTOR (12.96" DEV. L.)						1						
5140836	ADAPTOR (23.26" DEV. L.)							1					
4.6040 - CLIP, DIPSTICK													
5168001	CLIP, 1/2" TUBE (12.4095)	1						1					
5114541	BRACKET (7.1580)							1					1
5131426	CLIP, 1/2" (12.4095)			1									
5168001	CLIP, 1/2"												1
5151108	CLIP, 1/2" TUBE							1					
181360	BOLT, 3/8"-24X3/4" (12.9001)							1					
181333	BOLT, 5/16"-24X5/8" (12.9001)												1
120393	WASHER, 5/16" (12.9190)												1
103341	WASHER, 3/8" (12.9190)							1					
103320	LOCKWASHER, 5/16" (12.9200)												1
103321	LOCKWASHER, 3/8" (12.9200)							1					
114493	NUT, 5/16"-24" (12.9120)												1
137201	NUT, 1/2" INV. FL. TUBE (12.9460)							1					
117049	NUT, 3/8" (12.9120)							1					

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1054	1055	1056	1069	1071	1072	1079	1081	1083	1087	1088	1089
		4.6001 - DIPSTICK												
7A	5109268	+ DIPSTICK (X-31.00", Y-1.44", Z-29.04") (8921988 KIT)	1											
7A	5162667	DIPSTICK (X-26.32", Y-1.46", Z-23.46")		1										
7A	5109256	+ DIPSTICK (X-16.00", Y-1.18", Z-14.25") (8921988 KIT)			1									
7A	5109291	+ DIPSTICK (X-20.00", Y-1.75", Z-16.88") (8921988 KIT)				1								
7A	5117791	+ DIPSTICK (X-19.25", Y-1.15", Z-16.80") (8921987 KIT)					1							
7A	5129025	+ DIPSTICK (X-28.00", Y-1.06", Z-26.24") (8921988 KIT)						1						
7A	5109564	+ DIPSTICK (X-19.00", Y-1.09", Z-15.52") (8921988 KIT)							1					
7A	5117792	+ DIPSTICK (X-12.25", Y-1.10", Z-10.20") (8921987 KIT)								1	1			
7A	5131822	+ DIPSTICK (X-11.25", Y-1.30", Z-9.00") (8921987 KIT)											1	
7A	5109264	+ DIPSTICK (X-12.00", Y-1.12", Z-10.00") (8921988 KIT)												1
7A	5162941	+ DIPSTICK (X-28.00", Y-1.18", Z-25.68") (8921988 KIT)										1		
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		4.6020 - GUIDE, DIPSTICK												
7A	5151430	GUIDE (1 1/2" L.)	1		1	1								
7A	5104370	GUIDE (1 1/2" L.)		1										
7A	5108000	GUIDE (5.62" L.)					1							
7A	5131786	GUIDE (3.62" L.)						1	1	1		1	1	1
7A	5176827	GUIDE (3.62" L.)									1			
		4.6030 - ADAPTOR, DIPSTICK												
7A	5177862	ADAPTOR (21.00" DEV. L.)	1											
7A	5109776	ADAPTOR (21.62" DEV. L.)		1										
7A	5109774	ADAPTOR (10.20" DEV. L.)			1									
7A	5109787	ADAPTOR (12.96" DEV. L.)				1								
7A	5142061	ADAPTOR (7.33" DEV. L.)					1			1				
7A	5127484	ADAPTOR (23.22" DEV. L.)						1						
7A	5109788	ADAPTOR (11.50" DEV. L.)							1					
7A	5128240	ADAPTOR (6.20" DEV. L.)									1		1	
7A	5109751	ADAPTOR (5.06" DEV. L.)												1
7A	5108933	ADAPTOR (21.36" DEV. L.)										1		
		4.6040 - CLIP, DIPSTICK												
	8921293	CLIP, 1"	1											
	5161875	CLIP, 7/16"		1										
	8921292	CLIP, 1/2"		1										
	8920714	CLIP, 1.72"		1										
	5168001	CLIP, 1/2"						1						
	5109000	BRACKET CLIP										1		
	5153473	CLIP, 1/2"										1		

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1054	1055	1056	1069	1071	1072	1079	1081	1083	1087	1088	1089
	4.6040	**- CLIP, DIPSTICK (CONT'D)**												
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1	1										
	5104597	BOLT, 3/8"-16X.625" W/SEAL PATCH (12.9001)					1					1		
	181333	BOLT, 5/16"-24X5/8" (12.9001)										1		
	122223	BOLT, 7/16"-14X5/8" (12.9001)						1						
	103321	LOCKWASHER, 3/8" (12.9200)					1					1		
	5185794	LOCKWASHER, SPL	1	1										
	103320	LOCKWASHER, 5/16" (12.9200)										1		
	114493	NUT, 5/16" (12.9120)										1		

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1090	1091	1092	1093	1094	1098	1099	1101	1103	1104	1105	1108	1109
		4.6001 - DIPSTICK													
7A	**5132593**	+ DIPSTICK (X-27.00", Y-.68", Z-25.38")	1												
7A	**5136973**	+ DIPSTICK (X-30.00", Y-1.32", Z-26.70")		1											
7A	**5162941**	+ DIPSTICK (X-28.00", Y-1.18", Z-25.68")			1										
7A	**5143561**	= DIPSTICK (X-11.25", Y-1.12", Z-9.25")				1									
7A	**5147093**	= DIPSTICK (X-30.25", Y-.94", Z-28.06")					1								
7A	**5162667**	DIPSTICK (X-26.32", Y-1.46", Z-23.46")										1			
7A	**5144774**	= DIPSTICK (X-34.08", Y-1.28", Z-31.10")						2							
7A	**5136718**	= DIPSTICK (X-21.25", Y-1.56", Z-17.80")							1						
7A	**2647415**	DIPSTICK (X-15.8", Y-1.40", Z-13.45")								1					
7A	**5126144**	= DIPSTICK (X-33.25", Y-1.28", Z-31.30")									1				
7B	**5162889**	= DIPSTICK (X-36.50", Y-1.30", Z-34.40")											1		
7A	**8921988**	+ DIPSTICK KIT												1	
7A	**5106914**	DIPSTICK (X-32", Y-2.38", Z-28.87")													1
		= NOT SERVICED, USE 5146679 DIPSTICK KIT (UNMARKED).													
		+ NOT SERVICED. USE 5146680 DIPSTICK KIT (UNMARKED).													
		4.6020 - GUIDE, DIPSTICK													
	5131786	GUIDE (3.62" L.)	1	1	1	1	1		1						
	5151430	GUIDE (1 1/2" L.)						2				1	1		1
	5120861	GUIDE (4 5/8" L.)								1					
	5121062	GUIDE (1 1/8" L.)									1				
	5172794	GUIDE (8" L.)												1	
		4.6030 - ADAPTOR, DIPSTICK													
7A	**5108933**	ADAPTOR (21.36" DEV. L.)		1	1										
7A	**5137153**	ADAPTOR (22.08" DEV. L.)	1												
7A	**5143569**	ADAPTOR (5.16" DEV. L.)				1									
7A	**5137762**	ADAPTOR (23.18" DEV. L.)					1								
7A	**5142192**	ADAPTOR (26.20" DEV. L.)						2							
7A	**5148736**	ADAPTOR (16.38" DEV. L.)							1						
7A	**2647416**	ADAPTOR (9.12" DEV. L.)								1					
7A	**8922611**	ADAPTOR (31.18" DEV. L.)									1				
7A	**8922348**	ADAPTOR (23.10" DEV. L.)										1			
7A	**5129304**	ADAPTOR (9.90" DEV. L.)												1	
7A	**5129305**	ADAPTOR (26.76" DEV. L.)													1
7A	**5162892**	ADAPTOR (30.12" DEV. L.)											1		
	137401	NUT, 1/2" (12.9460)													1
		4.6040 - CLIP, DIPSTICK													
	5109000	BRACKET CLIP	1	1											
	5188248	BRACKET, CLIP (7.1606)						1							
	5108976	BRACKET, CLIP (4.1575)						1							1
	5176400	BRACKET, CLIP									1				
	5144629	BRACKET, CLIP 90 DEG.			1								1		
	5182359	BRACKET, CLIP (9.9535)							1						
	5155464	BRACKET, CLIP (7.1582)										1			
	5153473	CLIP, 1/2"	1	1				2							
	5168001	CLIP, 1/2"		1			1				1				1
	5109020	CLIP, 1/2"			1										
	5151108	CLIP, 1/2"							1						
	5170860	CLIP, 1/2"										1			
	5168001	CLIP, 1/2"											1		
	8927578	BOLT, 3/8"-16X3/4" (12.9001)	1	1											1
	179837	BOLT, 3/8"-16X3/4" (12.9001)			1							1			
	8927581	BOLT, 3/8"-16X1" (12.9001)						2							
	181360	BOLT, 3/8"-24X3/4" (12.9001)											1		

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1090	1091	1092	1093	1094	1098	1099	1101	1103	1104	1105	1108	1109
		4.6040 - CLIP, DIPSTICK (CONT'D)													
	186627	BOLT, 3/8"-24X1" (12.9001)							1						
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1	1							1				
	103320	LOCKWASHER, 5/16" (12.9200)	1	1							1				
	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1			2	1			1	1		1
	103341	WASHER, 3/8" (12.9190)			1			2	2				1		
	120393	WASHER, 5/16" (12.9190)									1				
	114493	NUT, 5/16"-24 (12.9120)	1	1							1				
	102635	NUT, 3/8"-16 (12.9120)			1			2				1			1
	103026	NUT, 3/8"-24 (12.9120)							1				1		
	9411981	NUT, 3/8"-24 (12.9120)													1

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 11 11 11 11 11 11 12 15 32 53 59 62
		4.6001 - DIPSTICK	
7A	**5162921**	+ DIPSTICK (X-11.00", Y-.88", Z-9.00")	1
7A	**5126144**	= DIPSTICK (X-33.25", Y-1.28", Z-31.10")	1
7A	**5132440**	DIPSTICK (X-33.25", Y-1.28", Z-31.10")	1 1
7A	**5162926**	+ DIPSTICK (X-15.00", Y-1.38", Z-12.47")	1
7A	**5140916**	+ DIPSTICK (X-17.00", Y-1.46", Z-14.38")	1
		+ NOT SERVICED; USE 5146680 DIPSTICK KIT (UNMARKED).	
		= NOT SERVICED; USE 5146679 DIPSTICK KIT (UNMARKED).	
		4.6020 - GUIDE, DIPSTICK	
	5151430	GUIDE (1 1/2" L.)	1 1 1 1
	5121062	GUIDE (1 1/8" L.)	1
	5131786	GUIDE (5.12" L.)	1
	137401	NUT, 1/2" (12.9460)	1 1 1
		4.6030 - ADAPTOR, DIPSTICK	
7A	**5109621**	ADAPTOR (15.18" DEV. L.)	1
7A	**8922611**	ADAPTOR (30.94" DEV. L.)	1
7A	**5142192**	ADAPTOR (26.20" DEV. L.)	1 1
7A	**5129561**	% ADAPTOR (10.50" DEV. L.)	1
7A	**5109617**	% ADAPTOR (8.06" DEV. L.)	1
		% NOT SERVICED; FOR SERVICE USE 5109621.	
		4.6040 - CLIP, DIPSTICK	
	5179293	BRACKET (4.1510)	1
	5166565	BRACKET, CLIP (9.1591)	1
	5188248	BRACKET, CLIP (7.1606)	1
	5131426	CLIP, 1/2" TUBE, 7/16" BOLT	1
	5153473	CLIP, 1/2"	1 1
	8927581	BOLT, 3/8"-16X1" (12.9001)	1 1
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1
	103341	WASHER, 3/8" (12.9190)	2 2
	103321	LOCKWASHER, 3/8" (12.9200)	1 1 1
	102635	NUT, 3/8"-16 (12.9120)	1 1
	103026	NUT, 3/8"-24 (12.9120)	1

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 111	112	117	118	122	123	131	133	134	135	136	137
		4.7001 - PAN, OIL												
8A	**5117228** *	# PAN (CAST ALUMINUM) (6V)	1											
8A	**5117538**	PAN (CAST IRON) (6V)		1										
8A	**5117229** @	PAN (CAST ALUMINUM) (8V)			1								1	
8A	**5117542**	PAN (CAST IRON) (8V)				1								
10A	**5139697**	PAN (CAST IRON) (6V)						1						
8A	**5121182**	PLUG, 1/4" PIPE (12.9550)	2	2	2	2		2					2	
8A	**189700**	BOLT, 5/16"-18X1 1/4" (W/LW) (12.9001)			4								4	
8A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)	2											
8A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)		4		4		4						
8A	**9419283**	BOLT, 3/8"-16X1 1/2" (W/LW) (12.9001)	20	20	24	24		20					24	
8A	**179848**	BOLT, 3/8"-16X2 1/4" (12.9001)	2		2								2	
8A	**114926**	BOLT, 3/8"-16X4 1/4" (12.9001)		2		2								
8A	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)						2						
8A	**187491**	BOLT, 3/8"-16X5 1/2" (12.9001)		2		2								
8A	**215510**	BOLT, 3/8"-16X5 3/4" (12.9001)						2						
8A	**120393**	WASHER, 5/16" FLAT (12.9190)			4								4	
	106263	WASHER, 3/8" FLAT (12.9190)		4		4		4						
8A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR					AR	
		* THRU 6V-A2763. EFFECTIVE WITH 6VA-2764, WHEN REPLACEMENT IS NECESSARY ON FAN TO FLYWHEEL MODELS, USE OILPAN TYPE 164 WITH OIL DISTRIBUTION TYPE 201 AND DIPSTICK TYPE 155; ON POWER TAKE-OFF MODELS, OIL PAN TYPE 182 WITH OIL DISTRIBUTION TYPE 201 AND DIPSTICK TYPE 155; ON MARINE MODELS (RC ENGINE) USE OIL PAN TYPE 184, ON (LC ENGINE) USE OIL PAN TYPE 183 WITH OIL DISTRIBUTION TYPE 215 AND DIPSTICK TYPE 150.												
		@ NOT SERVICED, FOR SERVICE ON FAN TO FLYWHEEL MODELS, USE OIL PAN TYPE 168 WITH OIL DISTRIBUTION TYPE 203 AND DIPSTICK TYPE 152; ON POWER TAKE-OFF MODELS, USE OIL PAN TYPE 169 WITH DRAIN TUBE TYPE 170, WITH OIL DISTRIBUTION TYPE 203 AND DIPSTICK TYPE 153; ON MARINE MODELS (RC ENGINE), USE OIL PAN TYPE 167, ON (LC ENGINE) USE OIL PAN TYPE 166 WITH OIL DISTRIBUTION TYPE 202 AND DIPSTICK 150.												
		# OBSOLETE												
		4.7010 - PAN, OIL - UPPER												
10B	**5196823** *	PAN ASSY. (CAST IRON) (12V)					1		1		1	1		1
10B	**5126250**	PAN (CAST IRON) (SD-100) (12V)								1				
	5121182	PLUG, 1/4" PIPE (12.9550)					3		3	3	3	3		3

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES											
			111	112	117	118	122	123	131	133	134	135	136	137
		4.7010 - PAN, OIL - UPPER (CONT'D)												
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)					4		4	32	32	32		4
	9419283	BOLT, 3/8"-16X1 1/2"(W/LW)(12.9001)					28		28					28
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)					2		6	2	2	2		6
	215510	BOLT, 3/8"-16X5 3/4" (12.9001)							2	2	2	2		2
	106263	WASHER, 7/16" (12.9190)					4		4	4	4	4		4
	103321	LOCKWASHER, 3/8" (12.9200)					AR		AR	AR	AR	AR		AR
		* NOT SERVICED USE (1) 5117913 PAN PLUS 3-5121182 PLUGS IN 4.7010, 2-5188498 COVERS 4-179838 BOLTS, 4-103321 LOCKWASHERS IN 4.7120 AND 2-5170049 GASKETS IN 4.7130.												
		4.7020 - PAN, OIL - LOWER												
10B	5163616	PAN (CAST IRON) (12V)					1			1	1	1		
	5121182	PLUG, 1/4" PIPE (12.9550)					2			2	2	2		
	5145012	PLUG, 1/2" PIPE (12.9550)					1			1	1	1		
	5148437	BOLT, 5/16"-18X1" (WITH LOCKWASHER) (12.9001)					22			22	22	22		
		4.7030 - GASKET, OIL PAN TO BLOCK												
8A	5196532	GASKET SET (CAST OIL PAN)	1	1				1						
8A	5196533	GASKET SET (CAST OIL PAN)			1	1							1	
8A	5109915	GASKET (CAST OIL PAN)					1		1	1	1	1		1
		4.7040 - GASKET, LOWER OIL PAN												
	5153256	GASKET					1			1	1	1		
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN THE SAME TYPE.												
8A	5138621	PLUG, 18 MM. X 1.5 MM. (4.4160)						1					1	
8A	5115214	PLUG, 1/2" PIPE (12.9550)	1	1	1	1	2	2	2	2	2	2	2	
8A	5146891	PLUG, 1/2" PIPE (MAGNETIC)						1					1	
8A	5142549	PLUG, 3/4" PIPE (12.9550)	1	1	1	1	2		2	2	2	2	1	2
		4.7090 - GASKET, OIL PAN DRAIN PLUG												
8A	840277	GASKET						1						

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 111	112	117	118	122	123	131	133	134	135	136	137
		4.7100 - TUBE ASSY., OIL PAN DRAIN												
	5127060	* TUBE ASSY. (DEV. L. 20.52")					1							
	5127057	* TUBE ASSY. (DEV. L. 10.40")											1	
5B	5128019	HOSE, FLEX. (19 1/2"L.) (STAMPED OIL PAN)							1					
5B	5115809	HOSE, FLEX. (18"L.) (CAST OIL PAN)							1				1	
	444004	@ ADAPTOR (12.9565)							1				1	
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)							1					
	142767	* BUSHING, REDUCING (12.9570)					1						1	
	108686	ELBOW, 1/2"-90 DEG. (12.9590)							1				1	
	225828	* ELBOW, 90 DEG. (12.9480)					1						1	
5B	5145014	PLUG, 3/8" PIPE (12.9550)							1				1	
5B	219754	NUT, 7/8" (12.9120)							1				1	
		* MARINE MODELS ONLY; EFFECTIVE WITH 6VA-7905, 8VA-1609, 12VA-736.												
		@ USE ON 12V UNITS EQUIPPED WITH REDUCTION POWER TAKE-OFF AND CAST IRON OIL PAN.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5153473	* CLIP (4.6040)					1						1	
	5127059	* BRACKET (WITH SHALLOW PAN) (4.7112)											1	
	5127058	* BRACKET (WITH DEEP PAN) (4.7112)					1							
	181333	* BOLT, 5/16"-24X5/8" (12.9001)					1						1	
	103320	* LOCKWASHER, 5/16" (12.9200)					1						1	
	114493	* NUT, 5/16"-24 HEX. (12.9120)					1						1	
		* MARINE MODELS ONLY; EFFECTIVE WITH 6VA-7905, 8VA-1609, 12VA-736.												
		4.7103 - CAP ASSY., OIL PAN DRAIN TUBE												
	5127061	* CAP ASSY.					1						1	
		* MARINE MODELS ONLY; EFFECTIVE WITH 6VA-7905, 8VA-1609, 12VA-736.												
		4.7120 - COVER, OIL PAN												
	5188498	COVER (SIDE OF PAN)		2		2	2	2	2		2	2		2
	5117914	COVER					1		2	1	1	1		2
	5148437	BOLT, 5/16"-18X1" (WITH LOCKWASHER) (12.9001)					14		28	14	14	14		28
	180121	BOLT, 3/8"-16X7/8" (12.9001)		4		4	4	4	4		4	4		4
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR	AR	AR	AR		AR	AR		AR

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 111	112	117	118	122	123	131	133	134	135	136	137
		4.7130 - GASKET, OIL PAN COVER												
	5170049	GASKET (4.5007)		2		2	2	2	2		2	2		2
	5121963	GASKET					1		2	1	1	1		2
		4.7140 - SUMP, OIL PAN												
10A	**5141754**	SUMP						1						
	5115214	PLUG, 1/2" HEX. (12.9550)						2						
10A	**179816**	BOLT, 5/16"-18X3/4" (12.9001)						8						
	103320	LOCKWASHER, 5/16" (12.9200)						8						
		4.7150 - GASKET, OIL PAN SUMP												
	5153986	GASKET (4.7130)						1						

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	142	143	144	150	151	155	163	164	166	167	168
		4.7001 - PAN, OIL												
8A	**5117228**	* PAN (CAST ALUMINUM) (6V)								1				
10A	**5124869**	PAN (CAST IRON) (6V)	1											
8A	**5117542**	PAN (CAST IRON) (8V)		1										
8A	**5117538**	PAN (CAST IRON) (6V)				1								
8A	**5147432**	PAN (CAST IRON) (6V)					1							
8A	**5125668**	PAN (STAMPED) (6V)									1			
8A	**5143772**	PAN (STAMPED) (8V)										1	1	
8A	**5129146**	PAN (STAMPED) (8V)												1
	5121182	PLUG, 1/4" PIPE (12.9550)		2		2				2		1	1	
8A	**5115214**	PLUG, 1/2" PIPE (12.9550)					1							
8A	**5142549**	PLUG, 3/4" PIPE (12.9550)					2							
	5111798	PLUG, 1" SQ. HD. PIPE (12.9550)										2	2	
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)										2	2	
8A	**446564**	BOLT, 3/8"-16X7/8" (INCLUDES WASHER) (12.9001)									24	28	28	28
8A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)								2				
8A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	4	4		4	4							
8A	**9419283**	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)	20	24		24	16			20				
8A	**179848**	BOLT, 3/8"-16X2 1/4" (12.9001)								2				
8A	**114926**	BOLT, 3/8"-16X4 1/4" (12.9001)	2	2		2	2							
8A	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)					2							
8A	**187491**	BOLT, 3/8"-16X5 1/2" (12.9001)	2	2		2								
	106263	WASHER, 3/8" FLAT (12.9190)	4	4		4	4							
	103341	WASHER, 3/8" (12.9190)									AR			AR
8A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR			AR				
		* THRU 6VA-2763. EFFECTIVE WITH 6VA-2764, WHEN REPLACEMENT IS NECESSARY ON FAN TO FLYWHEEL MODELS, USE OILPAN TYPE 164 WITH OIL DISTRIBUTION TYPE 201 AND DIPSTICK TYPE 155; ON POWER TAKE-OFF MODELS, OIL PAN TYPE 182 WITH OIL DISTRIBUTION TYPE 201 AND DIPSTICK TYPE 155; ON MARINE MODELS (RC ENGINE) USE OIL PAN TYPE 184, ON (LC ENGINE) USE OIL PAN TYPE 183 WITH OIL DISTRIBUTION TYPE 215 AND DIPSTICK TYPE 150.											
		4.7010 - PAN, OIL - UPPER												
10B	**5196823**	* PAN ASSY. (CAST IRON) (12V)			1			1						
10B	**5196822**	@ PAN ASSY. (CAST IRON) (12V)							1					
	5121182	PLUG, 1/4" PIPE (12.9550)			3			3	3					
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			32			4	4					
	9419283	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)						28	28					
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)			2			2	2					
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)							2					

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	142	143	144	150	151	155	163	164	166	167	168
		4.7010 - PAN, OIL - UPPER (CONT'D)												
	215510	BOLT, 3/8"-16X5 3/4" (12.9001)			2			2						
	106263	WASHER, 7/16" (12.9190)			4			4	4					
	103321	LOCKWASHER, 3/8" (12.9200)			AR			AR	AR					
		* NOT SERVICED, USE (1) 5117913 PAN, 3-5121182 PLUGS IN 4.7010, 2-5188498 COVERS, 4-179838 BOLTS, 4-103321 LOCKWASHERS IN 4.7120 AND 2-5170049 GASKETS IN 4.7130.												
		@ NOT SERVICED, USE (1) 5128045 PAN, (3) 5121182 PLUGS, 2-5188498 COVERS, 2-5170049 GASKETS AND 4 EACH OF 179838, 103321.												
		4.7020 - PAN, OIL - LOWER												
10B	5163616	PAN (CAST IRON) (12V)			1			1						
	5121182	PLUG, 1/4" PIPE (12.9550)			2			2						
	5145012	PLUG, 1/2" PIPE (12.9550)						1						
	5148437	BOLT, 5/16"-18X1" (WITH LOCKWASHER) (12.9001)			22			22						
		4.7030 - GASKET, OIL PAN TO BLOCK												
8A	5196532	GASKET SET (CAST OIL PAN)	1			1	1			1				
8A	5196533	GASKET SET (CAST OIL PAN)		1										
8A	5109915	GASKET (CAST OIL PAN)			1			1	1					
8A	5117230	GASKET (STAMPED OIL PAN)									1			
8A	5117231	GASKET (STAMPED OIL PAN)										1	1	1
		4.7040 - GASKET, LOWER OIL PAN												
	5153256	GASKET			1			1						
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN THE SAME TYPE.												
8A	5138621	PLUG, 18 MM. X 1.5 MM. (4.4160)									1	1	1	1
8A	53688	* PLUG, 18 MM. (MAGNETIC)									1			1
8A	5138456	PLUG, 18 X 1.5 MM. (MAGNETIC)									1			1
8A	5115214	PLUG, 1/2" PIPE (12.9550)	1	1	2	1	1	2		1	1	1	1	1
8A	5146891	PLUG, 1/2" PIPE (MAGNETIC)									1	1	1	1
8A	5146309	PLUG, 1/2" PIPE, RECESSED HEAD (MAG.)									1			1
8A	5142549	PLUG, 3/4" PIPE (12.9550)	1	1	2	1	3	2	1			1	1	
		* NOT SERVICED USE 5139140 AND												

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	142	143	144	150	151	155	163	164	166	167	168
		4.7080 - PLUG, OIL PAN DRAIN (CONT'D)												
		INCLUDE (1) 5138620												
		4.7090 - GASKET, OIL PAN DRAIN PLUG												
8A	**840277**	GASKET									1	2	2	2
		4.7100 - TUBE ASSY., OIL PAN DRAIN												
	5127057	* TUBE ASSY. (DEV. L. 10.40")										1	1	
	5127056	* TUBE ASSY. (DEV. L. 17.62")		1		1								
5B	**5115809**	HOSE, FLEX. (18"L) (CAST OIL PAN)							1	1				
	444004	@ ADAPTOR (12.9565)							1	1				
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)							1	1				
	142767	* BUSHING, REDUCING (12.9570)		1		1						1	1	
	108686	ELBOW, 1/2"-90 DEG. (12.9590)							1	1				
	137425	* ELBOW, 90 DEG. (12.9480)		1		1						1	1	
5B	**5145014**	PLUG, 3/8" PIPE (12.9550)							1	1				
5B	**219754**	NUT, 7/8" (12.9120)							1	1				
		* MARINE MODELS ONLY; EFFECTIVE WITH 6VA-7905, 8VA-1609, 12VA-736.												
		@ USE ON 12V UNITS EQUIPPED WITH REDUCTION POWER TAKE-OFF AND CAST IRON OIL PAN.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5153473	* CLIP (4.6040)		1		1						1	1	
	5127059	* BRACKET (WITH SHALLOW PAN) (4.7112)										1	1	
	5127058	* BRACKET (WITH DEEP PAN) (4.7112)		1		1								
	181333	* BOLT, 5/16"-24X5/8" (12.9001)		1		1						1	1	
	103320	* LOCKWASHER, 5/16" (12.9200)		1		1						1	1	
	114493	* NUT, 5/16"-24 HEX. (12.9120)		1		1						1	1	
		* MARINE MODELS ONLY; EFFECTIVE WITH 6VA-7905, 8VA-1609, 12VA-736.												
		4.7103 - CAP ASSY., OIL PAN DRAIN TUBE												
	5127061	* CAP ASSY.		1		1						1	1	
		* MARINE MODELS ONLY; EFFECTIVE WITH 6VA-7905, 8VA-1609, 12VA-736.												
		4.7120 - COVER, OIL PAN												
	5188498	COVER (SIDE OF PAN)			2				2					
	5117914	COVER			1			1						
	5125624	COVER							2					

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	142	143	144	150	151	155	163	164	166	167	168
		4.7120 - COVER, OIL PAN (CONT'D)												
	5148437	BOLT, 5/16"-18X1" (WITH LOCKWASHER) (12.9001)			14			14						
	180121	BOLT, 3/8"-16X7/8" (12.9001)			4				4					
	5148480	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)							28					
	103321	LOCKWASHER, 3/8" (12.9200)			AR				AR					
		4.7130 - GASKET, OIL PAN COVER												
	5170049	GASKET (4.5007)			2				2					
	5121963	GASKET			1			1						
	5124796	GASKET (4.7040)							2					
10A	**5136154**	SUMP (CAST IRON) (4.7020)	1											
10A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	14											
	103321	LOCKWASHER, 3/8" (12.9200)	14											
		4.7150 - GASKET, OIL PAN SUMP												
	5124796	GASKET (4.7040)	1											

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 169	170	171	175	176	182	183	184	185	189	190	192
		4.7001 - PAN, OIL												
		▪ FOR TYPE 188 USE 524.▪												
8A	5125527	* PAN (STAMPED) (5109112) (8V)	1	1										
8A	5128286	PAN (CAST IRON) (8V)					1							
8A	5125667	* PAN (STAMPED) (5129126) (6V)						1			1			
8A	5126819	@ PAN (STAMPED) (LC) (6V)							1					
8A	5126818	@ PAN (STAMPED) (RC) (6V)								1				
8A	5129145	* PAN (STAMPED) (5129126) (6V)											1	
8A	5121182	PLUG, 1/4" PIPE (12.9550)					2							
	5115214	# PLUG, 1/2" PIPE (12.9550)						1					1	
	5142549	PLUG, 3/4" PIPE (12.9550)	1	1									1	
8A	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)	2					2					2	
8A	446564	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)	28	28				24	24	24	24		24	
8A	186679	BOLT, 3/8"-16X1 1/4" (12.9001)					4							
8A	9419283	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)					24							
8A	186288	BOLT, 3/8"-16X4 1/2" (12.9001)					2							
8A	215510	BOLT, 3/8"-16X5 3/4" (12.9001)					2							
	103341	WASHER, 3/8" FLAT (12.9190)	2					2					2	
	106263	WASHER, 7/16" FLAT (12.9190)					4							
8A	103321	LOCKWASHER, 3/8" (12.9200)					AR							
		* NOT SERVICED; USE PART NUMBER SHOWN PLUS (1) 5142549.												
		@ OBSOLETE												
		# REQUIRED, IF AIR COMPRESSOR IS NOT SPECIFIED.												
		4.7010 - PAN, OIL - UPPER												
#	5129659	* PAN (CAST IRON) (5143206) (12V)			1									
10B	5196822	@ PAN ASSY. (CAST IRON) (12V)				1						1		1
	5121182	PLUG, 1/4" PIPE (12.9550)			3	3						3		3
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2	2						2		2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2	2						2		2
	9419283	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)			28	28						28		28
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)			2	2						2		2
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)			2	2						2		2
	186290	BOLT, 3/8"-16X6" (12.9001)			4	4						4		4
	5152148	WASHER, 3/8" COPPER (2.4050)			1	1								1
	106263	WASHER, 7/16" FLAT (12.9190)			4	4						4		4
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR						AR		AR
		# FIG. 13D OF 1.0000.												
		* NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES PLUS 2-5188498 COVERS, 2-5170049 GASKETS, 3-5121182 PLUGS, 4-179838 BOLTS AND 4-103321 LOCKWASHER.												
		@ NOT SERVICED, USE (1) 5128045 PAN, 3-5121182 PLUGS IN 4.7010, 2-5188498 COVER, 4-179838 BOLT, 4-103321 LOCKWASHER, 4.7120 AND 2-5170049 GASKET IN 4.7130.												

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 169	170	171	175	176	182	183	184	185	189	190	192
		4.7020 - PAN, OIL - LOWER												
10B	5125602 *	PAN (CAST IRON) (16V)			1	1								1
10B	5143994	PAN (STAMPED) (16V)			1	1						1		1
10B	5141799	PAN (CAST IRON) (12V)			1	1						1		1
	5121182	PLUG, 1/4" PIPE (12.9550)			18	18								18
	5103185	PLUG, 1" PIPE (12.9550)			1	1						1		1
	5148437	BOLT, 5/16"-18X1" (W/LW)(12.9001)			1	1						1		1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1	1								
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)										1		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			1	1						1		1
	5152148	WASHER, 3/8" COPPER (2.4050)												
		* NOT SERVICED, USE STAMPED OIL PAN AND GASKET SHOWN IN SAME TYPE, ALSO INCLUDE (3) PLUGS 444636, (18) BOLTS 179839, AND (18) LOCKWASHERS 103321 TO ASSURE INTERCHANGEABILITY.												
		4.7030 - GASKET, OIL PAN TO BLOCK												
8A	5117231	GASKET (STAMPED OIL PAN)	1	1										
8A	5109915	GASKET (CAST OIL PAN)			1							1		1
8A	5144590	GASKET (STAMPED OIL PAN) (4.7040)				1								
8A	5117230	GASKET (STAMPED OIL PAN)						1	1	1	1		1	
8A	5196533	GASKET SET (CAST OIL PAN)					1							
8A	5196532	GASKET SET (CAST OIL PAN)									1			
		4.7040 - GASKET, LOWER OIL PAN												
	5125635	GASKET			1	1						1		1
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN THE SAME TYPE.												
8A	5138621	PLUG (18 MM. X 1.5 MM.)	1	1				1					1	
8A	5138456	PLUG (18 MM. X 1.5 MM.)	1	1									1	
8A	5146891	PLUG, 1/2" PIPE, SQ. HD. (MAGNETIC)	1	1	2	2	1					2	1	2
8A	5115214	PLUG, 1/2" PIPE (12.9550)						1						
8A	5146309	PLUG, 1/2" PIPE, RECESSED HD. (MAG.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR
8A	5142549	PLUG, 3/4" PIPE (12.9550)												
		4.7090 - GASKET, OIL PAN DRAIN PLUG												
8A	840277	GASKET	1	1				1					1	

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 169	170	171	175	176	182	183	184	185	189	190	192
		4.7100 - TUBE ASSY., OIL PAN DRAIN												
	5127060	* TUBE ASSY. (DEV. L. 20.52")				1								
5B	5112605	HOSE, FLEX. (14"L.)									1			
	142767	* BUSHING, 3/4"X3/8" RED. (12.9570)				1								
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)									1			
	225828	* ELBOW, 1/2" TUBE X 3/8" PIPE-90 DEG. (12.9480)				1					1			
5B	5145014	PLUG, 3/8" PIPE (12.9550)									1			
	122432	NUT, 7/8"-14 HEX. (12.9120)									1			
		* MARINE MODELS ONLY, EFFECTIVE WITH 12VA-736.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5153473	* CLIP (4.6040)				1								
	5127058	* BRACKET (WITH DEEP PAN) (4.7112)				1								
	181333	* BOLT, 5/16"-24X5/8" (12.9001)				1								
	103320	* LOCKWASHER, 5/16" (12.9200)				1								
	114493	* NUT, 5/16"-24 HEX. (12.9120)				1								
		* MARINE MODELS ONLY, EFFECTIVE WITH 12VA-736.												
		4.7103 - CAP ASSY., OIL PAN DRAIN TUBE												
	5127061	* CAP ASSY.				1								
		* MARINE MODELS ONLY, EFFECTIVE WITH 12VA-736.												
		4.7120 - COVER, OIL PAN												
	5188498	COVER (SIDE OF PAN)		2	2						2		2	
	5125624	COVER		1	1						1		1	
	5148480	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)		14	14						14		14	
	180121	BOLT, 3/8"-16X7/8" (12.9001)		4	4						4		4	
	103321	LOCKWASHER, 3/8" (12.9200)		4	4						4		4	
		4.7130 - GASKET, OIL PAN COVER												
	5124796	GASKET (4.7040)		1	1						1		1	
	5170049	GASKET (4.5007)		2	2						2		2	

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 197	203	211	212	215	218	219	220	223	224	227	228
		4.7001 - PAN, OIL												
8A	5129146	PAN (STAMPED) (8V)	1											
8A	5125670	PAN (STAMPED) (6V)			1									
8A	5128658	PAN (CAST IRON) (4.7010) (12V)						1						
8A	5109112	PAN (STAMPED) (8V)									1			
8A	5108943	PAN (STAMPED) (6V)										1		
8A	5121182	PLUG, 1/4" PIPE (12.9550)						2			2			
8A	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)	2									2		
8A	446564	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)	28		24						28	24		
8A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						2						
8A	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						2						
8A	9419283	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)						28						
8A	114926	BOLT, 3/8"-16X4 1/4" (12.9001)						6						
8A	215510	BOLT, 3/8"-16X5 3/4" (12.9001)						2						
	5152148	WASHER, 3/8" COPPER (2.4050)						1						
	103341	WASHER, 3/8" FLAT (12.9190)			2						2			
	106263	WASHER, 7/16" FLAT (12.9190)						4						
8A	103321	LOCKWASHER, 3/8" (12.9200)						AR						
		4.7010 - PAN, OIL - UPPER												
#	5129659	* PAN (CAST IRON) (5143206) (12V)		1										
#	5129652	* PAN (CAST IRON) (5146711) (16V)				1	1		1	1			1	
10B	5196822	@ PAN ASSY. (CAST IRON) (12V)												1
	5121182	PLUG, 1/4" PIPE (12.9550)		3										3
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2		2	2		4	4			4	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		2		2	2							2
	9419283	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)		28		32	32		32	32			32	28
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)		2		4	4		4	4			4	2
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)							8	8			8	
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)		2		4	4		4	4			4	2
	186290	BOLT, 3/8"-16X6" (12.9001)		4		8	8							4
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)				9	9							1
	5152148	WASHER, 3/8" COPPER (2.4050)							2				2	
	103341	WASHER, 3/8" FLAT (12.9190)												4
	106263	WASHER, 7/16" FLAT (12.9190)		4		2	2							
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR	AR		AR	AR			AR	AR
	9413980	NUT, 3/8"-24 HEX. (1.6001)				9	9							
		# FIG. 13D OF 1.0000.												
		* NOT SERVICED; USE PART NUMBER SHOWN PLUS 2-5188498 COVERS, 2-5170049 GASKETS, 3-5121182 PLUGS, 4-179838 BOLTS, 4-103321 LOCKWASHERS.												
		@ NOT SERVICED, USE (1) 5128045 PAN 3-5121182 PLUGS IN 4.7010, 2-5188498 COVER, 4-179838 BOLT, 4-103321 LOCKWASHER, 4.7120 AND 2-5170049 GASKET IN 4.7130.												
		4.7020 - PAN, OIL - LOWER												
10B	5125602	* PAN (CAST IRON) (16V)				2								
10B	5143994	PAN (STAMPED) (12V)					1							
10B	5141799	PAN (CAST IRON) (12V)		1										

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 197	203	211	212	215	218	219	220	223	224	227	228
		4.7020 - PAN, OIL - LOWER (CONT'D)												
10B	**5125602**	* PAN (CAST IRON) (16V)					1							
#	**5145069**	PAN (STAMPED) (REAR) (4.7001) (16V)							1	1				
#	**5145785**	@ PAN (STAMPED) (FRONT) (5145777) (16V)							1					
10B	**5111898**	PAN (CAST IRON) (16V)											1	
	5129787	BAFFLE (FRONT) (4.7045)							1					
	5129786	BAFFLE (REAR) (4.7045)							1				1	
	5103185	PLUG, 1" PIPE (12.9550)		1										
	5148437	BOLT, 5/16"-18X1" (W/LW)(12.9001)								26			26	
	186629	BOLT, 5/16"-18X1" (W/LW) (12.9001)							48					
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		1										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1			1							
	5148481	BOLT, 3/8"-16X1 3/8" (W/LW)(12.9001)		18		18	18							
	5152148	WASHER, 3/8" COPPER (2.4050)		1		2			2					1
		# FIG. 13D OF 1.0000.												
		* NOT SERVICED, USE STAMPED OIL PAN AND GASKET SHOWN IN SAME TYPE, ALSO INCLUDE (3) PLUGS 444636, (18) BOLTS 179839, AND (18) LOCKWASHERS 103321 TO ASSURE INTERCHANGEABILITY.												
		@ NOT SERVICED. USE PART NUMBER SHOWN.												
		4.7030 - GASKET, OIL PAN TO BLOCK												
, A	**5117231**	GASKET (STAMPED OIL PAN)	1								1			
8A	**5109915**	GASKET (CAST OIL PAN)		1				1						1
8A	**5117230**	GASKET (STAMPED OIL PAN)			1							1		
8A	**5126562**	GASKET SET (CAST OIL PAN)				1	1		1	1			1	
		4.7040 - GASKET, LOWER OIL PAN												
	5125635	GASKET		1		2	1		1					
	5150115	GASKET (FRONT) (4.7030)							1					
	5150116	GASKET (REAR) (4.7030)							1	1			1	
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN THE SAME TYPE.												
8A	**5138621**	PLUG (18 MM. X 1.5 MM.)	1								1	1		
8A	**5138456**	PLUG (18 MM. X 1.5 MM.)			1									
8A	**144014**	PLUG, 1/2" PIPE (12.9550)	1	2					2		1	1		

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 197	203	211	212	215	218	219	220	223	224	227	228
		4.7080 - PLUG, OIL PAN DRAIN (CONT'D)												
8A	5146891	PLUG, 1/2" PIPE, SQ. HD. (MAGNETIC)	1	1							1	1		
8A	5115214	PLUG, 1/2" PIPE (12.9550)		2				2		2				2
8A	5146309	PLUG, 1/2" PIPE, RECESSED HD. (MAG.)	1		1									
8A	5142549	*PLUG, 3/4" PIPE (12.9550)*		AR		AR	AR	AR		AR	AR		AR	AR
		4.7090 - GASKET, OIL PAN DRAIN PLUG												
8A	840277	GASKET	1		1						1	1		
		4.7100 - TUBE ASSY., OIL PAN DRAIN												
	5127060	* TUBE ASSY. (DEV. L. 20.52")					1							
5B	5122206	@ HOSE, FLEX. (21"L.) (5199157, #10X73"L.)								1				
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)								1				
	142767	* BUSHING, 3/4"X3/8" RED. (12.9570)					1							
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)								1				
	225828	* ELBOW, 1/2" TUBE X 3/8" PIPE-90 DEG. (12.9480)					1							
	187396	COUPLING, 3/8"X1 3/16" PIPE (12.9580)								1				
	5121825	FITTING, 3/8" PIPE (12.4090)								2				
	112304	PLUG, 3/8" PIPE (12.9550)								1				
		* MARINE MODELS ONLY, EFFECTIVE WITH 12VA-736.												
		@ NOT SERVICED, STANDARD LENGTH HOSE SHOWN WILL BE PROVIDED.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5153473	* CLIP (4.6040)					1							
	5151189	CLIP, 3/4" (4.8040)								1				
	5127058	* BRACKET (WITH DEEP PAN) (4.7112)					1							
	5173022	BRACKET (5.5379)								1				
	181333	* BOLT, 5/16"-24X5/8" (12.9001)					1							
	186627	BOLT, 3/8"-24X1" (12.9001)								1				
	103320	* LOCKWASHER, 5/16" (12.9200)					1							
	103321	LOCKWASHER, 3/8" (12.9200)								1				
	114493	* NUT, 5/16"-24 HEX. (12.9120)					1							
	117049	NUT, 3/8"-24 HEX. (12.9120)								1				
		* MARINE MODELS ONLY, EFFECTIVE WITH 12VA-736.												

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 197	203	211	212	215	218	219	220	223	224	227	228
		4.7103 - CAP ASSY., OIL PAN DRAIN TUBE												
	5127061 *	CAP ASSY.					1							-
		* MARINE MODELS ONLY, EFFECTIVE WITH 12VA-736.												
		4.7120 - COVER, OIL PAN												
	5188498	COVER (SIDE OF PAN)		2										2
	5125624	COVER		1										1
	5109443	COVER					1			1			1	
	5125624	COVER						2						
	5148437	BOLT, 5/16"-18X1 (W/LW)(12.9001)					22			22			22	
	5148480	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)		14				27						28
	180121	BOLT, 3/8"-16X7/8" (12.9001)		4										4
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						1						
	5152148	WASHER, 3/8" FLAT (COPPER) (2.4050)						1						
	103321	LOCKWASHER, 3/8" (12.9200)		4										4
		4.7130 - GASKET, OIL PAN COVER												
	5124796	GASKET (4.7040)		1			1	2						2
	5170049	GASKET (4.5007)		2										2
	5150115	GASKET (4.7030)								1			1	

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	238	239	240	242	249	254	256	257	268	269	270
		4.7001 - PAN, OIL												
		• FOR TYPE 262 USE 525.•												
8A	**5128658**	PAN (CAST IRON) (12V)	1											
8A	**5173888**	PAN (CAST IRON) (6V)					1							
8A	**5128071**	PAN (STAMPED) (8V)						1						
8A	**5179192**	* PAN (STAMPED) (8V) (5108144)							1					
8A	**5147750**	PAN (CAST IRON) (8V)									1			
8A	**5147760**	PAN (STAMPED) (6V)										1		
8A	**5131250**	* PAN (STAMPED) (5147760) (6V)												1
	5121182	PLUG, 1/4" PIPE (12.9550)									2			
	5115214	PLUG, 1/2" PIPE (12.9550)									1	1		
	5142549	PLUG, 3/4" PIPE (12.9550)										1		2
8A	**217910**	BOLT, 3/8"-16X5/8" (12.9027)					2	2				2		2
8A	**5148480**	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)						26	28			24		22
8A	**179839**	BOLT, 3/8"-16X1" (12.9001)							2					
8A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)	2											
8A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	2				4				4			
8A	**5148482**	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)	28				20				24			
8A	**114926**	BOLT, 3/8"-16X4 1/4" (12.9001)	6				2				2			
8A	**187491**	BOLT, 3/8"-16X5 1/2" (12.9001)					2				2			
8A	**215510**	BOLT, 3/8"-16X5 3/4" (12.9001)	2											
	106263	WASHER, 3/8" FLAT (12.9190)	4				4				4			
	103341	WASHER, 3/8" FLAT (12.9190)								2			2	
8A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR			AR			AR		AR			
		* NOT SERVICED. USE PART NUMBER SHOWN IN PARENTHESIS.												
		4.7010 - PAN, OIL-UPPER												
10B	**5199341**	* PAN (CAST IRON) (12V)		1										
10B	**5196822**	= PAN (CAST IRON) (12V)			1	1								
@	**5130064**	# PAN (CAST IRON) (16V)								1				
@	**5130903**	# PAN (CAST IRON) (5131853) (16V)											1	
	5121182	PLUG, 1/4" PIPE (12.9550)		3	3	3								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2	2	2				2			2	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		2	2	2								
	5148482	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)		28	28	28				30			30	
	179851	BOLT, 3/8"-16X3" (12.9001)								2			2	
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)		2	2	2				2			2	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)								8			8	
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)								2				
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)		2	2	2				4			4	
	186290	BOLT, 3/8"-16X6" (12.9001)		4	4	4								
	106263	WASHER, 3/8" (12.9190)		4	4	4								
	103341	WASHER, 3/8" FLAT (12.9190)								2			2	
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR				AR			AR	
		* NOT SERVICED, USE (1) 5143206, 3-5121182 PLUGS, 2-5170049 GASKETS, 2-5188498 COVERS, 4-179838, 4-103321 L OCKWASHERS.												

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	238	239	240	242	249	254	256	257	268	269	270
		4.7010 - PAN, OIL - UPPER (CONT'D)												
		BOLTS, 4-103321 LOCKWASHERS IN 4.7120 AND 2-5170049 GASKETS IN 4.7130.												
		= NOT SERVICED, USE 1-5128045 PAN, 3-5121182 PLUGS IN 4.7010, 2-5188498 COVERS, 4-179838 AND 103321 PLUS 2-5170049 GASKETS.												
		@ FIG. 13D OF 1.0000.												
		# NOT SERVICED; USE 1-5147541 PAN, 1-5125256 COVER, 1-5142549 PLUG, 1-5168176 GASKET, 2-186622 PLUS 2-103321.												
		4.7020 - PAN, OIL - LOWER												
10B	**5170508**	* PAN (CAST IRON) (12V)		1	1	1								
10B	**5143994**	PAN (STAMPED) (12V)		1	1	1								
@	**5145785**	# PAN (STAMPED) (FRONT) (5145777) (16V)								1			1	
@	**5145069**	# PAN (STAMPED) (REAR) (4.7001) (16V) (5147764)								1			1	
	5129787	BAFFLE (FRONT) (4.7045)								1			1	
	5129786	BAFFLE (REAR) (4.7045)								1			1	
	5121182	PLUG, 1/4" PIPE (12.9550)		1	1	1								
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		1	1	1								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1										
	5148481	BOLT, 3/8"-16X1 3/8" (W/LW)(12.9001)		18	18	18								
	5148437	BOLT, 5/16"-18X1" (W/LW)(12.9001)								48			48	
	5152148	WASHER, 3/8" FLAT (COPPER) (2.4050)		1	1	1								
		@ FIG. 13D OF 1.0000.												
		* CONVERT TO STAMPED OIL PAN AND GASKETS SHOWN IN SAME TYPE; ALSO INCLUDE (18) 179839 BOLTS, (1) 186619 BOLT, (18) 103321 LOCKWASHERS, AND (3) 444636 PLUGS.												
		# NOT SERVICED; USE NUMBER SHOWN.												
		4.7030 - GASKET, OIL PAN TO BLOCK												
8A	**5109915**	GASKET (CAST IRON)	1	1	1	1								
8A	**5144590**	GASKET (STAMPED) (4.7040)		1	1	1								
8A	**5196532**	GASKET SET (CAST IRON)					1							
8A	**5117231**	GASKET (STAMPED)						1	1					
8A	**5126562**	GASKET SET (CAST IRON)								1			1	
8A	**5196533**	GASKET SET (CAST IRON)									1			
8A	**5117230**	GASKET (STAMPED)										1		1
		4.7040 - GASKET, LOWER OIL PAN												
	5125635	GASKET		1	1	1								
	5150115	GASKET (4.7030)											2	
	5150116	GASKET (4.7030)											2	

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	238	239	240	242	249	254	256	257	268	269	270
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN THE SAME TYPE.												
8A	**5138621**	PLUG, 18 MM. X 1.5 MM.												1
8A	**5138456**	PLUG, 18 MM. (MAGNETIC)						1				1	1	
8A	**5121182**	PLUG, 1/4" PIPE (12.9550)	2				1		1					
8A	**5115214**	PLUG, 1/2" PIPE (12.9550)	1	1	1	1	1							1
8A	**5146309**	PLUG, 1/2" PIPE, RECESSED HD. (MAG.)						1				1		1
8A	**5103186**	PLUG, 1/2" PIPE (12.9550)								2			2	
8A	**5146891**	PLUG, 1/2" PIPE, SQ. HD. (MAGNETIC)												1
8A	**5142549**	PLUG, 3/4" PIPE (12.9550)	2		2		1			2			2	1
8A	***444636***	*PLUG, 3/4" PIPE (12.9550)*		3		3								
8A	**5178994**	PLUG, 3/4" (MAGNETIC)							1					
8A	**5111798**	PLUG, 1" PIPE							1					
		4.7090 - GASKET, OIL PAN DRAIN PLUG												
8A	**840277**	GASKET						1				1		1
		4.7100 - TUBE ASSY., OIL PAN DRAIN												
5B	**5128019**	HOSE, FLEX. (19 1/2"L.) (STAMPED PAN)	1											
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)	1											
5B	**108686**	ELBOW, 1/2" STREET 90 DEG. (12.9510)	1											
5B	**5145014**	PLUG, 3/8" PIPE (12.9550)	1											
5B	**219754**	NUT, 7/8" (12.9120)	1											
		4.7120 - COVER, OIL PAN												
	5125624	COVER	2	1	1	1								
	5188498	COVER		2	2	2								
	446564	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)	27	14	14	14								
	180121	BOLT, 3/8"-16X7/8" (12.9001)		4	4	4								
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	1											
	5152148	WASHER, 3/8" FLAT (COPPER)	1											
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR								
		4.7130 - GASKET, OIL PAN COVER												
	5124796	GASKET (4.7040)	2	1	1	1								
	5170049	GASKET (4.5007)		2	2	2								

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 271	275	278	281	282	283	286	288	290	291	292	295
		4.7001 - PAN, OIL												
8A	5117539	PAN (STAMPED) (6V)				1								
8A	5141917	PAN (STAMPED) (8V)					1							
8A	5131550 *	PAN (STAMPED) (5109112) (8V)						1						
8A	5131335 *	PAN (STAMPED) (5144239) (8V)								1			1	
8A	5132853	PAN (STAMPED) (8V)									1			
8A	5147432	PAN (CAST IRON) (6V)										1		
	5121182	PLUG, 1/4" PIPE (12.9550)				2								
	5142549	PLUG, 3/4" PIPE (12.9550)						1				1		
	5103185	PLUG, 1" PIPE (12.9550)		2										
	5111798	PLUG, 1" SQ. HD. PIPE (12.9550)								1			1	
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)						1						
8A	217910	BOLT, 3/8"-16X5/8" (12.9027)					2				2		2	
8A	5148480	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)					28	26		28	28		26	
8A	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				4						4		
8A	5148482	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)				20						16		
8A	114926	BOLT, 3/8"-16X4 1/4" (12.9001)				2						2		
8A	187491	BOLT, 3/8"-16X5 1/2" (12.9001)				2						2		
8A	186290	BOLT, 3/8"-16X6" (12.9001)										4		
	106263	WASHER, 3/8" FLAT (12.9190)				4						4		
	5152148	WASHER, 3/8" FLAT COPPER (2.4050)								2				
8A	103321	LOCKWASHER, 3/8" (12.9200)				AR						AR		
		* NOT SERVICED; USE PART NUMBER SHOWN.												
	103341	LOCKWASHER, 3/8" (12.9200)									2			
		4.7010 - PAN, OIL - UPPER												
@	5130064 *	PAN (CAST IRON) (5131709) (16V)	1											
8A	5137693 #	PAN (CAST IRON) (5146304) (8V)		1										
@	5130335 *	PAN (CAST IRON) (5132590) (16V)			1									
@	5129652 #	PAN (CAST IRON) (5146711) (16V)							1					
@	5132555 #	PAN (CAST IRON) (5146711) (16V)												1
	444873	PLUG, 1/4" PIPE (12.9550)		1										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4		2				4					4
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		2										
	5148482	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)			30				32					32
	179851	BOLT, 3/8"-16X3" (12.9001)	2		2									
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	6	2					4					4
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	8		8				8					8
	9418964	BOLT, 3/8"-16X5" (12.9001)			2									
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)			2									
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	4	2	4				4					4
	186290	BOLT, 3/8"-16X6" (12.9001)		4										
	186291	BOLT, 3/8"-16X8 1/2" (12.9001)			2									
	106263	WASHER, 3/8" (12.9190)	2											
	103341	WASHER, 3/8" FLAT (12.9190)	2		2				2					2
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR				AR					AR
		@ FIG. 13D OF 1.0000.												

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 271	275	278	281	282	283	286	288	290	291	292	295
		4.7010 - PAN, OIL - UPPER (CONT'D)												
		* NOT SERVICED; USE NUMBER SHOWN & INCLUDE 2-271619 BOLTS, 103326 LOCKWASHERS & 106240 NUTS.												
		# NOT SERVICED; USE NUMBER SHOWN.												
		4.7020 - PAN, OIL - LOWER												
@	**5145785**	* PAN (STAMPED) (FRONT) (5145777) (16V)			1									1
10B	**5111898**	PAN (CAST IRON) (16V)	1											
10B	**5131099**	PAN (CAST IRON) (8V)		1										
	5131559	BAFFLE (FRONT) (4.7045)	1		1									
	5148481	BOLT, 3/8"-16X1 3/8" (W/LW)(12.9001)		12										
	5148437	BOLT, 5/16"-18X1" (W/LW)(12.9001)	26		22									22
		@ FIG. 13D OF 1.0000.												
		* NOT SERVICED; USE NUMBER SHOWN.												
		4.7030 - GASKET, OIL PAN TO BLOCK												
8A	**5196532**	GASKET SET (CAST IRON)				1						1		
8A	**5117231**	GASKET (STAMPED)					1	1		1	1		1	
8A	**5126562**	GASKET SET (CAST IRON)	1		1				1					1
8A	**5196533**	GASKET SET (CAST IRON)		1										
		4.7040 - GASKET, LOWER OIL PAN												
	5150115	GASKET (4.7030)			2									1
	5131100	GASKET	1	1										
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN THE SAME TYPE.												
8A	**5177772**	PLUG, 18 MM. X 1.5 MM. (4.4160)			1	1	1		1	1	1		1	
8A	**5115214**	PLUG, 1/2" PIPE (12.9550)			1	1	1	3		1	2		1	
8A	**5103186**	PLUG, 1/2" PIPE (12.9550)	1											
8A	**5146891**	PLUG, 1/2" PIPE, SQ. HD. (MAGNETIC)						1			1			
8A	**5142549**	PLUG, 3/4" PIPE (12.9550)				1			2					
8A	**444636**	PLUG, 3/4" PIPE (12.9550)	1	1										
		4.7090 - GASKET, OIL PAN DRAIN PLUG												
8A	**840277**	GASKET			1		1	1		1	1			

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 271	275	278	281	282	283	286	288	290	291	292	295
		4.7120 - COVER, OIL PAN												
	5130673	COVER	1						1					
	5131144	COVER							1					1
	189691	BOLT, 5/16"-18X3/4" (W/LW)(12.9001)	22						48					
		4.7130 - GASKET, OIL PAN COVER												
	5150115	GASKET (4.7030)	1						1					
	5150116	GASKET (4.7030)							1					1
		4.7140 - SUMP, OIL PAN												
10A	5141754	SUMP			1									
	5115214	PLUG, 1/2" HEX. (12.9550)			2									
	179816	BOLT, 5/16"-18X3/4" (12.9001)			8									
	103321	LOCKWASHER, 5/16" (12.9200)			8									
		4.7150 - GASKET, OIL PAN SUMP												
	5153986	GASKET			1									

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 300	301	302	303	304	305	306	307	308	309	310	311
		4.7001 - PAN, OIL												
		▪ FOR TYPE 314 USE TYPE 557.▪												
	5132853	PAN (STAMPED) (8V)	1											
	5133060	PAN (STAMPED) (8V)							1					
	5117543	PAN (CAST IRON) (8V)								1				
8A	5133190	PAN (STAMPED) (6V)										1		
8A	5132143	PAN (STAMPED) (8V)												1
	120062	BUSHING, 1"X1/2" RED. PIPE (12.9570)							1					
8A	217910	BOLT, 3/8"-16X5/8" (12.9027)	2						2					
8A	446564	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)	28						28			24		28
8A	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								4				
8A	9419283	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)								24				
8A	114926	BOLT, 3/8"-16X4 1/4" (12.9001)								2				
8A	187491	BOLT, 3/8"-16X5 1/2" (12.9001)								2				
	103341	WASHER, 3/8" (12.9190)	2						2					
	106263	WASHER, 7/16" FLAT (12.9190)								4				
	103321	LOCKWASHER, 3/8" (12.9200)								AR				
		4.7010 - PAN, OIL - UPPER												
10B	5147471	# PAN (CAST IRON) (5147541) (16V)		1		1	1	1			1			
10B	5141580	PAN (CAST IRON) (16V)			1									
10B	5133189	* PAN (CAST IRON) (5146711) (16V)											1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2	2	2	2	2			2		4	
	5148482	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)		28	30	28	28	30			28		32	
	179851	BOLT, 3/8"-16X3" (12.9001) BOLT, 3/8"-16X3 1/4" (12.9001)		2	2									
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)						2						
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)		2		4	2	4			4		4	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)		8	8	8	8	8			8		8	
	9418964	BOLT, 3/8"-16X5" (12.9001)			2									
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)			2									
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)		6	6		6	4			6		4	
	186291	BOLT, 3/8"-16X8 1/2" (12.9001)			2									
	271616	BOLT, 3/4"-10X3 1/4" (12.9001)		2			2				2			
	103341	WASHER, 3/8" FLAT (12.9190)		AR		AR		AR			AR			
	106263	WASHER, 7/16" FLAT (12.9190)		2	2	2	2				2		2	
	103321	LOCKWASHER, 3/8" (12.9200)		20	20	20	20	20			20		20	
	103326	LOCKWASHER, 3/4" (12.9200)		2			2				2			

* NOT SERVICED. USE PART NUMBER SHOWN.

\# NOT SERVICED, USE PART NUMBER SHOWN AND INCLUDE (1) 5125256 COVER, (1) 5142549 PLUG, (1) 5168176 GASKET, (2) 186622 BOLTS AND (2) 103321 LOCKWASHERS.

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 300	301	302	303	304	305	306	307	308	309	310	311
		4.7020 - PAN, OIL - LOWER												
#	5145785	+ PAN (STAMPED) (FRONT) (5145777) (16V)		1	1		1	1					1	
#	5111284	* PAN (STAMPED) (REAR) (16V) (4.7001)		1			1				1		1	
#	5111898	PAN (CAST IRON) (REAR) (16V)				1								
	5129787	BAFFLE (FRONT) (4.7045)		1			1						1	
	5129786	BAFFLE (REAR) (4.7045)		1		1	1						1	
	5131559	BAFFLE (FRONT) (4.7045)			1									
	5148437	BOLT, 5/16"-18X1" (W/LW)(12.9001)		70			48	22			26	26	48	
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)				26								
	103320	LOCKWASHER, 5/16" (12.9200)				26								
		# FIG. 13D OF 1.0000.												
		* NOT SERVICED. USE 5147764, 5103185.												
		+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.												
		4.7030 - GASKET, OIL PAN TO BLOCK												
8A	5117231	GASKET	1						1			1		1
8A	5117230	GASKET												
8A	5126562	GASKET SET (CAST OIL PAN)		1	1	1	1	1			1		1	
8A	5196533	GASKET SET (CAST OIL PAN)								1				
		4.7040 - GASKET, LOWER OIL PAN												
	5150115	GASKET (FRONT) (4.7030)		2	2		2	1					2	
	5150116	GASKET (REAR) (4.7030)		2		2	2				1		2	
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN THE SAME TYPE.												
8A	5177772	PLUG (18MM. X 1.5MM.) (4.4160)	1		1							1		
8A	5138621	PLUG (18MM. X 1.5MM.)	1											
8A	5115214	PLUG, 1/2" PIPE (12.9550)	2	2	2	1	2	1	1	AR	2			
8A	5178994	PLUG, 3/4" (MAGNETIC)							1					
8A	5121182	PLUG, 1/4" PIPE (12.9550)							AR	AR				
8A	5146890	PLUG (MAGNETIC) (12.9550)												1
8A	5142549	PLUG, 3/4" PIPE (12.9550)				2	4	5		1	1		2	
8A	5111798	PLUG, 1" PIPE SQ. SOCKET (12.9550)							1					
		4.7090 - GASKET, OIL PAN DRAIN PLUG												
8A	840277	GASKET (18MM.)	1		1							1		

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 300	301	302	303	304	305	306	307	308	309	310	311
		4.7100 - TUBE ASSY., OIL PAN DRAIN												
	5122206	* HOSE, FLEX. (1/2"X21"L.) (5129157, #10X73"L.)									1			
	187396	COUPLING, 3/8" PIPE (12.9580)									1			
	5121825	FITTING, 3/8" PIPE HOSE (12.4090)									2			
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)									1			
	112304	PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)									1			
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)									1			
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)									1			
		* NOT SERVICED, USE STANDARD LENGTH HOSE SHOWN.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5151189	CLIP (3/4" TUBE) (4.8040)									1			
	186627	BOLT, 3/8"-24X1" (12.9001)									1			
	103321	LOCKWASHER, 3/8" (12.9200)									1			
	117049	NUT, 3/8"-24 HEX. (12.9120)									1			
		4.7112 - BRACKET, OIL PAN DRAIN TUBE												
	5173022	BRACKET (5.5379)									1			
		4.7120 - COVER, OIL PAN												
	5130673	COVER				1								
	5131144	COVER						1						
	5125256	COVER								1				
	5109443	COVER									1			
	5148436	BOLT, 5/16"-18X3/4" (W/LW)(12.9001)				22		26		8				
	5148437	BOLT, 5/16"-18X1" (W/LW)(12.9001)									14			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)								2				
	271616	BOLT, 3/4"-10X3 1/4" (12.9001)				2								
	103321	LOCKWASHER, 3/8" (12.9200)								2				
	103326	LOCKWASHER, 3/4" (12.9200)				2								
		4.7130 - GASKET, OIL PAN COVER												
	5150115	GASKET (4.7030)				1					1			
	5150116	GASKET (4.7030)						1						
	5168176	GASKET								1				
		4.7140 - SUMP, OIL PAN												
10A	5141754	SUMP			1									
	5115214	PLUG, 1/2" HEX. (12.9550)			2									
	179816	BOLT, 5/16"-18X3/4" (12.9001)			8									

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 300	301	302	303	304	305	306	307	308	309	310	311
		4.7140 - SUMP, OIL PAN (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)			8									
		4.7150 - GASKET, OIL PAN SUMP												
	5153986	GASKET			1									

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3170	3180	3300	3310	3400	3410	3430	3460	3470	3490	3520
		4.7001 - PAN, OIL											
8A	**5140709**	PAN (STAMPED) (8V)				1							
8A	**5124869**	PAN (CAST IRON) (6V)								1			
8A	**5135250**	PAN (STAMPED) (6V)									1		
8A	**5136938**	PAN (STAMPED) (8V)										1	
8A	**217910**	BOLT, 3/8"-16X5/8" (12.9027)				2						2	
8A	**446564**	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)				28					23	28	
8A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)								4			
8A	**9419283**	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)								20			
8A	**179851**	BOLT, 3/8"-16X3" (12.9001)									1		
8A	**114926**	BOLT, 3/8"-16X4 1/4" (12.9001)								2			
8A	**187491**	BOLT, 3/8"-16X5 1/2" (12.9001)								2			
	103341	WASHER, 3/8" (12.9190)				2						2	
	106263	WASHER, 7/16" FLAT (12.9190)								4			
	103321	LOCKWASHER, 3/8" (12.9200)								AR	AR		
		4.7010 - PAN, OIL - UPPER											
10B	**5147471**	# PAN (CAST IRON) (5147541) (16V)		1			1		1				
10B	**5141580**	PAN (CAST IRON) (16V)						1					
10B	**5134700**	PAN (CAST IRON) (12V)			1								
10B	**5196822**	@ PAN ASSY. (CAST IRON) (12V)	1										1
	5121182	PLUG, 1/4" PIPE (12.9550)	3										3
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2	2		2	2	2				2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2								2
	5148482	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)	28	28	28		30	30	30				
	179851	BOLT, 3/8"-16X3" (12.9001)		2				2					
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)		4			2		2				
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	2	2	2		2		2				2
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)		8			8	8	8				
	9418964	BOLT, 3/8"-16X5" (12.9001)						2					
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)						2					
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	2	6	2		6	2	6				2
	186290	BOLT, 3/8"-16X6" (12.9001)	4		4								4
	186291	BOLT, 3/8"-16X8 1/2" (12.9001)						2					
	271616	BOLT, 3/4"-10X3 1/4" (12.9001)					2		2				
	103341	WASHER, 3/8" FLAT (12.9190)		2									
	106263	WASHER, 7/16" FLAT (12.9190)			4		2	2	2				4
	103321	LOCKWASHER, 3/8" (12.9200)	8	20	8		20	20	20				8
	103326	LOCKWASHER, 3/4" (12.9200)					2		2				

* NOT SERVICED; USE PART NUMBER SHOWN.

@ NOT SERVICED, USE 1-5128045 PAN, 3-5121182 PLUGS IN 4.7010, 2-5188498 COVERS, 4-179838 BOLTS, 4-103321 LOCKWASHERS IN 4.7120 AND 2-5170049 GASKETS IN 4.7130.

NOT SERVICED, USE PART NUMBER SHOWN AND INCLUDE (1) 5125256 COVER.

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	330	331	340	341	343	346	347	349	352
		4.7010 - PAN, OIL - UPPER (CONT'D)											
		(1) 5121182 PLUG, (1) 5168176 GASKET, (2) 186622 BOLTS AND (2) 103321 LOCKWASHERS.											
		4.7020 - PAN, OIL - LOWER											
#	5145785	* PAN (STAMPED) (FRONT) (5145777) (16V)						1					
#	5111284	* PAN (STAMPED) (REAR) (5147764) (16V) (4.7001)		1									
#	5111898	PAN (CAST IRON) (REAR) (16V)							1				
10B	5141799	PAN (CAST IRON) (12V)			1								
10B	5134549	* PAN (STAMPED) (5147540) (16V)					1						
10B	5125602	@ PAN (CAST IRON) (12V)											1
	5143994	PAN (STAMPED) (12V)											1
	5129786	BAFFLE (REAR) (4.7045)							1				
	5131559	BAFFLE (FRONT) (4.7045)						1					1
	5103185	PLUG, 1" PIPE (12.9550)			1		2						
	5148437	BOLT, 5/16"-18X1" (W/LW)(12.9001)		26			22	22					
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)							26				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											1
	5148481	BOLT, 3/8"-16X1 3/8" (W/LW)(12.9001)			18								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			1								
	5152148	WASHER, 3/8" FLAT COPPER (2.4050)			1								1
	103320	LOCKWASHER, 5/16" (12.9200)							26				
		# FIG. 13D OF 1.0000.											
		* NOT SERVICED. USE PART NUMBER SHOWN.											
		@ NOT SERVICED, USE STAMPED OIL PAN AND GASKET SHOWN IN SAME TYPE, ALSO INCLUDE (18) BOLTS 179839, (18) LOCKWASHERS 103321 AND (1) BOLT 186619 TO ASSURE INTERCHANGEABILITY.											
		4.7030 - GASKET, OIL PAN TO BLOCK											
8A	5117231	GASKET				1						1	
8A	5117230	GASKET									1		
8A	5109915	GASKET (CAST OIL PAN)	1		1							1	
8A	5126562	GASKET SET (CAST OIL PAN)		1			1	1	1	1			
		4.7040 - GASKET, LOWER OIL PAN											
	5150115	GASKET (FRONT) (4.7030)					1	2					
	5150116	GASKET (REAR) (4.7030)		1					2				
	5125635	GASKET			1								1

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	330	331	340	341	343	346	347	349	352
		4.7040 - GASKET, LOWER OIL PAN (CONT'D)											
	5144590	GASKET (4.7020)											1
		4.7080 - PLUG, OIL PAN DRAIN											
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN THE SAME TYPE.											
8A	5177772	PLUG (18MM. X 1.5MM.) (4.4160)				1						1	
8A	5115214	PLUG, 1/2" PIPE (12.9550)	1	2	1	AR	1			1		AR	
8A	5121182	PLUG, 1/4" PIPE (12.9550)	2		2								2
	5138456	PLUG (18MM. X 1.5MM., MAGNETIC)									2		
8A	5146309	PLUG, 1/2" PIPE (MAGNETIC)									1		
8A	144014	PLUG, 1/2" PIPE (12.9550)				2		2				2	
8A	5142549	PLUG, 3/4" PIPE (12.9550)	2	1	2		5		6				2
8A	103870	PLUG, 1" PIPE (12.9550)					2						
		4.7090 - GASKET, OIL PAN DRAIN PLUG											
8A	840277	GASKET (18MM.)					1				1	1	
		4.7100 - TUBE ASSY., OIL PAN DRAIN											
5B	5128019	HOSE, FLEX. (1/2"X19 1/2"L)											1
5B	108686	ELBOW, 1/2"-90 DEG. STREET (12.9510)											1
5B	5145014	PLUG, 3/8" PIPE (12.9550)											1
5B	144034	BUSHING, 3/4"X1/2" RED. (12.9570)											1
5B	219754	NUT, 7/8" (12.9120)											1
		4.7120 - COVER, OIL PAN											
	5130673	COVER							1				
	5131144	COVER					1						
	5109443	COVER		1									
	5125624	COVER	2										
	5188498	COVER (SIDE OF PAN)	2										2
	5125624	COVER			1								1
	5148436	BOLT, 5/16"-18X3/4" (W/LW)(12.9001)					26		22				
	5148437	BOLT, 5/16"-18X1" (W/LW)(12.9001)		22									
	5148480	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)	27										14
	180121	BOLT, 3/8"-16X7/8" (12.9001)	4										4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2		14								
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	3										
	5152148	WASHER, 3/8" COPPER FLAT (2.4050)	1										

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	330	331	340	341	343	346	347	349	352
		4.7120 - COVER, OIL PAN (CONT'D)											
	106263	WASHER, 7/16" FLAT (12.9190)	4										
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR								AR
		4.7130 - GASKET, OIL PAN COVER											
	5150115	GASKET (4.7030)		1					1				
	5150116	GASKET (4.7030)					1						
	5124796	GASKET (4.7040)	2		4								1
	5170049	GASKET (4.5007)	2										2
		4.7140 - SUMP, OIL PAN											
10A	5115157	SUMP						1					
10A	5136154	SUMP (4.7020)								1			
	5145014	PLUG, 3/8" PIPE (12.9550)						1					
	5178994	PLUG, 3/4" (MAGNETIC) (4.7080)								1			
	179816	BOLT, 5/16"-18X3/4" (12.9001)						8					
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								14			
	103321	LOCKWASHER, 3/8" (12.9200)						14		14			
		4.7150 - GASKET, OIL PAN SUMP											
	5153986	GASKET						1					
	5124796	GASKET (4.7040)								1			

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 356	362	363	365	368	371	374	380	382	383	384	385
		4.7001 - PAN, OIL												
8A	5109112	PAN (STAMPED) (8V)		1										
8A	5140709	PAN (STAMPED) (8V)					1							
8A	5129126	PAN (STAMPED) (6V)						1						
	5138626	* PAN ASSY. (STEEL) (8V)										1		
	5115214	PLUG, 1/2" PIPE (12.9550)										1		
	5142549	PLUG, 3/4" PIPE (12.9550)		2										
8A	446564	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)		28			28	24				28		
		* OBSOLETE.												
		4.7010 - PAN, OIL - UPPER												
@	5133052	* PAN (CAST IRON) (5147541) (16V)	1											
@	5131709	* PAN (CAST IRON) (5147541) (16V)			1									
@	5138068	& PAN (CAST IRON) (16V)				1			1					
@	5137693	* PAN (CAST IRON) (5146304) (8V)								1				
8A	5139697	PAN (CAST IRON) (4.7001) (6V)									1			
@	5196822	# PAN ASSY. (CAST IRON) (12V)											1	
	5121182	PLUG, 1/4" PIPE (12.9550)									3		2	
	5115214	PLUG, 1/2" PIPE (12.9550)			1	1			1		1			
	5142549	PLUG, 3/4" PIPE (12.9550)	4											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2		2	2			2				2	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								2	2		2	
	9419283	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)	30		30	28			30	20	20		28	
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2		2	6			2					
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	2		2	2			2	2	2		2	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	8		8	8			8					
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	6		6	6			6	2	2		2	
	186290	BOLT, 3/8"-16X6" (12.9001)								4			4	
	271616	BOLT, 3/8"-20X3 1/4" (12.9001)	2		2	2			2					
	5152148	WASHER, 3/8" COPPER (2.4050)											1	
	103341	WASHER, 3/8" (12.9190)			AR	AR					AR	AR	AR	
	106263	WASHER, 7/16" (12.9190)	AR		AR	AR			AR					
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR			AR	AR	AR		AR	
	103326	LOCKWASHER, 3/4" (12.9200)	2		2	2			2					

@ FIG. 13D OF 1.0000.

* NOT SERVICED. USE PART NUMBER SHOWN, PLUS 1-5125256 COVER, 1-5142549 PLUG, 1-5168176 GASKET, 2- 186622 BOLTS AND 2-103321 LOCKWASHERS.

& NOT SERVICED, USE 5147541 PAN AND INCLUDE 1-5188498 COVER, 1-5168176 GASKET, 2-186622 BOLTS AND 2-103321 LOCKWASHERS.

NOT SERVICED USE 1-5128045 PAN, 3-5121182 PLUGS IN 4.7010, 2-5188498 COVERS, 4-179838 BOLTS, 4-103321 LOCKWASHERS IN 4.7120 AND 2-5170049 GASKETS IN 4.7130.

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 356	362	363	365	368	371	374	380	382	383	384	385
		4.7010 - PAN, OIL - UPPER (CONT'D)												
		4.7130.												
		4.7020 - PAN, OIL - LOWER												
@	5136705	* PAN (STAMPED) (5147764) (16V)	1		1									
@	5145777	PAN (STAMPED) (16V)	1		1									
@	5111284	* PAN (STAMPED) (5147764) (16V)				1			1					
@	5145785	* PAN (STAMPED) (5145777) (16V)							1					
@	5131099	PAN (CAST IRON) (8V)								1				
	5143994	PAN (STAMPED) (12V)										1	1	
	5125602	# PAN (CAST IRON) (12V)											1	
	5129786	BAFFLE (REAR) (4.7045)	1		1				1					
	5129787	BAFFLE (FRONT) (4.7045)	1		1				1					
	5121182	PLUG, 1/4" PIPE (12.9550)											1	
	5115214	PLUG, 1/2" PIPE (12.9550)	2		2	1			3					
	5103186	PLUG, 1/2" PIPE (12.9550)				1								
	5142549	PLUG, 3/4" PIPE (12.9550)								1				
	5103185	PLUG, 1" PIPE (12.9550)	2		2									
	179816	BOLT, 5/16"-18X3/4" (12.9001)									8			
	5148437	BOLT, 5/16"-18X1" (W/LW)(12.9001)	26		26	26			48				18	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											1	
	5148481	BOLT, 3/8"-16X1 3/8" (12.9001)								12				
	5152148	WASHER, 3/8" COPPER (2.4050)											1	
	103321	LOCKWASHER, 3/8" (12.9200)									AR			
		@ FIG. 13D OF 1.0000.												
		* NOT SERVICED. USE PART NUMBER SHOWN.												
		# CONVERT TO STAMPED OIL PAN AND GASKET SHOWN IN SAME TYPE, ALSO INCLUDE (18) BOLTS 179839, (1) 186619, (18) WASHERS 103321 AND (3) PLUGS 444636 TO ASSURE INTERCHANGEABILITY.												
		4.7030 - GASKET, OIL PAN TO BLOCK												
8A	5126562	GASKET	1		1	1			1					
8A	5117231	GASKET		1			1	1				1		
8A	5109915	GASKET											1	
8A	5196533	GASKET SET								1				
8A	5196532	GASKET SET									1			
		4.7040 - GASKET, LOWER OIL PAN												
	5150115	GASKET (4.7030) (FRONT)	2		2				2					
	5150116	GASKET (4.7030) (REAR)	2		2	1			2					
	5131100	GASKET								1				

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 356	362	363	365	368	371	374	380	382	383	384	385
		4.7040 - GASKET, LOWER OIL PAN (CONT'D)												
	5153986	GASKET (4.7130)									1			
	5125635	GASKET											1	
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN THE SAME TYPE.												
	5138621	PLUG (18 MM. X 1.5 MM.)	1				1	1			1			
8A	5146891	PLUG, 1/2" PIPE SQ. HD. (MAGNETIC)	1				1	1			1			
8A	5115214	PLUG, 1/2" PIPE (12.9550)	1				3	1			1		2	
	5142549	PLUG, 3/4" PIPE (12.9550)				1		1					3	
		4.7090 - GASKET, OIL PAN DRAIN PLUG												
	840277	GASKET (18 MM.)		1			1	1			1			
		4.7100 - TUBE ASSY., OIL PAN DRAIN												
	5127060	TUBE ASSY. (DEV. L. 20.52")												1
5B	5112605	HOSE, FLEX. (14"L.)		1			1							
5B	5122206 #	HOSE, FLEX. (21"L.) (5129157, #10X73"L.)				1								
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)				1								
	225828	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)												1
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)				1								
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)				1								1
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)		1			1							
	187396	COUPLING, 3/8"X1 3/16" PIPE (12.9580)				1								
	5121825	FITTING, 3/8" PIPE (12.4090)				2								
5B	5145014	PLUG, 3/8" PIPE (12.9550)		1			1							
	112304	PLUG, 3/8" PIPE (12.9550)				1								
5B	219754	NUT, 7/8"-14 HEX. (12.9120)		1			1							
		# NOT SERVICED. STANDARD LENGTH HOSE SHOWN WILL BE PROVIDED.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5153473	CLIP, 1/2" TUBE, 3/8" BOLT (4.6040)												1
	5151189	CLIP, 3/4" (4.8040)				1								
	5173022	BRACKET (5.5379)				1								

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 356	362	363	365	368	371	374	380	382	383	384	385
		4.7101 - CLIP, OIL PAN DRAIN TUBE (CONT'D)												
	5127058	BRACKET (WITH DEEP PAN) (4.7112)												1
	181333	BOLT, 5/16"-24X5/8" (12.9001)												1
	186627	BOLT, 3/8"-24X1" (12.9001)				1								
	103320	LOCKWASHER, 5/16" (12.9200)												1
	103321	LOCKWASHER, 3/8" (12.9200)				1								
	114493	NUT, 5/16"-24 (2.7170)												1
	117049	NUT, 3/8"-24 (12.9120)				1								
		4.7103 - CAP ASSY., OIL PAN DRAIN TUBE												
	5127061	CAP ASSY. (4.7100)												1
		4.7120 - COVER, OIL PAN												
	5109443	COVER				1								
	5188498	COVER (SIDE OF PAN)											2	
	5148437	BOLT, 5/16"-18X1" (W/LW) (2.3260)				22								
	5148480	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)											14	
	179838	BOLT, 3/8"-16X7/8" (12.9001)											4	
	103321	LOCKWASHER, 3/8" (12.9200)											8	
		4.7130 - GASKET, OIL PAN COVER												
	5150115	GASKET (4.7030)				1								
	5124796	GASKET (4.7040)											1	
	5170049	GASKET (4.5007)											2	
		4.7140 - SUMP, OIL PAN												
	5153911	SUMP									1			
	5115214	PLUG, 1/2" (12.9550)									1			
	179816	BOLT, 5/16"-18X3/4" (12.9001)									8			
	103320	LOCKWASHER, 5/16" (12.9200)									8			
		4.7150 - GASKET, OIL PAN SUMP												
	5153986	GASKET (4.7130)									1			

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3887	3894	3955	4144	4166	4194	4485	4489	4900	4994	4999
		4.7001 - PAN, OIL											
8A	**5131335**	* PAN (STAMPED) (8V) (5103513)					1						
8A	**5144743**	PAN (STAMPED) (8V)						1					
8A	**217910**	BOLT, 3/8"-16X5/8" (12.9027)					2	2					
8A	**446564**	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)					26	28					
	103341	WASHER, 3/8" (12.9190)					2	2					
		* NOT SERVICED; USE NUMBER IN PARENTHESES.											
		4.7010 - PAN, OIL - UPPER											
@	**5138419**	PAN (CAST IRON) (12V)							1				
@	**5131853**	* PAN (CAST IRON) (5147541) (16V)										1	
@	**5196822**	# PAN ASSY. (CAST IRON) (12V)									1		1
@	**5199341**	= PAN ASSY. (CAST IRON) (12V)				1							
	5129506	ADAPTOR								1			
	5118400	COVER (COOLER INLET) (5.3080)								1			
	5121182	PLUG, 1/4" PIPE (12.9550)				2			2	1	3		2
	5115214	PLUG, 1/2" PIPE (12.9550)				1			1		1	1	1
	5142549	PLUG, 3/4" PIPE (12.9550)									2	2	2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				2			2		2	2	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				2			2		2		2
	9419283	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)				47				21	47	58	
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)							28				
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)								3			
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)										2	
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)				2			2		2	2	2
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)										8	
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)				2			2		2	6	2
	186290	BOLT, 3/8"-16X6" (12.9001)				4			4		4		4
	271616	BOLT, 3/8"-20X3 1/4" (12.9001)										2	
	103341	WASHER, 3/8" (12.9190)										AR	
	106263	WASHER, 7/16" (12.9190)				AR			AR		AR		AR
	103321	LOCKWASHER, 3/8" (12.9200)				AR			AR	AR	AR	AR	
	103326	LOCKWASHER, 3/4" (12.9200)										2	
		@ FIG. 13D OF 1.0000.											
		* NOT SERVICED. USE PART NUMBER SHOWN.											
		# NOT SERVICED, USE 1-5128045 PAN, 3-5121182 PLUGS IN 4.7010, 2-5188498 COVERS, 4-179838 BOLTS, 4-103321 LOCKWASHERS IN 4.7120 AND 2-5170049 GASKETS IN 4.7130.											
		= NOT SERVICED, USE 1-5143206 PAN, 3-5121182 PLUGS IN 4.7010, 2-5188498 COVERS, 4-179838 BOLTS, 4-103321 LOCKWASHERS AND 2-5170049 GASKETS IN 4.7130.											
		4.7020 - PAN, OIL - LOWER											
@	**5111284**	* PAN (STAMPED) (5147764) (SUMP) (16V)										1	
@	**5145785**	* PAN (STAMPED) (5145777) (16V)								1		1	
	5143994	PAN (STAMPED) (12V)				1					1		

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3871	3944	3955	4144	4166	4199	4485	4489	4900	4944	4999
		4.7020 - PAN, OIL - LOWER (CONT'D)											
	5125602 #	PAN (CAST IRON) (12V)									1		
@	5170508 #	PAN (CAST IRON) (12V)				1							
@	5141799	PAN (CAST IRON) (12V)							1				1
	5129786	BAFFLE (REAR) (4.7045)										1	
	5129787	BAFFLE (FRONT) (4.7045)										1	
	5121182	PLUG, 1/4" PIPE (12.9550)								1			
	5145014	PLUG, 3/8" PIPE (12.9550)								1			
	144014	PLUG, 1/2" PIPE (12.9550)										3	
	5146309	PLUG, 1/2" PIPE (4.7080)								1			
	5142549	PLUG, 3/4" PIPE (12.9550)				2						2	
	5103185	PLUG, 1" PIPE (12.9550)											1
	5148437	BOLT, 5/16"-18X1" (W/LW)(12.9001)								22	18	48	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											1
	5148481	BOLT, 3/8"-16X1 3/8" (12.9001)				18			18				
	5152148	WASHER, 3/8" COPPER (2.4050)				1			1		1		1
		@ FIG. 13D OF 1.0000.											
		* NOT SERVICED. USE PART NUMBER SHOWN.											
		# CONVERT TO STAMPED OIL PAN AND GASKET SHOWN IN SAME TYPE, ALSO INCLUDE (18) BOLTS 179839, (1) 186619, (18) WASHERS 103321 AND (3) PLUGS 444636 TO ASSURE INTERCHANGEABILITY.											
		4.7030 - GASKET, OIL PAN TO BLOCK											
8A	5126562	GASKET										1	
8A	5117231	GASKET					1	1					
8A	5109915	GASKET				1			1		1		1
8A	5196532	GASKET SET								1			
		4.7040 - GASKET, LOWER OIL PAN											
	5150115	GASKET (4.7030) (FRONT)								1		2	
	5150116	GASKET (4.7030) (REAR)										2	
	5125635	GASKET				1			1		1		1
		4.7080 - PLUG, OIL PAN DRAIN											
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN THE SAME TYPE.											
	5138456	PLUG (18 MM. X 1.5 MM.)					1						
8A	5146891	PLUG, 1/2" PIPE SQ. HD. (MAGNETIC)					1						

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3887	3894	3955	4144	4166	4169	4485	4889	4900	4944	4999
		4.7080 - PLUG, OIL PAN DRAIN (CONT'D)											
8A	5146309	PLUG, 1/2" PIPE, RECESSED HD. (MAGNETIC)					1			1			
	5142549	PLUG, 3/4" PIPE (12.9550)							1				
		4.7090 - GASKET, OIL PAN DRAIN PLUG											
	840277	GASKET (18 MM.)					1						
		4.7100 - TUBE ASSY., OIL PAN DRAIN											
	5175082	TUBE ASSY. (DEV. L. 12 3/4")	1										
	5128019	TUBE ASSY., FLEX. (19 1/2"L.)			1								
	5127060	TUBE ASSY. (DEV. L. 20.52")									1		
5B	5112605	HOSE, FLEX. (14"L.)		1									
	137425	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)									1		
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9510)			1								
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)									1		
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)		1	1								
5B	5145014	PLUG, 3/8" PIPE (12.9550)	1	1	1								
5B	219754	NUT, 7/8"-14 HEX. (12.9120)	1	1	1								
		4.7101 - CLIP, OIL PAN DRAIN TUBE											
	5153473	CLIP, 1/2" TUBE, 3/8" BOLT (4.6040)									1		
	181333	BOLT, 5/16"-24X5/8" (12.9001)									1		
	103320	LOCKWASHER, 5/16" (12.9200)									1		
	114493	NUT, 5/16"-24 HEX. (12.9120)									1		
		4.7103 - CAP ASSY., OIL PAN DRAIN TUBE											
	5127061	CAP ASSY. (4.7100)									1		
		4.7120 - COVER, OIL PAN											
	5188498	COVER (SIDE OF PAN)				2					2		2
	5125624	COVER				1					1		1
	5118400	COVER (5.3080)								1			
	5139860	FLANGE						1					
	444636	PLUG, 3/4" PIPE (12.9550)				1							
	5178994	PLUG, 3/4" (MAGNETIC) (4.7080)						1					

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3871	3944	3955	4114	4166	4119	4855	4889	4900	4944	4999
		4.7120 - COVER, OIL PAN (CONT'D)											
	213546	BOLT, 1/4"-20X1" (12.9001)						2					
	180120	BOLT, 3/8"-16X3/4" (12.9001)								2			
	446564	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)				14					14		
	180121	BOLT, 3/8"-16X7/8" (12.9001)				4					4		4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											14
	5194069	WASHER, 1/4" COPPER (2.8050)						2					
	103321	LOCKWASHER, 3/8" (12.9200)				AR				2			AR
		4.7130 - GASKET, OIL PAN COVER											
	5124796	GASKET (4.7040)				1					1		1
	5170049	GASKET (4.5007)				2					2		2
	5139862	GASKET						1					
	5129515	GASKET (4.5007)								1			

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 501	504	509	513	517	520	521	522	524	525	538	540
		4.7001 - PAN, OIL												
8A	5143772	PAN ASSY. (STAMPED) (8V)						1						
8A	5143056	PAN (STAMPED) (12V)							1					
8A	5179192	+ PAN (STAMPED) (8V) (8921171)										1		
	5142549	PLUG, 3/4" PIPE (12.9550)										3		
	180120	BOLT, 3/8"-16X3/4" (12.9001)							2					
8A	5148480	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)						28	34					
	179839	BOLT, 3/8"-16 X 1"							4					
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)										2		
8A	9419283	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)							28			20		
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)							2			2		
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)							2			2		
	186290	BOLT, 3/8"-16X6" (12.9001)							4			4		
	103341	WASHER, 3/8" FLAT (12.9190)						2	2					
	103321	LOCKWASHER, 3/8" (12.9200)							AR			AR		
		+ NOT SERVICED; USE NUMBER IN PARENTHESES.												
		4.7010 - PAN, OIL - UPPER												
	5139203	PAN (CAST IRON) (4.7001) (12V)	1											
10B	5141580	PAN (CAST IRON) (16V)		1										
	5147471	@ PAN (CAST IRON) (5147541) (16V)			1									
10B	5196822	# PAN ASSY. (CAST IRON) (12V)				1				1	1		1	1
	5199341	= PAN ASSY. (CAST IRON) (12V)					1							
	5121182	& PLUG, 1/4" PIPE (2.4015)	3			5	3	1		5	3		3	3
	5115214	PLUG, 1/2" PIPE (12.9550)	1			1	1			1	1		1	
	5103186	PLUG, 1/2" PIPE HEX. HD. (12.9550)												1
	5142549	PLUG, 3/4" PIPE (12.9550)	2											
	5103185	PLUG, 1" PIPE (12.9550)		2										
	5111798	& PLUG, 1" PIPE (12.9550)						2						
	5101377	BOLT, 3/8"-16X1" HEX. W/SEAL (5.2020)											1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2	2	2	2			2	2		1	1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2							2	2		2	2
	9419283	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)	28	30	28	28	28			28	28		28	28
	179851	BOLT, 3/8"-16X3" (12.9001)		2										
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)			4									
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	2		4	2	2			2	2		2	2
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)		8	8									
	186289	BOLT, 3/8"-16X5" (12.9001)		2										
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)		2										
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	2	6	6	2	2			2	2		2	2
	186290	BOLT, 3/8"-16X6" (12.9001)	4			4	4			4	4		4	4
	186291	BOLT, 3/8"-16X8 1/2" (12.9001)		2										
	223452	BOLT, 3/4"-10X2 1/2" (11.1100)		2										
	5152148	WASHER, 3/8"X9/16" FLAT (COPPER)					1			1	1			
	106263	WASHER, 3/8" (12.9190)	4	2		4	4			4	4		4	4
	103341	WASHER, 3/8" (12.9190)			2									
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR			AR	AR		AR	AR
	103326	LOCKWASHER, 3/4" (12.9200)		2										
		* FIG. 13D OF 1.0000.												
		@ NOT SERVICED. USE PART NUMBER												

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 501	504	509	513	517	520	521	522	524	525	538	540
		4.7010 - PAN, OIL - UPPER (CONT'D)												
		SHOWN AND INCLUDE (1) 5125256 COVER, (1) 5142549 PLUG, (1) 5168176 GASKET, (2) 186622 BOLTS AND (2) 103321 LOCKWASHERS.												
		# NOT SERVICED, USE 1-5128045 PAN, 3-5121182 PLUGS IN 4.7010, 2-5188498 COVERS, 4-179838 BOLTS, 4-103321 LOCKWASHERS IN 4.7120 AND 2-5170049 GASKETS IN 4.7130.												
		& USE ON NON-TURBO ENGINES ONLY.												
		= NOT SERVICED, USE 1-5143206 PAN, 3-5121182 PLUGS IN 4.7010, 2-5188498 COVERS, 4-179838 BOLTS, 4-103321 LOCKWASHERS IN 4.7120 AND 2-5170049 GASKETS IN 4.7130.												
		4.7020 - PAN, OIL - LOWER												
	5125602	* PAN (CAST IRON) (12V)	1				1				1			
	5143994	PAN (STAMPED) (12V)	1				1				1		1	1
	5145069	# PAN (STAMPED) (REAR) (16V) (5147764)			1									
	5141009	PAN (16V)				1								
	5141799	PAN (CAST IRON) (12V)								1				
108	5145779	@ PAN (STAMPED) (16V)		1										
	5103186	PLUG, 1/2" PIPE (12.9550)			1									
	444636	PLUG, 3/4" PIPE HEX. HD. (12.9550)	4											4
	5142549	PLUG, 3/4" PIPE (12.9550)			4	1	2			2	2		4	
	5148437	BOLT, 5/16"-18X1" (12.9001)			26									
	179839	BOLT, 3/8"-16X1" (12.9001)	18										18	18
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1										1	1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	1	22										
	9419283	BOLT, 3/8"-16X1 3/8" (W/LW)(12.9001)	18			18	18			18	18			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	1			1	1			1	1			
	5152148	WASHER, 3/8"X9/16" FLAT (COPPER)	1				1			1			1	1
	103321	LOCKWASHER, 3/8" (12.9200)	18										18	18
		* NOT SERVICED; USE STAMPED OIL PAN AND GASKET SHOWN IN SAME TYPE AND INCLUDE (18) BOLTS 179839, (1) BOLT 186619, (18) LOCKWASHERS 103321 AND (3) PLUGS 444636 TO INSURE INTERCHANGEABILITY.												
		@ NOT SERVICED, USE 5147540 PLUS 2 5103185 PLUGS.												
		# NOT SERVICED; USE NUMBER IN PARENTHESES.												
		4.7030 - GASKET, OIL PAN TO BLOCK												
8A	5109915	GASKET	1			1	1			1	1		1	1
8A	5117231	GASKET						1						
	5141148	GASKET							1					
	5126562	GASKET SET		1	1									
	5196533	GASKET SET										1		

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 501	504	509	513	517	520	521	522	524	525	538	540
		4.7040 - GASKET, LOWER OIL PAN												
	5125635	GASKET	1			1	1			1	1			
	5150115	GASKET		2										
	5150116	GASKET (REAR) (4.7030)			1									
	5144590	GASKET											1	1
		4.7045 - BAFFLE, OIL PAN												
	5131559	BAFFLE		1										
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN THE SAME TYPE.												
	5138621	PLUG (18 MM. X 1.5 MM.) (4.4160)		1				1	1					
8A	5115214	PLUG, 1/2" PIPE (12.9550)		2				1	1					
	5142549	PLUG, 3/4" PIPE (12.9550)						1						
	444636	PLUG, 3/4" PIPE (12.9550)										1		
		4.7090 - GASKET, OIL PAN DRAIN PLUG												
	840277	GASKET		1				1	1					
		4.7100 - TUBE ASSY., OIL PAN DRAIN												
	5127057	TUBE ASSY. (DEV. L. 10.40")						1						
	142767	BUSHING, REDUCING (12.9570)						1						
	137425	ELBOW, 90 DEG. (12.9480)						1						
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5153473	CLIP (4.6040)						1						
	5127059	BRACKET (4.7112)						1						
	181333	BOLT, 5/16"-24X5/8" (12.9001)						1						
	103320	LOCKWASHER, 5/16" (12.9200)						1						
	122193	NUT, 5/16"-24 HEX. (12.9120)						1						
		4.7103 - CAP ASSY., OIL PAN DRAIN TUBE												
	5127061	CAP ASSY.						1						

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 501	504	509	513	517	520	521	522	524	525	538	540
		4.7120 - COVER, OIL PAN												
	5125624	COVER	1				1			1	1		1	1
	5109443	COVER			1									
	5188498	COVER (SIDE OF PAN)				2	2			2	2		2	2
	5121182	PLUG, 1/4" PIPE (12.9550)				3								
	5142549	PLUG, 3/4" PIPE (12.9550)			1						1		1	
	444636	PLUG, 3/4" PIPE HEX. HD. (12.9550)												1
	189691	BOLT, 5/16"-18X3/4" (WITH LOCKWASHER) (12.9001)			8									
	189697	BOLT, 5/16"-18X1" (WITH LOCKWASHER) (12.9001)			14									
	180121	BOLT, 3/8"-16X7/8" (12.9001)				4	4			4	4		4	4
	5148480	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)	14										14	14
	186619	BOLT, 3/8"-16X1 1/8" (W/LW)(12.9001)					14			14	14			
	271616	BOLT, 3/4"-10X3 1/4" (12.9001)			2									
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR			AR	AR		AR	AR
	103326	LOCKWASHER, 3/4" (12.9200)			2									
		4.7130 - GASKET, OIL PAN COVER												
	5150115	GASKET			1									
	5170049	GASKET				2	2			2	2		2	2
	5124796	GASKET	1				1			1	1		1	1
		4.7140 - SUMP, OIL PAN												
)A	5136154	SUMP (4.7020)				1								
0A	5115157	SUMP		1										
	5145014	PLUG, 3/8" PIPE (12.9550)		1										
	444636	PLUG, 3/4" PIPE (12.9550)				1								
	179816	BOLT, 5/16"-18X3/4" (12.9001)		8										
	9419283	BOLT, 3/8"-16X1 3/8" (W/LW)(12.9001)				14								
	103321	LOCKWASHER, 3/8" (12.9200)		8										
		4.7150 - GASKET, OIL PAN SUMP												
	5153986	GASKET		1										
	5124796	GASKET				1								

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	545	547	551	556	557	561	563	567	572	580	583
		4.7001 - PAN, OIL												
		▪ FOR TYPE 581 USE TYPE 639. ▪												
8A	**5147750**	PAN (CAST IRON) (8V)					1							
	5124179	PAN (ALUMINUM) (12V)						1						
8A	**5141969**	PAN (CAST IRON) (8V)							1					
8A	**5145469**	PAN (CAST IRON) (6V)										1		
	5146304	PAN (CAST IRON) (4.7020) (8V)												1
8A	**5121182**	PLUG, 1/4" (12.9550)					3	1						
	5115214	PLUG, 1/2" (12.9550)					1							
	5142549	PLUG, 3/4" (12.9550)					2	6				1		
	103870	PLUG, 1" SQ. HD. (12.9550)					3							
	5111798	PLUG, 1" SQ. HD. (12.9550)							4					
	5146646	PLUG, 1 1/4" (12.9550)						1						
	5101377	BOLT, 3/8"-16 X 1" W/SEAL (5.2020)				1				1				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							2					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					4					4		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						2						
8A	**9419283**	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)					24		19					
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)						26						
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)						2						
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)					2	2	2			2		
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)					2	2	2			2		
	186290	BOLT, 3/8"-16X6" (12.9001)							5			4		
	116399	BOLT, 3/8"-16X6 1/4" (12.9001)						4						
	103341	WASHER, 3/8" (12.9190)						2						
	106263	WASHER, 7/16" (12.9190)					4					4		
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR	AR	AR	AR		AR		
		4.7010 - PAN, OIL - UPPER												
*	**5139203**	PAN (CAST IRON) (4.7001) (12V)											1	
10B	**5196822**	# PAN ASSY. (CAST IRON) (12V)	1	1							1			
	5199341	# PAN ASSY. (CAST IRON) (12V)			1	1				1				
	5121182	PLUG, 1/4" PIPE (12.9550)	3	3	3	3				3	3		3	
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1							1		1	
	5103186	PLUG, 1/2" PIPE HEX. HD. (12.9550)			1	1				1				
	5101377	BOLT, 3/8"-16 X 1" W/SEAL	1											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2	2	2				2	2		2	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2				2	2		2	2
	9419283	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)	28	28	28	28				28	28		28	20
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	2	2	2	2				2	2		2	2
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	2	2	2	2				2	2		2	2
	186290	BOLT, 3/8"-16X6" (12.9001)	4	4	4	4				4	4		4	4
	5152148	WASHER, 3/8"X9/16" FLAT (COPPER)									1			
	106263	WASHER, 3/8" (12.9190)	4	4	4	4				4	4		4	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR				AR	AR		AR	AR

* FIG. 13D OF 1.0000.

NOT SERVICED, USE 1-5143206 PAN, 3-5121182 PLUGS IN 4.7010, 2-5188498 COVERS, 4-179838 BOLTS, 4-103321 LOCKWASHERS IN 4.7130.

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	545	547	551	556	557	561	563	567	572	580	583
		4.7010 - PAN, OIL - UPPER (CONT'D)												
		4.7120 AND 2-5170049 GASKETS IN 4.7130.												
		4.7020 - PAN, OIL - LOWER												
	5143994	PAN (STAMPED) (12V)	1	1	1	1				1			1	
	5131099	PAN (CAST IRON) (8V)												1
	5121182	PLUG, 1/4" PIPE SOCKET HD. (12.9550)								1				
	5145012	PLUG, 1/2" PIPE (12.9550)												1
	444636	PLUG, 3/4" PIPE HEX. HD. (12.9550)			4	4				4				1
	5142549	PLUG, 3/4" PIPE (12.9550)	4	4								4		
	103870	PLUG, 1" PIPE SQ. HD. (12.9550)												2
	179839	BOLT, 3/8"-16X1" (12.9001)	18	18	18	18				18		18		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1	1	1	1				1		1		
	443855	BOLT, 3/8"-16X1 3/8" (W/LW)(12.9001)												12
	5152148	WASHER, 3/8"X9/16" FLAT (COPPER)	1	1	1	1				1		1		
	103321	LOCKWASHER, 3/8" (12.9200)	18	18	18	18				18		18		
		4.7030 - GASKET, OIL PAN TO BLOCK												
8A	5109915	GASKET	1	1	1	1		2		1	1	1		
	5196533	GASKET SET					1		1					1
	5196532	GASKET SET										1		
		4.7040 - GASKET, LOWER OIL PAN												
	5144590	GASKET	1	1	1	1				1			1	
	5131100	GASKET												1
		4.7045 - BAFFLE, OIL PAN												
	5124324	BAFFLE						1						
	5124316	BAFFLE						1						
	5140613	BAFFLE							1					
	5145468	BAFFLE										1		
	5124317	SEAL RING						1						
	5124318	PLATE, BAFFLE						1						
	5124315	BRACKET						2						
	5124319	REINFORCEMENT						2						
	181309	BOLT, 1/4"-28X1/2" (12.9001)						8						
	123450	BOLT, 1/4"-28X3/4" (12.9001)						2						
	180121	BOLT, 3/8"-16X7/8" (12.9001)						4	2					
	103319	LOCKWASHER, 1/4" (12.9200)						14						
	103321	LOCKWASHER, 3/8" (12.9200)						AR	AR					

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5411	5445	5447	5551	5556	5557	5611	5663	5667	5672	5800	5883
		4.7045 - BAFFLE, OIL PAN (CONT'D)												
	121902	NUT, 1/4"-28 HEX. (12.9120)						10						
	123479	NUT, 3/8"-16 HEX. (12.9120)						4						
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN THE SAME TYPE.												
8A	5142549	PLUG, 3/4" PIPE (MAGNETIC)							1					
		4.7100 - TUBE ASSY., OIL PAN DRAIN												
	5127056	TUBE ASSY. (DEV. L. 17.62")					1							
	5127060	TUBE ASSY. (DEV. L. 20.52")	1											
	142767	BUSHING, REDUCING (12.9570)	1				1							
	225828	ELBOW, 90 DEG. (12.9480)	1				1							
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5153473	CLIP (4.6040)	1				1							
	5127058	BRACKET (4.7112)	1				1							
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1				1							
	103320	LOCKWASHER, 5/16" (12.9200)	1				1							
	114493	NUT, 5/16"-24 HEX. (12.9120)	1				1							
		4.7103 - CAP ASSY., OIL PAN DRAIN TUBE												
	5127061	CAP ASSY.	1				1							
		4.7120 - COVER, OIL PAN												
	5125624	COVER	1	1	1	1				1	2		1	
	5188498	COVER (SIDE OF PAN)	2	2	2	2				2	2			
	5121182	PLUG, 1/4" PIPE (12.9550)	3	3	3	3								
	5142549	PLUG, 3/4" PIPE (12.9550)	1	1									1	
	444636	PLUG, 3/4" PIPE HEX. HD. (12.9550)			1	1				1				
	180121	BOLT, 3/8"-16X7/8" (12.9001)	4	4	4	4				4	4			
	5148480	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)	14	14	14	14				14	28		14	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR				AR	AR			
		4.7130 - GASKET, OIL PAN COVER												
	5170049	GASKET	2	2	2	2				2	2			
	5124796	GASKET	1	1	1	1				1	2		1	

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 585	595	601	610	612	613	614	615	616	618	620	624
		4.7001 - PAN, OIL												
	5147750	PAN (CAST IRON) (8V)		1		1								
	5112431	PAN (ALUMINUM) (12V)			1									
	5148530	PAN (STAMPED) (8V)										1		
	5142318	PAN (STAMPED) (8V)											1	
	5142085	PAN (STAMPED) (8V)												1
	5121182	PLUG, 1/4" (12.9550)		2		3								
	5115214	PLUG, 1/2" (12.9550)		1		1								
	5103186	PLUG, 1/2" (12.9550)	1											
	144014	PLUG, 1/2" (12.9550)												1
	5142549	PLUG, 3/4" (12.9550)		1	1	2								
	5178994	PLUG, 3/4" (4.7080)										1		
	103870	PLUG, 1" (12.9550)		1		3							2	2
	5111798	PLUG, 1" SQ. HD. (12.9550)										2		
8A	446564	BOLT, 3/8"-16X7/8" (W/LW)(12.9001)										28	28	28
	179839	BOLT, 3/8"-16X1" (12.9001)										2		
	5101377	BOLT, 3/8"-16 X 1" W/SEAL (5.2020)	1											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			2	4								
	5148482	BOLT, 3/8"-16X1 3/8" (W/LW)(12.9001)		24	26	24								
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)			2									
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)		2	2	2								
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)		2	2	2								
	186290	BOLT, 3/8"-16X6" (12.9001)			4									
	5152148	WASHER, 3/8" FLAT COPPER (2.4050)			1									
	103341	WASHER, 3/8" (12.9190)										2	2	2
	106263	WASHER, 7/16" FLAT (12.9190)		4	2	4								
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR						AR		
		+ NOT SERVICED; USE NUMBER IN PARENTHESES.												
		4.7010 - PAN, OIL - UPPER												
	5147471	@ PAN (CAST IRON) (16V) (5147541)					1	1	1	1				
	5146711	PAN (CAST IRON) (16V) FOR TYPE 588 USE TYPE 697.									1			
	5199341	# PAN ASSY. (CAST IRON) (12V)	1											
	5121182	PLUG, 1/4" PIPE (12.9550)	3											
	5142549	PLUG, 3/4" PIPE (12.9550)	3				6	6	6	6	6			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					2	2	2	2	6			
	5148482	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)	28				28	28	28	28	32			
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)					4	4	4	4				
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	2				2	2	2	4	4			
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)					8	8	8	8	8			
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	2				6	6	6	6	4			
	186290	BOLT, 3/8"-16X6" (12.9001)	4											
	271616	BOLT, 3/4"-20X3 1/4" (12.9001)					2		2					
	103341	WASHER, 3/8" (12.9190)					AR	AR	AR	AR	AR			
	106263	WASHER, 7/16" FLAT (12.9190)					2	2	2	2	2			
	103321	LOCKWASHER, 3/8" (12.9200)	8				AR	AR	AR	AR	AR			
	103326	LOCKWASHER, 3/4" (12.9200)					2		2					
		* FIG. 13D OF 1.0000.												

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5855	5955	6001	6110	6112	6113	6114	6115	6116	6118	6120	6124
		4.7010 - PAN, OIL - UPPER (CONT'D)												
		# NOT SERVICED, USE 1-5143206, (3) 5121182 PLUGS IN 4.7010, (2) 5188498 COVERS, (4) 179838 BOLTS, (4) 103321 LOCKWASHERS IN 4.7120 AND (2) 5170049 GASKETS IN 4.7130.												
		@ NOT SERVICED, USE PART NUMBER SHOWN PLUS, 1-5125256, 1-5142549, 1-5118176, 2-186622 AND 2-103321.												
		4.7020 - PAN, OIL - LOWER												
	5170508	PAN (CAST IRON) (12V)	1											
	5145777	PAN (FRONT) (16V)					1		1		1			
	5145069	PAN (REAR) (4.7001) (16V)					1			1	1			
	5111898	PAN (16V)						1						
	5136705	@ PAN (REAR) (5147764) (16V)							1					
	144014	PLUG, 1/2" PIPE (12.9550)					2				2			
	5103186	PLUG, 1/2" PIPE (12.9550)							2	1				
	444636	PLUG, 3/4" PIPE (12.9550)						2						
	5103185	PLUG, 1" PIPE (12.9550)					1				1			
	5148437	BOLT, 5/16"-18X1" (12.9001)					48		48	26	48			
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)						26						
	5148481	BOLT, 3/8"-16X1 3/8" (12.9001)	18											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1											
	186622	BOLT, 3/8"-16X1 1/4" (W/LW)(12.9001)	14											
	5104599	BOLT, 3/8"-16 X 1.13 W/SEAL PATCH	1											
	103320	LOCKWASHER, 5/16" (12.9200)						26						
	103321	LOCKWASHER, 3/8" (12.9200)	19											
		@ NOT SERVICED; USE PART NUMBER SHOWN.												
		4.7030 - GASKET, OIL PAN TO BLOCK												
8A	5109915	GASKET (CAST IRON)	1		1									
8A	5117231	GASKET										1	1	1
	5196533	GASKET SET		1		1								
	5126562	GASKET SET					1	1	1	1	1			
		4.7040 - GASKET, LOWER OIL PAN												
8A	5124796	GASKET	1											
8A	5125635	GASKET	1											
8A	5150115	GASKET					2	1	2	1	2			
8A	5150116	GASKET					2	2	2	1	2			

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 585	595	601	610	612	613	614	615	616	618	620	624
		4.7045 - BAFFLE, OIL PAN												
	5129787	BAFFLE					1		1		1			
	5129786	BAFFLE					1	1	1		1			
		4.7120 - COVER, OIL PAN												
	5188498	COVER (SIDE OF PAN)	2											
	5130673	COVER						1						
	510944	COVER								1				
	514254	PLUG, 3/4" PIPE (12.9550)								1				
	5178994	PLUG, 3/4" (MAGNETIC) (4.7080)											1	
	5139860	FLANGE											1	
	213546	BOLT, 1/4"-20X1" (12.9001)											2	
	189691	BOLT, 5/16"-18X3/4" (12.9001)						8		8				
	189697	BOLT, 5/16"-18X1" (12.9001)						14		14				
	180121	BOLT, 3/8"-16X7/8" (12.9001)	4											
	271616	BOLT, 3/4"-10X3 1/4" (12.9001)						2		2				
	5194069	WASHER, 1/4" COPPER (2.8050)											2	
	103321	LOCKWASHER, 3/8" (12.9200)	4											
	103326	LOCKWASHER, 3/4" (12.9200)						2		2				
		4.7130 - GASKET, OIL PAN COVER												
	5170049	GASKET	2											
	5139862	GASKET											1	
		4.7140 - SUMP, OIL PAN												
	5136154	PAN (4.7020)	1											
	443855	BOLT, 3/8"-16X1 3/8" (12.9001)	14											
		4.7150 - GASKET, OIL PAN SUMP												
	5124796	GASKET	1											

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 628	631	639	642	643	644	653	697	703	707	719
		4.7001 - PAN, OIL											
8A	**5145910**	PAN (STAMPED) (12V)			1								
8A	**5113718**	PAN (STAMPED) (12V)								1			
8A	**8921171**	PAN (STAMPED) (8V)									1		
8A	**5144775**	PAN (STAMPED) (8V)							1				
8A	**5143056**	PAN (STAMPED) (12V)										1	
8A	**8922322**	PAN (CAST ALUM.) (6V)											1
	5111798	PLUG, 1" PIPE (12.9550)							2		2		
	5121182	PLUG, 1/4" PIPE (12.9560)									1		2
	5178994	PLUG, 3/4" (12.9550)									1	1	
	5142549	PLUG, 3/4" (12.9550)									1		2
	5148480	BOLT, 3/8"-16X7/8" (W/LW) 12.9001)							28	34	28	34	
	179839	BOLT, 3/8"-16X1" (12.9001)							2		2	4	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											4
	5148482	BOLT, 3/8"-16X1 1/2" (W/LW) (12.9001)											20
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)											2
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)											2
	103341	WASHER, 3/8" (12.9190)			2				2		2		
	106263	WASHER, 7/16"X1"X.083 (12.9190)											4
	103321	LOCKWASHER, 3/8 (12.9200)							2		2	4	8
		4.7010 - PAN, OIL - UPPER											
	5147471	@ PAN (CAST IRON) (5147541) (16V)		1		1	1	1					
	5147541	PAN (CAST IRON) (16V)	1										
	5142549	PLUG, 3/4" PIPE (12.9550)	6	6		6	6	6					
	180120	BOLT, 3/8"-16X3/4" (12.9001)										2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2		2	2	2					
	5148482	BOLT, 3/8"-16X1 1/2" (W/LW)(12.9001)	28	28		28	28	28					
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	4	4		4	4	4					
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	2	4		2	4	4					
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	8	8		8	8	8					
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)	6	6		6	6	6					
	271616	BOLT, 3/4"-20X3 1/4" (12.9001)	2										
	103341	WASHER, 3/8" (12.9190)	AR	AR		AR	AR	AR					
	106263	WASHER, 7/16" FLAT (12.9190)	2	2		2	2	2					
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR	AR				AR	
	103326	LOCKWASHER, 3/4" (12.9200)	2										
		* FIG. 13D OF 1.0000.											
		@ NOT SERVICED, USE PART NUMBER SHOW N AND INCLUDE (1) 5125256 COVER,(1) 5142549 PLUG, (1) 5168176 GASKET,(2) 186622 BOLTS AND (2) 103321 LOCKWASH ERS											
		4.7020 - PAN, OIL - LOWER											
	5145777	PAN (FRONT) (16V)	1										
	5145069	* PAN (REAR) (4.7001) (16V)		1			1	1					
	5111898	PAN (16V)				1							
	5136705	@ PAN (REAR) (5147764) (16V)	1										
	5103186	PLUG, 1/2" PIPE (12.9550)	2	1			1	1					
	444636	PLUG, 3/4" PIPE (12.9550)				2							
	103870	PLUG, 1" PIPE (12.9550)	2										
	5148437	BOLT, 5/16"-18X1" (12.9001)	22	26			26	26					
	103320	LOCKWASHER, 5/16 (12.9200)				26							
		@ NOT SERVICED; USE PART NUMBER SHOWN.											
		* NOT SERVICED; USE PART NUMBER SHOWN PLUS (1) 103780 PLUG											

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 628	631	639	642	643	644	653	697	703	707	719
		4.7020 - PAN, OIL - LOWER (CONT'D)											
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)				26							
		4.7030 - GASKET, OIL PAN TO BLOCK											
	5141148	GASKET			1					1		1	
	5126562	GASKET SET	1			1	1	1					
	5117231	GASKET (STAMPED OIL PAN)							1		1		
	5196532	GASKET SET (CAST OIL PAN)											1
		4.7040 - GASKET, LOWER OIL PAN											
8A	5150115	GASKET	2										
8A	5150116	GASKET	2	2									
		4.7045 - BAFFLE, OIL PAN											
	5129787	BAFFLE	1										
	5129786	BAFFLE	1	1									
	5124324	BAFFLE			1								
	5124316	BAFFLE			1								
	8921986	BAFFLE										1	
	5124317	SEAL RING			1								
	5124318	PLATE, BAFFLE			1								
	5124315	BRACKET			1								
	5124319	REINFORCEMENT			2								
	186676	BOLT, 1/4"-20X5/8" (12.9001)			12								
	179796	BOLT, 1/4"-20X7/8" (12.9001)			2								
	179838	BOLT, 3/8"-16X7/8" (12.9001)			4							2	
	179839	BOLT, 3/8"-16X1" (12.9001)			4								
	5148480	SCREW & LOCKWASHER ASSY., 3/8"-16X7/8" (12.9001)			34								
	103341	WASHER, 3/8" (12.9190)										2	
	103319	LOCKWASHER, 1/4"			14								
	103321	LOCKWASHER, 3/8"			8							2	
	120375	NUT, 1/4"-20			14								
		4.7080 - PLUG, OIL PAN DRAIN											
	5178994	PLUG, PIPE 3/4 (12.9550)			1								
	5121182	PLUG, PIPE 1/4" (12.9550)								1			
	5111798	PLUG, 1" (12.9550)								2			
		4.7100 - TUBE ASSY., OIL DRAIN											
	5127056	* TUBE ASSY. (17.62" DEV. L.)											1
	142767	* BUSHING, 3/4"X3/8" RED. PIPE (12.9570)											1
	137425	* ELBOW, 1/2" INV. FL. 90 DEG. (12.9480)											1
		* MARINE MODELS ONLY.											
		4.7101 - CUP, OIL PAN DRAIN TUBE											
	5153473	CLIP (4.6040)											1
	5127058	CLIP (4.7112)											1
	181333	BOLT, 5/16"-24X5/8" (12.9001)											1
	103320	LOCKWASHER, 5/16" (12.9200)											1
	114493	NUT, 5/16-24 (12.9120)											1

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 628	631	639	642	643	644	653	697	703	707	719
		4.7103 - CAP ASSY., OIL PAN DRAIN TUBE											
	5127061	CAP ASSY.											1
		4.7120 - COVER, OIL PAN											
	5109443	COVER		1			1	1					
	5130673	COVER				1							
	5125256	COVER	1			1	1	1					
	5139860	FLANGE								1			
	5142549	PLUG, 3/4" PIPE (12.9550)	1	1		1	2	2		1			
	217910	BOLT, 3/8"-16X5/8" (12.9001)								2			
	186647	BOLT, 1/4"-20X1" (12.9001)								2			
	5194069	WASHER, 1/4" (12.9190)								2			

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 628	631	639	642	643	644	653	697	703	707	719
		4.7120 - COVER, OIL PAN (CONT'D)											
	5178994	PLUG, 3/4" (MAGNETIC) (4.7080)			1								
	5148436	BOLT, 5/16"-18X3/4" (12.9001)				8	8						
	5148437	BOLT, 5/16"-18X1" (W/LW)(12.9001)	22			14	14	22					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2			2	2	2					
	271616	BOLT, 3/4"-10X3 1/4" (12.9001)		2		2	2	2					
	103341	WASHER, 3/8" PLAIN (12.9190)				2							
	103321	LOCKWASHER, 3/8" (12.9200)	2										
	103326	LOCKWASHER, 3/4" (12.9200)		2		2	2	2					
		4.7130 - GASKET, OIL PAN COVER											
	5168176	GASKET (4.5007)	1			1	1	1					
	5150115	GASKET (4.7030)		1		1	1	1					
	5139862	GASKET								1			
	5144227	TUBE (4.8001)		1									
	5144252	TUBE (4.8001)		1									
	5177502	HOSE (28 1/2")(9.1730)		1									
	5137686	HOSE (32" L.) (4.3001		1									
	5186447	HOSE (20 1/2" L.)(9.1730)		2									
	218703	TEE, 1" STREET PIPE (9.9530)		2									
	108687	ELBOW, 1" 90 DEGREE STREET (9.1730)		3									
	5104152	BOLT, 1/4"-20X.75" W/SEAL PATCH (12.9001)		8									

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 202	203	213	214	215	216	221	223	225	226	227	231
		4.8001 - PIPE, BREATHER												
9A	5133541	TUBE (DEV. L. 11.30")												1
9A	5126271	* TUBE (DEV. L. 12.44") (5145583)									1			
9B	5137097	# @ TUBE (DEV. L. 12.46") (TO CYLINDER BLOCK)	1											
9B	5124767	PIPE (PRESSED IN CYLINDER BLOCK)	1											
9A	5124222	PIPE							1				1	
9B	5124767	& PIPE (3.42"L.) (IN CYLINDER BLOCK)	1											
9A	5123409	* PIPE (5"L.) (5145582)				1								
9A	5123038	* PIPE (8.88"L.) (5145584)					1							
9B	5197033	PIPE (9.34"L.) (IN CYLINDER BLOCK)		1									1	1
9A	5123913	* PIPE (14.24"L.) (5145583)						1						
9A	5124730	* ELBOW (5144828 TUBE)								1		1		
9A	180121	BOLT, 3/8"-16X7/8" (12.9001)								2		2		
9A	179839	BOLT, 3/8"-16X1" (12.9001)				2	2	2	2		2		2	2
9A	138242	# BOLT, 3/8"-16X1" HEX. SOC. HD. (12.9027)	2											
	103341	# WASHER, 3/8" FLAT (12.9190)	2											
9A	103321	# LOCKWASHER, 3/8" (12.9200)	2			2	2	2	2	2	2	2	2	2
		* NOT SERVICED; USE P/N SHOWN IN PARENTHESES AND INCLUDE 1-5144827 FLANGE AND 1-5117636 GASKET.												
		@ INCLUDE 1-5124767 PIPE.												
		# EFFECTIVE WITH 6VA-3536, TYPE 202.												
		& THRU 6VA-3535, TYPE 202.												
		4.8020 - GASKET, BREATHER PIPE												
9B	5121894	GASKET	1											
9A	5117636	GASKET				1	1	1	1	1	1	1	1	1
		4.8040 - CLIP, BREATHER												
9B	5184291	CLIP (1 19/32"L.-3/8" BOLT) (8.3820)		1									1	1
5B	5124733	CLIP (4.8180)								1		1		
9B	186618	BOLT, 5/16"-18X5/8" (12.9001)		1									1	
9B	113699	BOLT, 3/8"-24X1/2" (12.9001)												1
	103320	LOCKWASHER, 5/16" (12.9200)		AR									AR	
	103321	LOCKWASHER, 3/8" (12.9200)												AR
	120376	NUT, 5/16"-18 HEX. (12.9120)		1									1	
	117049	NUT, 3/8"-24 HEX. (12.9120)												1
		4.8042 - BRACKET, BREATHER TUBE CLIP												
	5173022	SUPPORT (5.5379)		1									1	
	5126583	+ SUPPORT (4.8040)												1
		+ OBSOLETE.												

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 202	203	213	214	215	216	221	223	225	226	227	231
		4.8050 - SEPARATOR, BREATHER OIL												
9A	5109976	BODY				1	1	1	1	1	1	1	1	1
9A	179839	BOLT, 3/8"-16X1" (12.9001)				1	3	3	3	3	1	3	1	1
9A	179850	BOLT, 3/8"-16X2 3/4" (12.9001)				1	2	2	2	2	1	2	1	1
9A	450517	BOLT, 3/8"-16X4 3/4" (12.9001)					1		1		1	1		
9A	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)				3		3			3		3	3
9A	192882	BOLT, 3/8"-24X6 1/4" (12.9001)				1					1		1	1
9A	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR	AR	AR	AR	AR	AR	AR	AR
9A	117049	NUT, 3/8"-24 HEX. (12.9120)				AR				AR	AR		AR	AR
		4.8055 - SHELL, BREATHER												
9A	5117524	* SHELL				1	1	1	1	1	1	1	1	1
9A	5117523	SPACER (9/16"X3 1/8"L.)				1	1	1	1	1	1	1	1	1
9A	186272	BOLT, 5/16"-18X4" (12.9001)				1	1	1	1	1	1	1	1	1
9A	120393	WASHER, 5/16"-FLAT (12.9190)				1	1	1	1	1	1	1	1	1
		* NOT SERVICED; REPLACE WITH 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.												
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR												
9A	5129604	PAD				1	1	1	1	1	1	1	1	1
		4.8070 - GASKET, BREATHER SEPARATOR												
9A	5104507	GASKET				1	1	1	1	1	1	1	1	1
		4.8170 - PIPE, BREATHER EXTENSION												
9B	5133540	+ PIPE (14.10" DEV. L.)												1
5B	5124732	PIPE (18.70" DEV. L.)										1		
5B	5124731	PIPE (19.60" DEV. L.)								1				
9B	5121766	PIPE (32.34" DEV. L.)		1									1	
		+ OBSOLETE.												
		4.8175 - HOSE, BREATHER EXTENSION PIPE												
9B	5121764	* HOSE (1 3/4"L.) (5120022)		1									1	1
5B	3222740	* HOSE (2 1/4"L.) (5163930)								2		2		
		* NOT SERVICED. REPLACE WITH PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE												
9B	2337379	CLAMP, 1 1/16"-2" DIA. (12.9660)		2						2		2	2	2

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 238	243	245	252	254	255	257	272	277	280	284	285
		4.8001 - PIPE, BREATHER												
9B	5108375	% TUBE (DEV. L. 12.74") (FRONT)											1	
9B	5100250	TUBE (DEV. L. 13.92") (REAR)											1	
9B	5137075	* TUBE (DEV. L. 25.20") (TO CYLINDER BLOCK)					1							
9B	5109558	TUBE (DEV. L. 26.46")				1								
9A	5137155	TUBE												1
	5144828	TUBE								1				
9B	5124767	PIPE (PRESSED IN CYLINDER BLOCK)					1					1		
9A	5124222	PIPE				1					1		1	
9B	5124767	@ PIPE (3.42"L) (IN CYLINDER BLOCK)											2	1
9B	5103478	PIPE (5.30"L) (TO CYLINDER BLOCK)										1		
9B	5197033	PIPE (9.34"L) (IN CYLINDER BLOCK)				1								
9A	5124730	& ELBOW (5144828 TUBE)	1	1	1				1					
	5125600	& FLANGE (PIPE) (1.50"L) (5146268 CONNECTOR)						1				1		
	5144734	FLANGE								1				
9A	180121	BOLT, 3/8"-16X7/8" (12.9001)	2	2					2					
9A	179839	BOLT, 3/8"-16X1" (12.9001)			2	2		2		2	2	2	2	2
9A	138242	# BOLT, 3/8"-16X1" HEX. SOC. HD. (12.9027)					2					2		
	103341	# WASHER, 3/8" FLAT (12.9190)					2					2		2
9A	103321	# LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		* INCLUDE 1-5124767 PIPE.												
		@ THRU 6VA-3535, TYPE 202.												
		& NOT SERVICED; USE P/N SHOWN IN PARENTHESES AND INCLUDE 1-5144827 FLANGE AND 1-5117636 GASKET.												
		# EFFECTIVE WITH 6VA-3536, TYPE 202.												
		% OBSOLETE.												
		4.8020 - GASKET, BREATHER PIPE												
9B	5121894	GASKET					1					2	2	1
9A	5117636	GASKET	1	1	1	1		1	1	1	1	1		1
		4.8040 - CLIP, BREATHER												
9B	5184291	CLIP (1 19/32"L.-3/8" BOLT) (8.3820)				1	1					1		1
5B	5179368	CLIP (4.8180)		1										
5B	5124733	CLIP (4.8180)										1		
5B	5183246	CLIP (8.3821)						2						
	5173085	SPACER (7/16"I.D.X7/8") (7.4005)										1		
	5126358	BRACKET (7.1582)										1		
9B	186618	BOLT, 5/16"-18X5/8" (12.9001)										1		
	181360	BOLT, 3/8"-24X3/4" (12.9001)						2						
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)					1							1
	109857	BOLT, 7/16"-20X1 7/8" (12.9001)										1		
	103341	WASHER, 3/8" FLAT (12.9190)						2						

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 238	243	245	252	254	255	257	272	277	280	284	285
		4.8040 - CLIP, BREATHER (CONT'D)												
	103320	LOCKWASHER, 5/16" (12.9200)										AR		
	103321	LOCKWASHER, 3/8" (12.9200)					AR	AR						AR
	120376	NUT, 5/16"-18 HEX. (12.9120)										1		
	117049	NUT, 3/8"-24 HEX. (12.9120)						2				1		
		4.8042 - BRACKET, BREATHER TUBE CLIP												
	5173022	SUPPORT (5.5379)						2						
		4.8050 - SEPARATOR, BREATHER OIL												
9A	5109976	BODY	1	1	1			1	1	1	2			
9A	5135497	BODY				1			1					1
9A	5109976	* BODY										1		
	5114861	@ SPACER							1					
9A	179839	BOLT, 3/8"-16X1" (12.9001)	3	3	1			3	3	3	4	1		
9A	454906	BOLT, 3/8"-16X1 1/2" (12.9001)				3			3					3
9A	179850	BOLT, 3/8"-16X2 3/4" (12.9001)	2	2	1			2	2	2	3	1		
9A	186282	BOLT, 3/8"-16X3 1/4" (12.9001)				2			2					2
9A	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	1							1	1			
9A	192883	BOLT, 3/8"-16X5 1/4" (12.9001)				1			1					1
9A	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)			3						3	3		
9A	192882	BOLT, 3/8"-24X6 1/4" (12.9001)			1						1	1		
9A	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR			AR	AR	AR	AR		AR
\	117049	NUT, 3/8"-24 HEX. (12.9120)			AR						AR	AR		
		@ THRU 8VA-25254 WITH BODY 5109976 IN TYPE 257.												
		4.8055 - SHELL, BREATHER												
9A	5117524	* SHELL	1	1	1			1		1	2			
9A	5129603	SHELL				1			1					1
9A	5117524	* SHELL										1		
9A	5117523	SPACER (9/16"X3 1/8"L)	1	1	1	1		1	1	1	2	1		1
9A	186272	BOLT, 5/16"-18X4" (12.9001)	1	1	1	1		1	1	1	2			1
9A	186272	BOLT, 5/16"-18X4" (12.9001)										1		
9A	120393	WASHER, 5/16" FLAT (12.9190)	1	1	1	1		1	1	1	2	1		1
		* NOT SERVICED; REPLACE WITH 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.												
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR												
9A	5129604	PAD	1	1	1	1		1	1	1	2	1		1

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 238	243	245	252	254	255	257	272	277	280	284	285
		4.8070 - GASKET, BREATHER SEPARATOR												
9A	5104507	GASKET	1	1	1	1		1	1	1	2	1		1
		4.8170 - PIPE, BREATHER EXTENSION												
5B	5124731	PIPE (19.60" DEV. L.)		1										
5B	5125619	PIPE (27.80" DEV. L.)						1						
9B	5100252	PIPE (33.90" DEV. L.)										1		
5B	5100251	PIPE (34.16" DEV. L.)										1		
		4.8175 - HOSE, BREATHER EXTENSION PIPE												
9B	5121764	* HOSE (1 3/4"L.) (5120022)				1								
5B	3222740	* HOSE (2 1/4"L.) (5163930)		2				1				1		
5B	5160683	* HOSE (3 3/4"L.) (3.5505) (5163930)						1						
5B	5151906	* HOSE (2 1/4"L.) (5120022)										1		
		* NOT SERVICED. REPLACE WITH PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE												
9B	2337379	CLAMP, 1 1/16"-2" DIA. (12.9660)		2				2						
9B	272859	CLAMP, 1 5/8" DIA. (12.9660)				2						2		
		4.8183 - BRACKET, BREATHER EXTENSION PIPE												
	5188969	BRACKET, TUBE CLIP (4.1540)		1										
	5173022	SUPPORT, CLIP (5.5379)				1								
	181333	BOLT, 5/16"-24X5/8" (12.9001)		1		1								
	103320	LOCKWASHER, 5/16" (12.9200)		AR		AR								
	114493	NUT, 5/16"-24 HEX. (12.9120)		1		1								

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 288	289	291	292	293	294	297	298	300	301	305	306
		4.8001 - PIPE, BREATHER												
9B	5197033	PIPE (IN CYLINDER BLOCK) (9.34"L.)		1	1		1					1	1	1
9A	5124222	PIPE (11.78" DEV. L.)				1		1					1	
9B	5197231	PIPE (IN CYLINDER BLOCK)									1			
	5124767	PIPE (PRESSED IN CYLINDER BLOCK)	1											
9A	5109196 #	TUBE (RC ENGINE)							1					
9A	5109195 #	TUBE (LC ENGINE)								1				
9B	5137096 *	TUBE (DEV. L. 12.46") (TO CYLINDER BLOCK)	1											
9A	5124730 @	ELBOW (REAR) (5144828 TUBE)						1						1
	5150014	PLUG (IN CYLINDER BLOCK) (1.1001)				1		2						
9A	180121	BOLT, 3/8"-16X7/8" (12.9001)							2	2				2
9A	179839	BOLT, 3/8"-16X1" (12.9001)				2		4					2	
	138242	BOLT, 3/8"-16X1" HEX. SKT. HD. (12.9027)	2											
	103341	WASHER, 3/8" FLAT (12.9190)	2											
9A	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR		AR	AR	AR			AR	AR
		* INCLUDE 1-5124767 PIPE.												
		@ NOT SERVICED; REPLACE WITH P/N SHOWN IN PARENTHESES AND INCLUDE 1-5144827 FLANGE AND 1-5117636 GASKET.												
		# OBSOLETE.												
		4.8020 - GASKET, BREATHER PIPE												
9A	5117636	GASKET				1		2	1	1			1	1
9	5121894	GASKET	1											
		4.8040 - CLIP, BREATHER												
9B	5184291	CLIP (1 19/32"L.-3/8" BOLT) (8.3820)		1	1						1	1	1	1
5B	5158779	CLIP (5.5376)							1	1				
5B	5124733	CLIP (4.8180)												1
	5155464	BRACKET (7.1582)									1			
	5160425	SPACER (2.3267)			1								1	1
	186618	BOLT, 5/16"-18X5/8" (12.9001)										1		
	179816	BOLT, 5/16"-18X3/4" (12.9001)							1	1				
	181433	BOLT, 5/16"-24X5/8" (12.9001)									1			
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)			1								1	1
	103320	LOCKWASHER, 5/16" (12.9200)							AR	AR	AR	AR		
	120376	NUT, 5/16"-18 HEX. (12.9120)							AR	AR	AR	AR		
		4.8042 - BRACKET, BREATHER TUBE CLIP												
	5173022	SUPPORT (5.5379)										1		

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 288	289	291	292	293	294	297	298	300	301	305	306
		4.8050 - SEPARATOR, BREATHER OIL												
9A	5109976	BODY				1		2	1	1			1	1
9A	179839	BOLT, 3/8"-16X1" (12.9001)				2		4	3	1			3	3
9A	179850	BOLT, 3/8"-16X2 3/4" (12.9001)				1		3	2	1			2	2
9A	450517	BOLT, 3/8"-16X4 3/4" (12.9001)						1	1				1	1
9A	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)				2		3		3				
9A	192882	BOLT, 3/8"-24X6 1/4" (12.9001)				2		1		1				
	103321	LOCKWASHER, 3/8" (12.9200)				AR		AR	AR	AR			AR	AR
	117049	NUT, 3/8"-24 HEX. (12.9120)				4		3		4				
		4.8055 - SHELL, BREATHER												
9A	5117524	* SHELL				1		2	1	1			1	1
9A	5117523	SPACER (9/16"X3 1/8"L.)				1		2	1	1			1	1
9A	186272	BOLT, 5/16"-18X4" (12.9001)				1		2	1	1			1	1
9A	120393	WASHER, 5/16" FLAT (12.9190)				1		2	1	1			1	1
		* NOT SERVICED; REPLACE WITH 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.												
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR												
9A	5129604	PAD				1		2	1	1			1	1
		4.8070 - GASKET, BREATHER SEPARATOR												
A	5104507	GASKET				1		2	1.	1			1	1
		4.8170 - PIPE, BREATHER EXTENSION												
5B	5124732	PIPE (18.70" DEV. L.)												1
9B	5108244	PIPE (29.62" DEV. L.)			1								1	1
9B	5109309	PIPE (32.34" DEV. L.)		1										
9B	5134612	PIPE (39.66" DEV. L.)					1					1		
		4.8175 - HOSE, BREATHER EXTENSION PIPE												
9B	5121764	* HOSE (1 3/4"L.) (5120022)		1	1		1				1	1	1	1
9B	3222740	* HOSE (2.26"L.) (5163930)												1
		* NOT SERVICED. REPLACE WITH PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE												
9B	272859	CLAMP, 1 5/8" DIA. (12.9660)												2
9B	2337379	CLAMP, 1 1/2" DIA. (12.9660)		2	2		2				2	2	2	4

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 288	289	291	292	293	294	297	298	300	301	305	306
		4.8183 - BRACKET, BREATHER EXT. PIPE												
	5173022	SUPPORT, CLIP (5.5379)		1										
	5183472	CLIP, TUBE (9.1720)					1					1	1	
	181433	BOLT, 5/16"-24X5/8" (12.9001)		1										
	271562	BOLT, 5/8"-11X2" (12.9001)					1					1	1	
	103345	WASHER, 5/16" FLAT (12.9190)					1					1	1	
	103320	LOCKWASHER, 5/16" (12.9200)		1										
	114493	NUT, 5/16"-24 HEX. (12.9120)		1										

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 307	309	310	311	312	316	317	318	323	326	328	330
		4.8001 - PIPE, BREATHER												
	NPN	PIPE									1			
9B	5197033	PIPE (IN CYLINDER BLOCK) (9.34"L.)	1			1	1			1				
9A	5124222	PIPE (11.78" DEV. L.)		1							1			
9B	5197231	PIPE (IN CYLINDER BLOCK)			1				1					
9B	5124767	PIPE (IN CYLINDER BLOCK, FRONT) (3.42"L.)					1							
9B	5130619	PIPE, FRONT					1							
9B	5130724	PIPE						1						
9B	5137075 *	TUBE (DEV. L. 25.20") (TO CYLINDER BLOCK)		1										1
	5144828	*TUBE*				1							1	1
	5144734	FLANGE				1							1	1
9A	5124730 @	ELBOW (REAR) (5144828 TUBE)	1							1				
	186625	BOLT, 5/16"-18X7/8" (12.9001)						2						
9A	180121	BOLT, 3/8"-16X7/8" (12.9001)	2											
	179839	BOLT, 3/8"-16X1"		2		2	4			2	2		2	2
	138242	BOLT, 3/8"-16X1" HEX. SKT. HD. (12.9027)		2							2			2
	103341	WASHER, 3/8" FLAT (12.9190)		2			2				2			2
	103320	LOCKWASHER, 5/16" (12.9200)						2						
9A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR			AR	AR		AR	AR
		* INCLUDE 1-5124767 PIPE.												
		@ NOT SERVICED; REPLACE WITH P/N SHOWN IN PARENTHESES AND INCLUDE 1-5144827 FLANGE AND 1-5117636 GASKET.												
		4.8020 - GASKET, BREATHER PIPE												
9A	5117636	GASKET	1	1		1				1	1		1	1
9B	5121894	GASKET		1			1				1	1		1
9C	5163299	GASKET						1						
		4.8040 - CLIP, BREATHER												
9B	5184291	CLIP (1 19/32"L.-3/8" BOLT) (8.3820)	1	1	1	1	3		1	1	1		1	1
5B	5124733	CLIP (4.8180)	1											
	5155464	BRACKET (7.1582)			1									
	3292080	BRACKET (7.4076)					1							
	5188969	BRACKET (4.1540)					1							
	5132472	BRACKET (9.1597)					1							
	5173022	BRACKET (5.5379)							1					
	5160425	SPACER (2.3267)	1			1			1		1		1	
	5160629	SPACER, 13/32"X7/32" (4.2270)					1							
	123435	BOLT, 1/4"-28X5/8" (12.9001)					1							
	186618	BOLT, 5/16"-18X5/8" (12.9001)							1					
	181433	BOLT, 5/16"-24X5/8" (12.9001)			1									

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 307	309	310	311	312	316	317	318	323	326	328	330
		4.8040 - CLIP, BREATHER (CONT'D)												-
	181596	BOLT, 5/16"-24X7/8" (12.9001)			1									
	181360	BOLT, 3/8"-24X3/4" (12.9001)					2							
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)		1			1							1
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)	1			1				1	1		1	
	191637	BOLT, 3/8"-24X5 3/4" (12.9001)							1					
	120392	WASHER, 1/4" FLAT (12.9190)					1							
	120380	LOCKWASHER, 1/4" (12.9200)					1							
	103320	LOCKWASHER, 5/16" (12.9200)			AR				AR					
	103321	LOCKWASHER, 3/8" (12.9200)					2							
	121902	NUT, 1/4"-28 HEX. (12.9120)					1							
	120376	NUT, 5/16"-18 HEX. (12.9120)			AR				AR					
	117049	NUT, 3/8"-24 HEX. (12.9120)					2							
		4.8050 - SEPARATOR, BREATHER OIL												
9A	5109976	BODY	1	1		1				1	1		1	1
	5135497	BODY											1	
	5162843 ?	BODY ASSY.										1		
9C	5163908 @	SEPARATOR ASSY.						1						
9C	5114861 #	SPACER											1	
9A	179839	BOLT, 3/8"-16X1" (12.9001)	3	3		3				1	3			3
9A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										2		
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)											3	
9A	179850	BOLT, 3/8"-16X2 3/4" (12.9001)	2	2		2				1	2			2
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)											2	
A	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	1	1		1					1			1
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)											1	
	272547	BOLT, 3/8"-16X6 1/2" (12.9001)												1
9A	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)								2				
9A	192882	BOLT, 3/8"-24X6 1/4" (12.9001)								1				
9C	179858	BOLT, 7/16"-14X1" (12.9001)						1						
9C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)						4						
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR				AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 HEX. (12.9120)								4				
		@ INCLUDES FILTER UNIT IN 4.8060.												
		# THRU 8VA-25254 WITH BODY 5109976 IN TYPE 328.												
		? OBSOLETE.												
		4.8055 - SHELL, BREATHER												
9A	5117524 *	SHELL	1	1		1				1	1			1
9A	5129603	SHELL											1	
9A	5117523	SPACER (9/16"X3 1/8"L.)	1	1		1				1	1		1	1
9A	186272	BOLT, 5/16"-18X4" (12.9001)	1	1		1				1	1		1	1
9A	120393	WASHER, 5/16" FLAT (12.9190)	1	1		1				1	1		1	1

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 307	309	310	311	312	316	317	318	323	326	328	330
		4.8055 - SHELL, BREATHER (CONT'D)												
		* NOT SERVICED; REPLACE WITH 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.												
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR												
9C	**5190344**	FILTER UNIT (INCLUDES UPPER & LOWER PADS)						1						
9A	**5129604**	* PAD	1	1		1				1			1	1
		* NOT SERVICED, USE (1) 5163918 AND (1) 5163919												
		4.8070 - GASKET, BREATHER SEPARATOR												
9A	**5104507**	GASKET	1	1		1				1	1		2	1
9C	**5163910**	GASKET (SCREEN)						1						
		4.8120 - TUBE, CYLINDER HEAD AIR INLET												
	5162845	@ TUBE ASSY. (RIGHT BANK ROCKER COVER)										1		
	5162842	@ TUBE ASSY. (LEFT BANK ROCKER COVER)										1		
	5180273	GASKET										2		
	186676	BOLT, 1/4"-20X5/8" (12.9001)										2		
	179803	BOLT, 1/4"-20X1 3/4" (12.9001)										2		
	120380	LOCKWASHER, 1/4" (12.9200)										4		
		@ OBSOLETE.												
		4.8170 - PIPE, BREATHER EXTENSION												
9B	**5108264**	PIPE (19.00" DEV. L.)			1									
5B	**5124731**	PIPE (19.60" DEV. L.)	1											
9B	**5108244**	PIPE (29.62" DEV. L.)	1			1	1		1	1			1	
9B	**5130617**	* PIPE, REAR (40.50" DEV. L.)					1							
		* OBSOLETE.												
		4.8175 - HOSE, BREATHER EXTENSION PIPE												
	5113434	HOSE (90 DEG. ELBOW)			1									
9B	**5124355**	HOSE (.80"L.)										2		
9B	**5121764**	* HOSE (1 3/4"L.) (5120022)	1		1	1	2		1	1			1	
9B	**3222740**	* HOSE (2.26"L.) (5163930)	1											
		* NOT SERVICED. REPLACE WITH PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												

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4.8000A VENTILATING SYSTEM

4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 307	309	310	311	312	316	317	318	323	326	328	330
9B	**5104592**	CLAMP, 1 1/2" DIA. (12.9660)										2		
9B	**272859**	CLAMP, 1 5/8" DIA. (12.9660)					4							
9B	**2337379**	CLAMP, 1 1/2" DIA. (12.9660)	4		2	2			2	2			2	

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 333	334	339	340	341	346	348	349	350	352	354	356
		4.8001 - PIPE, BREATHER												
9B	**5137096**	* PIPE (DEV. L. 13.40") (TO CYLINDER HEAD)	1	1										
9B	**5124767**	PIPE (PRESSED IN CYLINDER BLOCK)	1	1	1						1			
9B	**5137155**	PIPE (DEV. L. 25.32") (TO CYLINDER BLOCK)			1									
9B	**5197033**	PIPE (9.34"L.) (IN CYLINDER BLOCK)				1		1	1	1	1	1	1	1
9A	**5130724**	PIPE						1						
9B	**5103478**	PIPE (9.26"L.) (IN CYLINDER BLOCK, FRONT)									1			
9A	**5124730**	@ ELBOW (REAR) (5144828 TUBE)	1											
	5144828	TUBE		1	1					1		1		1
	5144827	FLANGE		1						1				
	5144734	FLANGE			1							1		1
	186625	BOLT, 5/16"-18X7/8" (12.9001)						2						
	180121	BOLT, 3/8"-16X7/8" (12.9001)	2									2		2
	179839	BOLT, 3/8"-16X1" (12.9001)		2	2					2	2			
	138242	BOLT, 3/8"-16X1" HEX. SKT. HD. (12.9027)	2	2	2									
	103341	WASHER, 3/8" FLAT (12.9190)	1	1	1						1			
	103320	LOCKWASHER, 5/16" (12.9200)						AR						
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR					AR	AR	AR		AR
		* INCLUDE 1-5124767 PIPE.												
		@ NOT SERVICED; REPLACE WITH P/N SHOWN IN PARENTHESES AND INCLUDE 1-5144827 FLANGE AND 1-5117636 GASKET.												
		4.8020 - GASKET, BREATHER PIPE												
9B	**5121894**	GASKET	1	1	1						1			
9A	**5117636**	GASKET	1	1	1					1				
9C	**5163299**	GASKET						1						
9A	**5132331**	GASKET										1		1
		4.8040 - CLIP, BREATHER												
9B	**5184291**	CLIP (1 19/32"L.-3/8" BOLT) (8.3820)			1	1		1		1				
	5160425	SPACER (2.3267)						1		1				
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)			1									
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)						1		1				
	103321	LOCKWASHER, 3/8" (12.9200)			1	1		1		1				
		4.8045 - BREATHER ASSY.												
	5110384	* BREATHER ASSY.					1							
		* SEE ASSEMBLY BREAKDOWN PAGE A1.												

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 333	334	339	340	341	346	348	349	350	352	354	356
		4.8050 - SEPARATOR, BREATHER OIL												
9A	5109976	BODY	1	1	1					1				
	5132416	* BODY										1		1
9C	5163908	@ SEPARATOR ASSY.						1						
9A	179839	BOLT, 3/8"-16X1" (12.9001)	3	3	3					3		3		3
9A	179850	BOLT, 3/8"-16X2 3/4" (12.9001)	2	2	2					2		2		2
9A	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	1	1	1					1		1		1
9C	179858	BOLT, 7/16"-14X1" (12.9001)						1						
9C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)						4						
	103321	LOCKWASHER, 3/8" (12.9200)	6	6	6					6		6		6
	103322	LOCKWASHER, 7/16" (12.9200)						1						
	103323	LOCKWASHER, 1/2" (12.9200)						4						
		* NOT SERVICED; REPLACE WITH 1-5145592 BODY, 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.												
		@ INCLUDES FILTER UNIT IN 4.8060.												
		4.8055 - SHELL, BREATHER												
9A	5117524	* SHELL	1	1	1					1		1		1
9A	5117523	SPACER	1	1	1					1		1		1
9A	186272	BOLT, 5/16"-18X4" (12.9001)	1	1	1					1		1		1
9A	120393	WASHER, 5/16" FLAT (12.9190)	1	1	1					1		1		1
		* NOT SERVICED. REPLACE WITH 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507, GASKETS.												
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR												
9C	5190344	* FILTER UNIT (INCLUDES UPPER & LOWER PADS)						1						
		* NOT SERVICED, USE (1) 5163918 AND (1) 5163919												
9A	5129604	PAD	1	1	1					1		1		1
		4.8070 - GASKET, BREATHER BODY												
9A	5104507	GASKET	1	1	1					1		1		1
9C	5163910	GASKET (SCREEN)						1						
		4.8120 - TUBE, CYLINDER HEAD AIR INLET												
	5130514	ELBOW				1			1			1		
	5123812	GASKET (1.2060)				1			1			1		
	186676	BOLT, 1/4"-20X5/8" (12.9001)				2			2			2		

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 333	334	339	340	341	346	348	349	350	352	354	356
		4.8120 - TUBE, CYLINDER HEAD AIR INLET *(CONT'D)*												
	120380	LOCKWASHER, 1/4" (12.9200)				2			2			2		
		4.8170 - PIPE, BREATHER EXTENSION												
9B	**5133241**	TUBE (DEV. L. 22.50") (4.8001)											1	
9B	**5131966**	TUBE (DEV. L. 29.50")									1			
9B	**5108244**	TUBE (DEV. L. 29.62")						1		1	1	1		1
9B	**5129487**	TUBE (DEV. L. 32.41")				1								
		4.8175 - HOSE, BREATHER EXTENSION PIPE												
9B	**5121764** *	HOSE (1 3/4"L.) (5120022)				2					2		2	
9B	**5121764** *	HOSE (1 3/4"L.) (5120022)						1	1	1		1		1
		* NOT SERVICED. REPLACE WITH PART NUMBER SHOWN AND CUT TO DESIRED *LENGTH.*												
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE												
9B	**272859**	CLAMP (1 5/8"I.D.) (12.9660)				4		2	2	2	4	2	4	2
		4.8183 - BRACKET, BREATHER EXTENSION PIPE												
	5176400	SUPPORT, CLIP (4.8010)									2			
	5179635	SUPPORT, CLIP (2.4001)									1			
	5184291	CLIP, 1 19/32"L. (8.3820)									3	1	1	1
	5160425	SPACER (13/32"X23/32") (2.3267)										1		1
	123435	BOLT, 1/4"-28X5/8" (12.9001)									2			
	181595	BOLT, 5/16"-24X3/4" (12.9001)									1			
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)										1		1
	120392	WASHER, 1/4" FLAT (12.9190)									1			
	120393	WASHER, 5/16" FLAT (12.9190)									1			
	120380	LOCKWASHER, 1/4" (12.9200)									2			
	103320	LOCKWASHER, 5/16" (12.9200)									1			
	103321	LOCKWASHER, 3/8" (12.9200)										1		1
	121902	NUT, 1/4"-28 HEX. (12.9120)									2			
	114493	NUT, 5/16"-24 HEX. (12.9120)									1			

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 358	359	360	361	362	364	366	370	373	374	375
		4.8001 - PIPE, BREATHER											
9B	5137096	@ PIPE (DEV. L. 13.40") (TO CYLINDER HEAD)				1	1			1			
9B	5124767	PIPE (PRESSED IN CYLINDER BLOCK)				1	1			1	1		1
9B	5197033	PIPE (9.34"L.) (IN CYLINDER BLOCK)							1			1	
9A	5126271	* PIPE (12.44"L.) (5145583)		1									
9A	5132507	# PIPE			1								
9B	5197033	PIPE (9.34"L.) (IN CYLINDER BLOCK)						2					
9B	5137075	@ PIPE (DEV. L. 25.20") (TO CYLINDER BLOCK)									1		
9A	5136223	PIPE (1 1/4"X31.80"L.)										1	
9B	5137098	@ PIPE (DEV. L. 13.24") (TO CYLINDER BLOCK)											1
	5144828	TUBE				1	1		1	1	1	1	
	5144734	FLANGE				1	1		1	1	1	1	
	5150014	PLUG (IN CYLINDER BLOCK) (1.1001)		1	1								
	180121	BOLT, 3/8"-16X7/8" (12.9001)				2	2		2	2	2		
	179839	BOLT, 3/8"-16X1" (12.9001)		2	2	2	2				2		2
	138242	BOLT, 3/8"-16X1" HEX. SKT. HD. (12.9027)								2			
	103341	WASHER, 3/8" FLAT (12.9190)				1	1			1	1		1
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR		AR	AR	AR	AR	AR
		* NOT SERVICED; REPLACE WITH P/N SHOWN IN PARENTHESES AND INCLUDE 1-5144827 FLANGE AND 1-5117636 GASKET.											
		@ INCLUDE 1-5124767 PIPE.											
		# OBSOLETE											
		4.8020 - GASKET, BREATHER PIPE											
3	5121894	GASKET				1	1			1	1		1
9A	5117636	GASKET		1	1								
9A	5132331	GASKET				1	1		1	1	1	1	
		4.8040 - CLIP, BREATHER											
9B	5184291	CLIP (1 19/32"L.-3/8" BOLT) (8.3820)						2	1		1		
	5183952	BRACKET, CLIP (7.1595)						1					
	5160425	SPACER (2.3267)							1				
	5164294	SPACER (7.1581)						1					
	123435	BOLT, 1/4"-28X5/8" (12.9001)						1					
	186618	BOLT, 5/16"-18X5/8" (12.9001)										1	
	9409079	BOLT, 3/8"-16X7/8" (12.9001)						1					
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)									1		
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)							1				
	5131433	WASHER (1.5001)						1					
	120392	WASHER, 1/4" FLAT (12.9190)						1					

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 358	359	360	361	362	364	366	370	373	374	375
		4.8040 - CLIP, BREATHER (CONT'D)											
	120380	LOCKWASHER, 1/4" (12.9200)						1					
	103320	LOCKWASHER, 5/16" (12.9200)										1	
	103321	LOCKWASHER, 3/8" (12.9200)							1				
	121902	NUT, 1/4"-28 HEX. (12.9120)						1					
	120376	NUT, 5/16"-18 HEX. (12.9120)										1	
		4.8042 - BRACKET, BREATHER TUBE CLIP											
	5173022	SUPPORT (5.5379)										1	
		4.8050 - SEPARATOR, BREATHER OIL											
9A	5109976	* BODY		1	1								
	5132416	* BODY				1	1		1	1	1	1	
9A	179839	BOLT, 3/8"-16 X 1" (12.9001)		1	3	3	3		3		3	3	
9A	179850	BOLT, 3/8"-16X2 3/4" (12.9001)		1	2	2	2		2		2	2	
9A	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			1	1	1		1		1	1	
9A	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)		3									
9A	192882	BOLT, 3/8"-24X6 1/4" (12.9001)		1									
	103321	LOCKWASHER, 3/8" (12.9200)		6	6	6	6		6		6	6	
	117049	NUT, 3/8"-24 HEX. (12.9120)		4									
		* NOT SERVICED; REPLACE WITH 1-5145592 BODY, 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.											
		4.8055 - SHELL, BREATHER											
9A	5117524	* SHELL		1	1	1	1		1	1	1	1	
	2443795	COVER	1										
9A	5117523	SPACER		1	1	1	1		1	1	1	1	
	5104265	CLAMP, COVER	1										
9A	186272	BOLT, 5/16"-18X4" (12.9001)		1	1	1	1		1	1	1	1	
9A	120393	WASHER, 5/16" FLAT (12.9190)		1	1	1	1		1	1	1	1	
		* NOT SERVICED. REPLACE WITH 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.											
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR											
9A	5129604	PAD		1	1	1	1		1	1	1	1	
	5131951	RETAINER, SCREEN	2										
	5101760	ELEMENT, BREATHER (4")	1										

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 358	359	360	361	362	364	366	370	373	374	375
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR (CONT'D)											
	5132042	SCREEN	2										
		4.8070 - GASKET, BREATHER BODY											
9A	**5104507**	GASKET		1	1	1	1		1		1	1	
9D	**5144038**	GASKET	1										
		4.8120 - TUBE, CYLINDER HEAD AIR INLET											
	5130514	ELBOW						1					
	5133200	ELBOW						1					
	5123812	GASKET (1.2060)						1					
	186676	BOLT, 1/4"-20X5/8" (12.9001)						2					
	120380	LOCKWASHER, 1/4" (12.9200)						2					
		4.8170 - PIPE, BREATHER EXTENSION											
9B	**5132911**	TUBE (DEV. L. 27.70")						1					
9B	**5108244**	TUBE (DEV. L. 29.62")							1				
9B	**5133201**	TUBE (DEV. L. 30.42")						1					
		4.8175 - HOSE, BREATHER EXTENSION PIPE											
8	**5121764**	* HOSE (1 3/4"L.) (5120022)						4	1		1	1	
9B	**3290750**	* HOSE (2.26"L.) (5120022)						1					
		* NOT SERVICED. REPLACE WITH PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.											
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE											
9B	**272859**	CLAMP (1 5/8"I.D.) (12.9660)						4	2		2	2	
9B	**2337379**	CLAMP (1 1/16"-2"I.D.) (12.9660)						6					
		4.8183 - BRACKET, BREATHER EXTENSION PIPE											
	5142270	CLIP, SPL.						1					
	5184291	CLIP, 1 19/32"L. (8.3820)									1	1	

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 382	385	386	388	390	392	393	395	396	398	399	401
		4.8001 - PIPE, BREATHER												
9B	**5124767**	PIPE (PRESSED IN CYLINDER BLOCK)		1	1				1	1				1
9B	**5137098**	* PIPE (DEV. L. 13.24" TO CYLINDER BLOCK)			1					1				1
9A	**5134639**	@ PIPE				1								
9A	**5130897**	PIPE					1	1						
9B	**5103478**	PIPE (5.30" L. TO CYLINDER BLOCK, FRONT)							1					
	5135270	PIPE								1			1	
	5133201	PIPE (TO LEFT REAR ROCKER COVER)								1			1	
	5132911	PIPE (TO RIGHT FRONT ROCKER COVER)								1			1	
	5144828	TUBE (12.06"L.)	1		1	1								
	5124767	TUBE (DEV. L. 3.42" TO CYLINDER BLOCK)											1	
9B	**5197033**	TUBE (9.34"L. TO CYLINDER BLOCK)				1	1	1			1	1	1	
9B	**5137096**	* TUBE (DEV. L. 13.40" TO CYLINDER BLOCK)		1					1					
	5134847	? TUBE ASSY. (DEV. L. 22.38")						1						
	5121764	# HOSE (1 3/4"L.) (5120022) (4.8175)						1					2	
	3290750	# HOSE (3.26"L.) (5120022) (5.3290)											1	
	5133966	TUBE (DEV.L. 29.32") (ROCKER COVER)											1	
	272859	CLAMP, HOSE (1 5/8" DIA.) (12.9660)						2						
	2337379	CLAMP, HOSE (12.9660)											8	
9A	**5124730**	& ELBOW (REAR) (5144828 TUBE)		1										
	5144734	FLANGE	1		1									
	5144827	FLANGE				1								
	5150014	PLUG (IN CYLINDER BLOCK) (1.1001)	1											
	186676	BOLT, 1/4"-20X5/8" (12.9001)						2						
	180121	BOLT, 3/8"-16X7/8" (12.9001)	2	2	2	2				2	2			2
	179839	BOLT, 3/8"-16X1" (12.9001)		2	2			2	2	2		2	2	
	138242	BOLT, 3/8"-16X1" HEX. SKT. HD. (12.9027)												2
	103341	WASHER, 3/8" FLAT (12.9190)		AR	AR				AR	AR		AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR		AR	AR			AR	AR	AR
		* INCLUDES 1-5124767 PIPE.												
		@ NOT SERVICED; USE 5144828 AND INCLUDE 1-5144734 FLANGE.												
		# NOT SERVICED. USE P/N SHOWN AND CUT TO DESIRED LENGTH.												
		& NOT SERVICED; REPLACE WITH P/N SHOWN IN PARENTHESES AND INCLUDE 1-5144827 FLANGE AND 1-5117636 GASKET.												
		? OBSOLETE.												
		4.8020 - GASKET, BREATHER PIPE												
9A	**5132331**	GASKET	1		1	1				1				1
9A	**5117636**	GASKET		1				1		1				
9B	**5121894**	GASKET		1	1				1	1		1	1	1

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 382	385	386	388	390	392	393	395	396	398	399	401
		4.8040 - CLIP, BREATHER												
	5183472	CLIP (1 1/4"L.)											1	
9B	5184291	CLIP (1 19/32"L.-3/8" BOLT) (8.3820)										2	2	
	5132472	BRACKET, CLIP										1		
	5183952	BRACKET											2	
	123435	BOLT, 1/4"-28X5/8" CAD. (12.9001)										2	1	
	120392	WASHER, 1/4" FLAT (12.9120)										AR	AR	
	103319	LOCKWASHER, 1/4" (12.9200)										AR	AR	
	121902	NUT, 1/4"-28 HEX. (12.9120)										2	2	
		4.8045 - BREATHER ASSY.												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5162695	# BREATHER ASSY.						1						
		# NOT SERVICED; USE COMPONENTS.												
		4.8050 - SEPARATOR, BREATHER OIL												
	5135690	* BODY	1		1	1			1	1				1
9A	5109976	BODY		1										
	5114861	SPACER							1	1				1
9A	179839	BOLT, 3/8"-16X1" (12.9001)	3	1	3	3	1							
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)							3	3				3
9A	179850	BOLT, 3/8"-16X2 3/4" (12.9001)	2		2	2								
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)							2	2				
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)												2
9A	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	1		1	1				1				
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)							1	1				1
	192884	BOLT, 3/8"-16X6 3/4" (12.9001)							1					
9A	119092	BOLT, 3/8"-24X4 3/4" (12.9001)		1				3						
9A	192882	BOLT, 3/8"-24X6 1/4" (12.9001)		1				1						
	103321	LOCKWASHER, 3/8" (12.9200)	6	6	6	6		6	6	6				6
	102635	NUT, 3/8"-16 HEX. (12.9120)							4					
	117049	NUT, 3/8"-24 HEX. (12.9120)		4				4						
		* NOT SERVICED; REPLACE WITH 1-5145592 BODY, 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.												
		4.8055 - SHELL, BREATHER												
9A	5117524	* SHELL	1	1	1	1								
9A	5129603	SHELL							1	1				1
9A	5117523	SPACER	1	1	1	1			1	1				1
9A	186272	BOLT, 5/16"-18X4" (12.9001)	1	1	1	1			1	1				1
9A	120393	WASHER, 5/16" FLAT (12.9190)	1	1	1	1			1	1				1

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 382	385	386	388	390	392	393	395	396	398	399	401
		4.8055 - SHELL, BREATHER (CONT'D)												
		* NOT SERVICED; REPLACE WITH 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.												
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR												
9A	**5129604**	PAD	1	1	1	1			1	1				1
		4.8070 - GASKET, BREATHER SEPARATOR												
9A	**5104507**	GASKET	1	1	1	1		1	1	1				1
		4.8120 - TUBE, CYLINDER HEAD AIR INLET												
	5130897	TUBE									1			
	5126243	TUBE (TO LEFT REAR CYLINDER HEAD)											1	
	5123812	GASKET (1.2060)									1			
	5104151	BOLT, 1/4"-20 X 5/8" W/SEAL PATCH (12.9001)									2		2	
	120392	WASHER, 9/32" X 5/8" (12.9120)									2		2	
	120380	LOCKWASHER, 1/4" (12.9200)									2		2	
		4.8170 - PIPE, BREATHER EXTENSION												
	5133200	TUBE (DEV. L. 7.92") (TO RIGHT FRONT ROCKER COVER)											1	
9B	**5131966**	TUBE (DEV. L. 29.50")										1		
9B	**5108244**	TUBE (DEV. L. 29.62")				1						1		
9B	**5134484**	TUBE (DEV. L. 35.42")					1							
		4.8175 - HOSE, BREATHER EXTENSION PIPE												
9B	**5121764**	* HOSE (1 3/4"L.) (5120022)				1	1				1	2	2	
	5166247	* HOSE (2"L.) (5118149)											1	
		* NOT SERVICED. REPLACE WITH PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE												
	272857	CLAMP, 1" DIA. SPRING (12.9660)											2	
9B	**272859**	CLAMP (1 5/8" I.D.) (12.9660)				2	2				2	4	2	
	2337379	CLAMP, HOSE											2	

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 382	385	386	388	390	392	393	395	396	398	399	401
		4.8183 - BRACKET, BREATHER EXTENSION PIPE												
	5132472	SUPPORT, CLIP (9.1597)										1		
	5142270	CLIP											1	
	5184291	CLIP, 1 19/32"L. (8.3820)			1	1	1					1		
	5160425	SPACER (13/32"X23/32")(2.3267)			1	1								
	5164294	SPACER (7/8"-13/32"X1/8" THK)											1	
	123435	BOLT, 1/4"-28X5/8" (12.9001)										1		
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)			1	1								
	9409079	BOLT, 3/8"-16X7/8" HEX. LK.(12.9001)											1	
	120380	LOCKWASHER, 1/4" (12.9200)										1		
	5131433	WASHER, SPL.(.41"X.81"X.1345) (1.5001)											1	
	121902	NUT, 1/4"-28 HEX. (12.9120)										1		

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 403	404	405	408	410	412	416	419	421	422	423	425
		4.8001 - PIPE, BREATHER												
9B	5124767	PIPE (PRESSED IN CYLINDER BLOCK)		1	1			1						
9B	5137098 *	PIPE (DEV. L. 13.24" TO CYLINDER BLOCK)		1										
	5144828	TUBE (12.06"L.)		1	1	1		1	1			1	1	
9B	5124767	TUBE (DEV. L. 3.42" TO CYLINDER BLOCK)									2			
	5137760	TUBE (DEV. L. 5.28")												1
9B	5197033	TUBE (9.34" L. TO CYLINDER BLOCK)	1			1	1		1	1		1	1	1
	5137715	TUBE (DEV. L. 12.24")									1			
9B	5137096 *	TUBE (DEV. L. 13.40" TO CYLINDER BLOCK)			1			1						
9B	5124732	TUBE (DEV. L. 18.70") (4.8170)								1				
9B	5134612	TUBE (DEV. L. 39.66")					1					1		
9B	5100250	TUBE ASSY. (DEV. L. 3.80") (REAR)									1			
9A	5124730 @	ELBOW (REAR) (5144828 TUBE)								1				
	5144734	FLANGE		1	1	1		1	1			1	1	
	180121	BOLT, 3/8"-16X7/8" (12.9001)	2	2	2			2	2	2		2	2	
	179839	BOLT, 3/8"-16X1" (12.9001)		2	2			2			4			
	103341	WASHER, 3/8" FLAT (12.9190)		AR	AR			AR			AR			
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR		AR	AR	AR	AR	AR	AR	-
		* INCLUDES 1-5124767 PIPE.												
		@ NOT SERVICED; REPLACE WITH P/N SHOWN IN PARENTHESES AND INCLUDE 1-5144827 FLANGE AND 1-5117636 GASKET.												
		4.8020 - GASKET, BREATHER PIPE												
A	5132331	GASKET		1	1	1		1	1			1	1	
A	5117636	GASKET								1				
9B	5121894	GASKET		1	1			1						
		4.8040 - CLIP, BREATHER												
	5183472	CLIP (1 1/4"L.)					1					1		
	271562	BOLT, 5/8"-11X2" (12.9001)					1					1		
	103345	WASHER, 5/8" (12.9190)					1					1		
		4.8050 - SEPARATOR, BREATHER OIL												
	5135690 *	BODY		1	1	1		1	1			1	1	
9A	5109976	BODY								1				
9A	179839	BOLT, 3/8"-16X1" (12.9001)		3	1	3		1	3	3		3	3	
9A	179850	BOLT, 3/8"-16X2 3/4" (12.9001)		2	1	2		1	2	2		2	2	
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)						2						
9A	450517	BOLT, 3/8"-16X4 3/4" (12.9001)		1		1			1	1		1	1	

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 403	404	405	408	410	412	416	419	421	422	423	425
		4.8050 - SEPARATOR, BREATHER OIL (CONT'D)												
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)			3			3						
9A	192882	BOLT, 3/8"-24X6 1/4" (12.9001)				1								
	103321	LOCKWASHER, 3/8" (12.9200)		6	6	6		6	6	6		6	6	
	117049	NUT, 3/8"-24 HEX. (12.9120)			4			4						
		* NOT SERVICED; REPLACE WITH 1-5145592 BODY, 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.												
		4.8055 - SHELL, BREATHER												
9A	5117524	* SHELL		1	1	1		1	1	1		1	1	
9A	5117523	SPACER		1	1	1		1	1	1		1	1	
9A	186272	BOLT, 5/16"-18X4" (12.9001)		1	1	1		1	1	1		1	1	
9A	120393	WASHER, 5/16" FLAT (12.9190)		1	1	1		1	1	1		1	1	
		* NOT SERVICED; REPLACE WITH 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.												
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR												
9A	5129604	PAD		1	1	1		1	1	1		1	1	
		4.8070 - GASKET, BREATHER SEPARATOR												
9A	5104507	GASKET		1	1	1		1	1	1		1	1	
		4.8170 - PIPE, BREATHER EXTENSION												
	5135952	TUBE (DEV. L. 18.50")										1		
	5137584	TUBE (DEV. L. 26.78")											1	
9B	5108244	TUBE (DEV. L. 29.62")							1					
		4.8175 - HOSE, BREATHER EXTENSION PIPE												
9B	5121764	* HOSE (1 3/4"L.) (5120022)				1	1		1			1		1
9B	3222740	* HOSE (2.26"L.) (5163930) (5.3290)								1				
	5118379	HOSE (2.75"L.)											1	
	5156625	HOSE (2.76"L.) (5.5310)										1		
		* NOT SERVICED. REPLACE WITH PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 403	404	405	408	410	412	416	419	421	422	423	425
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE												
9B	272859	CLAMP (1 5/8"I.D.) (12.9660)				2	2		2	2		2	2	2
	2337379	CLAMP, HOSE								2		2		
		4.8183 - BRACKET, BREATHER EXTENSION PIPE												
	5166565	BRACKET, CLIP (9.1591)							1					
	5184291	CLIP, 1 1/4" (8.3820)					1						2	
	5135951	CLIP, 1 3/8"										1		
	5124733	CLIP, 1 1/2"								1				
	5160425	SPACER (13/32"X23/32" (2.3267)				1			1	1				
	5160425	SPACER (13/32"X23/32" (2.3267)											2	
	179833	BOLT, 3/8"-16X1/2" (12.9001)										1		
	180120	BOLT, 3/8"-16X3/4" (12.9001)							1					
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)							1	1			2	
	179857	BOLT, 7/16"-14X7/8" (12.9001)								1				
	103321	LOCKWASHER, 3/8" (12.9200)							1					
	102635	NUT, 3/8"-16 HEX. (12.9120)							1					

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4209	4308	4309	4443	4445	4448	4453	4457	4460	4464	4481	4487
		4.8001 - PIPE, BREATHER												
9B	**5197033**	PIPE (9.34"L.) (IN CYLINDER BLOCK)	1			1	1				1	1	1	1
9B	**5124767**	PIPE (3.42"L.) (IN CYLINDER BLOCK)		2					2	1				
	5143444	PIPE (12.75"L.) (ROCKER COVER)										1		
9A	**5130724**	PIPE ASSY. (6.88"L.)												1
	5197033	TUBE (9.34"L.) (TO CYLINDER HEAD)	1											
	5144828	TUBE				1					1	1	1	
9B	**5137075**	TUBE (DEV. L. 25.20")								1				
9B	**5108375**	@ TUBE ASSY. (DEV. L. 12.74")		1										
9B	**5137715**	TUBE ASSY. (DEV. L. 14.90")		1										
9B	**5103478**	TUBE ASSY. (DEV. L. 5.30")			2				1					
9B	**5137928**	@ TUBE ASSY. (DEV. L. 28.10")			1									
9B	**5138902**	TUBE ASSY.							1					
9B	**5118379**	HOSE (1 1/4"I.D.X90 DEG.)			1									
9B	**5121764**	# HOSE (1 3/4"L.) (5120022)										2		2
9B	**5151906**	# HOSE (2.26"L.) (5120022)			1									
9H	**3290750**	# HOSE (3.26"L.) (ROCKER COVER) (5120022)										1		
	5130514	ELBOW (CYLINDER HEAD)										1		1
	5144734	FLANGE				1					1	1	1	
	5123910	FLANGE						1						
	186676	BOLT, 1/4"-20X5/8" (12.9001)										2		2
9C	**186625**	BOLT, 5/16"-18X7/8" (12.9001)												1
9A	**180121**	BOLT, 3/8"-16X7/8" (12.9001)				2					2	2	2	
9A	**179839**	BOLT, 3/8"-16X1" (12.9001)		4	4			2	4	2				
	186310	BOLT, 3/8"-16X1 3/8" (12.9001)								2				
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)								3				
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)								1				
	103341	WASHER, 3/8" FLAT (12.9190)		AR	AR	AR			AR	AR				
	103320	LOCKWASHER, 5/16" (12.9200)												2
9A	**103321**	LOCKWASHER, 3/8" (12.9200)		AR	AR			AR	AR	AR	AR	AR	AR	
		# NOT SERVICED. USE P/N SHOWN AND CUT TO DESIRED LENGTH.												
		@ OBSOLETE.												
		4.8020 - GASKET, BREATHER PIPE												
9B	**5121894**	GASKET		2	2				2	1				
9A	**5132331**	GASKET				1					1	1	1	
9A	**5117636**	GASKET						1						
9C	**5163299**	GASKET												1
		4.8025 - BAFFLE, BREATHER												
	5133745	BAFFLE (4")								1				
		4.8040 - CLIP, BREATHER												
9B	**5184291**	CLIP, 1 1/4" DIA. (8.3820)										1		
9B	**272859**	CLAMP, 1 5/8"I.D. HOSE (12.9660)			4							4		2
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)										1		

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4289	4388	4399	4443	4445	4448	4537	4570	4600	4644	4811	4887
		4.8045 - BREATHER ASSY.												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5110384	BREATHER ASSY. (PAGE A1)								1				
		4.8050 - SEPARATOR, BREATHER OIL												
		A SEPARATOR ASSY. INCLUDES BUSHING IN 4.8050 AND FILTER UNIT IN 4.8060.												
9C	**5163908**	SEPARATOR ASSY.												1
9A	**5132416**	* BODY				1					1		1	
9A	**5135690**	* BODY					1					1		
9A	**5109976**	BODY						1						
	5133743	ADAPTOR (4")								1				
9C	**3222765**	BUSHING (2.8925)												1
9A	**179839**	BOLT, 3/8"-16X1" (12.9001)				3		1			3		3	
9A	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)					3					3		
9A	**179850**	BOLT, 3/8"-16X2 3/4" (12.9001)				2		1			2		2	
9A	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)					2					2		
9A	**450517**	BOLT, 3/8"-16X4 3/4" (12.9001)				1					1		1	
9A	**192883**	BOLT, 3/8"-16X5 1/4" (12.9001)					1					1		
9A	**9430221**	BOLT, 3/8"-24X4 3/4" (12.9001)						3						
9C	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)						1						4
9C	**179858**	BOLT, 7/16"-14X1" (12.9001)												1
	103321	LOCKWASHER, 3/8" (12.9200)				6	6	6			6	6	6	
	117049	NUT, 3/8"-24 HEX. (12.9120)						4						
		* NOT SERVICED; REPLACE WITH 1-5145592 BODY, 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.												
		4.8055 - SHELL, BREATHER												
9A	**5117524**	@ SHELL				1		1			1		1	
9A	**5129603**	SHELL					1					1		
9A	**5117523**	SPACER (4.8005)				1	1	1			1	1	1	
	5133746	STUD, 5/16"-18X2"								1				
9A	**186272**	BOLT, 5/16"-18X4" (12.9001)				1	1	1			1	1	1	
9A	**120393**	WASHER, 5/16" FLAT (12.9190)				1	1	1			1	1	1	
		@ NOT SERVICED; REPLACE WITH 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.												
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR												
9C	**5190344**	# FILTER UNIT												1
9A	**5129604**	PAD				1	1	1			1	1	1	
		# NOT SERVICED, USE 1-5163918 AND												

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4209	4308	4309	4343	4445	4448	4553	4557	4600	4664	4811	4887
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR (CONT'D)												
		1-5163919.												
		4.8070 - GASKET, BREATHER OIL SEPARATOR												
9A	5104507	GASKET (1.5060)				1	1	1		1	1	1	1	
	5192801	GASKET (2.3400)								1				
	5163910	GASKET (SCREEN)												1
		4.8120 - TUBE, CYLINDER HEAD AIR INLET												
	5130514	ELBOW (CYLINDER HEAD) (4.8001)	1											
	186676	BOLT, 1/4"-20X5/8" (12.9001)	2											
		4.8170 - PIPE, BREATHER EXTENSION												
9B	5138847	* PIPE (DEV. L. 9.38") (4.8010)							1					
9B	5137760	PIPE (DEV. L. 11.01") (4.8001)											1	
9B	5131966	PIPE (DEV. L. 28.38")							1					
9B	5108244	PIPE (DEV. L. 29.62")				1	1							
	5133966	PIPE (DEV. L. 30.06")	2											
9B	5137961	* PIPE (DEV. L. 33.38") (4.8001)			1									
9B	5137962	* PIPE (DEV. L. 36.68")			1									
		* OBSOLETE.												
		4.8175 - HOSE, BREATHER EXTENSION												
9B	5121764	* HOSE (1.75"L.) (5120022) (3.3001)	3			1	1		2		1		1	
9B	5151906	* HOSE (2.25"L.) (5120022) (5.3330)			2									
		* NOT SERVICED. REPLACE WITH PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE												
9B	5189051	CLAMP (1 1/2" DIA.) (12.9660)							2					
9B	272859	CLAMP (1 5/8" DIA.) (12.9660)	4		4	2	2		2		2		2	
		4.8183 - BRACKET, BREATHER EXTENSION PIPE												
	5127861	BRACKET (7.1587)	1											
	5132472	BRACKET, CLIP (4.8042)							1					
	5184291	CLIP (1 1/4" DIA.) (8.3820)	2		2	1	1		2					
	5179635	SUPPORT, CLIP (2.4001)							1					

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 429	438	439	443	445	448	453	457	460	464	481	487
		4.8183 - BRACKET, BREATHER EXTENSION PIPE (CONT'D)												
	5160425	SPACER (13/32"I.D.X23/32") (2.3267)	2			1	1				2			
	186618	BOLT, 5/16"-18X5/8" (12.9001)			2									
	180120	BOLT, 3/8"-16X3/4" (12.9001)							1					
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1											
	181360	BOLT, 3/8"-24X3 1/4" (12.9001)							2		2			
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)	2				1				1			
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)				1								
	120392	WASHER, 1/4" FLAT (12.9190)			2									
	103341	WASHER, 3/8" (12.9190)							3					
	103320	LOCKWASHER, 5/16" (12.9200)			2									
	103321	LOCKWASHER, 3/8" (12.9200)	3						3		3			
	117049	NUT, 3/8"-24 HEX. (12.9120)							2		2			

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 501	506	511	515	529	530	531	532	534	538	539
		4.8001 - PIPE, BREATHER											
9B	5197033	PIPE (9.34"L.) (IN CYLINDER BLOCK)					1			1	1		1
9B	5124767	PIPE (3.42"L.) (IN CYLINDER BLOCK)	2	1									
	5137098	* PIPE (DEV. L. 13.24") (TO CYLINDER BLOCK)		1									
	5135270	PIPE			1								
	5143444	PIPE (12.75"L.) (ROCKER COVER)					2						
	5142562	@ PIPE (TO FLYWHEEL HOUSING) (5146267)						1					
	5142563	@ PIPE (TO FLYWHEEL HOUSING) (5146265)							1				
9A	5130897	PIPE								1			1
9A	5121766	PIPE									1		
9B	5124767	PIPE (3.42"L.) (IN CYLINDER BLOCK)										1	
9B	5197231	PIPE (8"L.) (REAR)										1	
	5142600	PIPE ASSY. (11.50"L.) (ROCKER COVER)						1	1				
9A	5134847	PIPE ASSY.											1
	5144828	TUBE									1		
	5140619	& TUBE (5145586)				1							
9B	5145025	TUBE (FLYWHEEL HOUSING)								1			
9B	5137082	* TUBE ASSY. (DEV. L. 5.30")										1	
9B	5100250	TUBE ASSY. (DEV. L. 13.92")	2										
9B	5121764	# HOSE (1 3/4"L.) (5120022)											1
9H	3290750	# HOSE (3.26"L.) (ROCKER COVER) (5120022)						2					
	5130514	ELBOW (CYLINDER HEAD)					1						
	5144734	FLANGE									1		
	5150014	PLUG (IN CYLINDER BLOCK) (1.1001)				1		1	1				
	186676	BOLT, 1/4"-20X5/8" (12.9001)					2			2			2
A	180121	BOLT, 3/8"-16X7/8" (12.9001)									2		
9A	179839	BOLT, 3/8"-16X1" (12.9001)	4	2	2	2		2	2	2			2
9B	179839	BOLT, 3/8"-16X1" (12.9001)										2	
	103341	WASHER, 3/8" FLAT (12.9190)	AR	AR	AR							AR	
9A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR

* INCLUDES 2-5124767 PIPE.
@ NOT SERVICED; REPLACE WITH P/N SHOWN AND INCLUDE 1-5144827 FLANGE AND 1-5117636 GASKET.
& NOT SERVICED; REPLACE WITH P/N SHOWN AND INCLUDE 1-5144734 FLANGE AND 1-5132331 GASKET.
# NOT SERVICED. USE P/N SHOWN AND CUT TO DESIRED LENGTH.

		4.8020 - GASKET, BREATHER PIPE											
9A	5132331	GASKET				1					1		
9A	5117636	GASKET						1	1	1			1
9B	5121894	GASKET	2	1	1							1	

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 501	506	511	515	529	530	531	532	534	538	539
		4.8040 - CLIP, BREATHER											
9B	**5184291**	CLIP, 1 1/4" DIA. (8.3820)					2			1	1		
9H	**5141723**	CLIP, 1 1/2" DIA. (4.1522)								1			
9H	**5187661**	CLIP (4.8183)						1	1				
	5173022	SUPPORT, CLIP									1		
	5176400	BRACKET, CLIP (4.8010)										1	
9B	**272859**	CLAMP, 1 5/8"I.D. HOSE (12.9660)					4						2
	5160629	SPACER, 13/32"I.D. (4.2270)					2						
	179839	BOLT, 3/8"-16X1" (12.9001)								1			
	181361	BOLT, 3/8"-24X7/8" (12.9001)										2	
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)					1						
	103341	WASHER, 3/8" (12.9190)								1			
	103321	LOCKWASHER, 3/8" (12.9200)								1			
	102635	NUT, 3/8"-16 HEX. (12.9120)								1			
		4.8045 - BREATHER ASSY.											
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.											
	5162695	# BREATHER ASSY. (PAGE A1)						1	1	1			1
	5132427	# BREATHER ASSY. (PAGE A1)				1					1		
		# NOT SERVICED, USE COMPONENTS.											
		4.8050 - SEPARATOR, BREATHER OIL											
		A SEPARATOR ASSY. INCLUDES BUSHING IN 4.8050 AND FILTER UNIT IN 4.8060.											
9A	**5132416**	* BODY				1					1		
9A	**5109976**	BODY						1	1	1			
	5138913	@ BODY		1									
9A	**179839**	BOLT, 3/8"-16X1" (12.9001)				1		1	1	1	3		1
9A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)		4									
9A	**179850**	BOLT, 3/8"-16X2 3/4" (12.9001)		2		1		1	1	1	2		1
9A	**450517**	BOLT, 3/8"-16X4 3/4" (12.9001)									1		
9A	**192883**	BOLT, 3/8"-16X5 1/4" (12.9001)		1									
9A	**9430221**	BOLT, 3/8"-24X4 3/4" (12.9001)				3		3	3	3			3
9A	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)								1			
9A	**192882**	BOLT, 3/8"-24X6 1/4" (12.9001)				1		1	1				1
	103321	LOCKWASHER, 3/8" (12.9200)		6		6		6	6	6	6		6
	117049	NUT, 3/8"-24 HEX. (12.9120)				4		4	4	4			4
		* NOT SERVICED; REPLACE WITH 1-5145592 BODY, 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.											
		@ OBSOLETE.											

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 501	506	511	515	529	530	531	532	534	538	539
		4.8055 - SHELL, BREATHER											
9A	**5117524**	@ SHELL				1							
9A	**5117523**	SPACER (4.8005)				1							
9A	**186272**	BOLT, 5/16"-18X4" (12.9001)				1							
9A	**120393**	WASHER, 5/16" FLAT (12.9190)				1							
		@ NOT SERVICED; REPLACE WITH 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.											
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR											
9A	**5129604**	PAD				1							
	5138862	PAD		1									
		4.8065 - RETAINER, BREATHER PAD											
	5138912	RETAINER		1									
	2443795	COVER (4")		1									
	5104265	CLAMP		1									
		4.8070 - GASKET, BREATHER OIL SEPARATOR											
9A	**5101760**	GASKET (1.5060)		1		1		1	1	1	1		1
		4.8120 - TUBE, CYLINDER HEAD AIR INLET											
	5135332	TUBE (TO LEFT REAR CYLINDER HEAD)			1								
	186676	BOLT, 1/4"-20X5/8" (12.9001)			2								
		4.8170 - PIPE, BREATHER EXTENSION											
	5144061	+ PIPE (DEV. L. 16.25")											1
9B	**5133241**	PIPE (DEV. L. 22.50") (4.8001)			1								
9B	**5143631**	PIPE (DEV. L. 22.90")										1	
9B	**5131966**	PIPE (DEV. L. 28.38")										1	
		+ OBSOLETE.											
		4.8175 - HOSE, BREATHER EXTENSION											
9B	**5121764**	* HOSE (1.75"L.) (5120022) (3.3001)			1							2	
9B	**5166247**	* HOSE (2"L.) (5118149)			1			1		1	1		
9B	**3290750**	* HOSE (3.26"L.) (5120022)							1				
9B	**5160683**	* HOSE (3.75"L.) (5163930) (5.5380)											1
		* NOT SERVICED. REPLACE WITH PART NUMBER SHOWN AND CUT TO DESIRED											

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 501	506	511	515	529	530	531	532	534	538	539
		4.8175 - HOSE, BREATHER EXTENSION (CONT'D)											
		LENGTH.											
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE											
9B	272857	CLAMP (1" DIA. SPRING) (12.9660)			2			2	2			2	2
9B	2337379	CLAMP (1 1/2" DIA.) (12.9660)											
9B	272859	CLAMP (1 5/8" DIA.) (12.9660)			2					2	2		
		4.8183 - BRACKET, BREATHER EXTENSION PIPE											
	5142270	CLIP										1	
	5184291	CLIP (1 1/4" DIA.) (8.3820)			1						2	2	
	5183246	CLIP (1 1/2" DIA.) (8.3821)											1
	5179635	SUPPORT, CLIP (2.4001)										1	
	186618	BOLT, 5/16"-18X5/8" (12.9001)									1		
	186627	BOLT, 3/8"-24X1" (12.9001)											1
	179857	BOLT, 7/16"-14X7/8" (12.9001)										1	
	103341	WASHER, 3/8" (12.9190)										3	
	103320	LOCKWASHER, 5/16" (12.9200)									1		
	103321	LOCKWASHER, 3/8" (12.9200)										AR	
	103322	LOCKWASHER, 7/16" (12.9200)										1	
	120376	NUT, 5/16"-18 HEX. (12.9120)									1		
	117049	NUT, 3/8"-24 HEX. (12.9120)										2	

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4.8000A VENTILATING SYSTEM

4.8183 - BRACKET, BREATHER EXTENSION PIPE (CONT'D)

▪ FOR TYPE 572 USE TYPE 666.▪
▪ FOR TYPE 562 USE TYPE 358.▪

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 544	548	553	554	556	563	565	568	570	575	580	584
9B	5124767	PIPE (3.42"L.) (IN CYLINDER BLOCK)	1										1	
9H	5143444	PIPE (12.975"L.) (ROCKER COVER)	2							2	2			
9B	5135270	PIPE (TO CYLINDER BLOCK)		1									1	1
9H	5140151	TUBE (1 1/4"I.D.X23.46"L.)						2						
	5135952	* TUBE (1 3/8"I.D.X18.50"L.) (5147429)										1		
9F	5197033	TUBE (DEV. L. 9.34")				1			1			1		1
9A	5144828	TUBE (DEV. L. 12.06")											1	1
9A	5145025	TUBE (DEV. L. 14.35") (FLYWHEEL HSG.)										1		
9G	5133966	TUBE (DEV. L. 29.32") (ROCKER COVER)							2				2	
9H	5133201	TUBE (DEV. L. 30.42") (TO ROCKER COVERS)				2								
9G	5137867	TUBE (DEV. L. 33.50") (ROCKER COVER)							1					
9E	5144822	TUBE (L.B. CYLINDER HEAD)								1	1			
9E	5144820	TUBE (R.B. CYLINDER HEAD)								1	1			
9B	5103478	TUBE ASSY. (DEV. L. 5.30")		1										
	5144451	* TUBE ASSY. (TO CYLINDER HEAD) (5148969)	1											
9E	5135332	TUBE ASSY. (TO CYLINDER HEAD)		1									1	
9E	5144004	@ TUBE ASSY. (TO RIGHT BANK, CYLINDER HEAD)			1		1	1						
9E	5144010	@ TUBE ASSY. (TO LEFT BANK, CYLINDER HEAD)			1		1	1						
9G	5144227	TUBE ASSY. (FRONT R.B. & L.B., CYL. HD.)			2		2				2	2		
9G	5144252	TUBE ASSY. (REAR RIGHT BANK AND LEFT BANK, CYLINDER HEAD)			2		2				2			
9G	5186447	HOSE ASSY. (20 1/2" L.) (9.1730)			2									
	5138377	HOSE ASSY. (25 1/2"L.) (9.1730)					1				3			
9G	5177502	HOSE ASSY. (28 1/2"L.) (4.3001)			1		1				1			
9G	5137686	HOSE ASSY. (32" L.) (4.3001)			1									
	5124355	HOSE (.80"L.) (2.7030)	1											
9G	5121764	* HOSE (1 3/4"L.) (5120022) (4.8175)			1	1	1	1	3			1	2	
9F	5166247	* HOSE (2"L.) (5147019) (4.8175)		1									1	
9H	5151906	HOSE (2 1/4"L.) (5.3330)						2						
	5156625	HOSE (2.76"L.) (5.5310)										1		
9H	5115995	* HOSE (7 1/2"L.) (5120022)								2	1			
	5156170	* HOSE (2.50"L.) (5118149) (5.5470)			1		1	1						
9H	3290750	* HOSE (3.26"L.) (ROCKER COVER) (5120022)	2			1								
9H	5111750	* HOSE (5.76"L.) (5120022) (5.2165)				1								
	5144003	@ ELBOW (TO LEFT BANK, CYLINDER HEAD)			1		1	1						
9G	5144261	ELBOW (TO FRONT LEFT BANK, CYLINDER HEAD)			1						1			
9G	5130514	ELBOW (TO REAR LEFT BANK, CYLINDER				1			1			1		

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 544	548	553	554	556	563	565	568	570	575	580	584
		4.8183 - BRACKET, BREATHER EXTENSION PIPE (CONT'D)												
		HEAD)												
9G	5144230	ELBOW (TO FRONT RIGHT BANK, CYL. HEAD)									1			
9G	144116	ELBOW, 1"X45 DEG. STREET (12.9590)			4		1				4			
9G	108687	ELBOW, 1"X90 DEG. STREET (12.9590)			4		3				3			
	5183079	CONNECTOR, 1 5/16"X1" PIPE TAP) (9.1720)			2						2			
9G	218703	TEE, 1" PIPE (9.9530)			2		1							
	5144480	TEE (L.B. REAR OF BLOCK)			1		1			1	1			
	272857	CLAMP, 1"I.D. (12.9660)		2									2	
	5186840	CLAMP, 1" I.D. HOSE (12.9660)			2		2	2						
	5104592	CLAMP, 1 I.D. HOSE (12.9660)	2											
	272859	CLAMP, 1 5/8"I.D. (12.9660)	4			6				4	4			
	2337379	CLAMP, 1 1/2"I.D. HOSE (12.9660)			2		2	6	6			4	4	
	5144734	FLANGE										1		1
	186676	BOLT, 1/4"-20X5/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	
	454894	BOLT, 1/4"-20X3/4" (12.9001)					10	2		2	2			
	443603	BOLT, 1/4"-20X3/4" (12.9001)									8			
	5104152	BOLT, 1/4"-20 X 3/4" W/SEAL PATCH			12									
	179801	BOLT, 1/4"-20X1 1/2" (12.9001)									2			
	179839	BOLT, 3/8"-16X1" (12.9001)	2	4	2		2	2		2	2	2	2	2
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)									1			
	103341	WASHER, 3/8" FLAT (12.9190)		AR	AR		AR	AR		AR			AR	
	5179709	WASHER, 17/64" FLAT COPPER (2.7175)			AR		AR	AR		AR				
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR									
	103321	LOCKWASHER, 3/8" (12.9200)	2	4	2		2	2		2	2	2	2	2
		* NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.												
		@ NOT SERVICED; SUPERSEDED BY 5144480 TEE AND ALSO REPLACE 5144003 AND 5144004 TUBES WITH 5144822 AND 5144820 TUBE ASSEMBLY.												
		4.8017 - SEAL, BREATHER ELBOW												
	5183014	+ SEAL RING (3.4044)			2					2	2			
		+ OBSOLETE.												
		4.8020 - GASKET, BREATHER PIPE												
9E	5123812	GASKET (1.2060)	1	1	6	1	6	2		1				
9B	5121894	GASKET	1	2	1		1	1		1	1		1	
9B	5117636	GASKET										1		
9B	5132331	GASKET												†
		4.8040 - CLIP, BREATHER												
	5142270	CLIP								2				
	5184291	CLIP, 1 1/4" DIA. (8.3820)	2			2		2	2		2		2	
	5135951	CLIP, 1 3/8" DIA.										1		
	5166565	BRACKET, CLIP (9.1591)	1											

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 544	548	553	554	556	563	565	568	570	575	580	584
		4.8040 - CLIP, BREATHER (CONT'D)												
	5109000	BRACKET, CLIP (4.6040)						2						
	5160629	SPACER, 13/32"I.D. (4.2270)				1					1			
	5160425	SPACER, 13/32"I.D. (2.3267)							1				2	
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)							1					
	186629	BOLT, 5/16"-18X1" (12.9001)	1											
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)											1	
	181333	BOLT, 5/16"-24X5/8" (12.9001)						2						
	179838	BOLT, 3/8"-16X7/8" (12.9001)							1					
	179839	BOLT, 3/8"-16X1" (12.9001)				1								
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)							1					
	9430221	BOLT, 3/8"-24X4" (12.9001)								1				
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)							1				1	
	106261	WASHER, 5/16" FLAT (12.9190)						2						
	103320	LOCKWASHER, 5/16" (12.9200)	AR					AR						
	120376	NUT, 5/16"-18 (12.9120)	1											
	121917	NUT, 5/16"-24 HEX. (12.9120)						2						
		4.8045 - BREATHER ASSEMBLY												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5132427	# BREATHER ASSY. (PAGE A1)										1		1
	179839	BOLT, 3/8"-16X1" (12.9001)										3		4
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)										2		3
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)										1		1
	9418964	BOLT, 3/8"-16X5" (12.9001)												2
	272547	BOLT, 3/8"-16X6 1/2" (12.9001)												1
	103321	LOCKWASHER, 3/8" (12.9200)										AR		AR
	102635	NUT, 3/8"-16 (12.9120)												4
		# NOT SERVICED; USE COMPONENTS.												
		4.8070 - GASKET, BREATHER BODY												
9A	5104507	GASKET (1.5060)											1	1
		4.8170 - PIPE, BREATHER EXTENSION												
9B	5131966	PIPE (28.38" DEV. L.)		1										
9B	5108244	PIPE (29.62" DEV. L.)												1
		4.8175 - HOSE, BREATHER EXTENSION												
9B	5121764	@ HOSE (1.75"L.) (5120022)		1										1
		@ NOT SERVICED; USE PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 544	548	553	554	556	563	565	568	570	575	580	584
	4.8180	**- CLAMP, BREATHER EXTENSION PIPE HOSE**												
9B	**272859**	CLAMP, 1 5/8" (12.9660)		2										2
	4.8183	**- BRACKET, BREATHER EXTENSION PIPE**												
	5176400	BRACKET, CLIP (4.8010)		1										
	5166565	BRACKET, CLIP (9.1591)												1
	5179635	SUPPORT, CLIP (2.4001)		1										
	5184291	CLIP, 1 1/4" DIA. (8.3820)		2										1
	5160425	SPACER, 13/32"I.D. (2.3267)												1
	180120	BOLT, 3/8"-16X3/4" (12.9001)												1
	181360	BOLT, 3/8"-24X3/4" (12.9001)		1										
	181361	BOLT, 3/8"-24X7/8" (12.9001)		1										
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)												1
	103341	WASHER, 3/8" FLAT (12.9190)		2										
	103321	LOCKWASHER, 3/8" (12.9200)		2										1
	102635	NUT, 3/8"-16 HEX. (12.9120)												1
	117049	NUT, 3/8"-24 HEX. (12.9120)		2										

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 588	590	602	603	604	605	606	608	609	610	611	612
		4.8001 - PIPE ASSY., BREATHER												
9B	5124767	PIPE (3.42"L.) (IN CYLINDER BLOCK)	2		1								1	
9B	5135270	PIPE (TO CYLINDER BLOCK)	1											
9B	5121766	PIPE (32.34"L.)		1										
9A,B	5145582	TUBE (DEV. L. 7.64")							1					
	5197033	TUBE (DEV. L. 9.34")		1						1	1	1		
	5144828	TUBE (DEV. L. 12.06")	1	1								1	1	1
	5102156	TUBE (DEV. L. 12.06)					1			1	1			
9A,B	5137096	TUBE (DEV. L. 12.46")											1	
9A,B	5145584	TUBE (DEV. L. 12.51")						1						
9A,B	5145583	TUBE (DEV. L. 15.17")				1								
9H	5133201	TUBE (DEV. L. 30.42") (TO ROCKER COVERS)	1											
9H	5135332	TUBE ASSY. (TO CYLINDER HEAD)	1											
9B	5144856	TUBE ASSY. (TO CYLINDER BLOCK)			1									
9F	5121764	* HOSE (1 3/4"L.) (5120022) (4.8175)		1										
9F	5166247	* HOSE (2"L.) (5118149) (4.8175)	1											
9H	3290750	* HOSE (3.26"L.) (ROCKER COVER) (5120022)	1											
9H	272857	CLAMP, 1"I.D. (12.9660)	2											
9H	272859	CLAMP, 1 5/8"I.D. (12.9660)	2	2										
	5144734	FLANGE	1	1		1	1	1	1	1	1	1	1	1
	186676	BOLT, 1/4"-20X5/8" (12.9001)	2	2										
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2			2	2	2	2	2	2	2	2	2
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2								2	
	103341	WASHER, 3/8" FLAT (12.9190)	AR		AR								AR	
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		* NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.												
		4.8020 - GASKET BREATHER TUBE												
9B	5121894	GASKET	1		1								1	
9B	5132331	GASKET	1	1		1	1	1	1	1	1	1	1	1
		4.8040 - CLIP, BREATHER TUBE												
9H	5184291	CLIP, 1 1/4" DIA. (8.3820)	1	1										
	5173022	BRACKET, CLIP		1										
9H	186618	BOLT, 5/16"-18X5/8" (12.9001)		1										
9H	9430221	BOLT, 3/8"-24X4 3/4" (1.2080)	1											
	103320	LOCKWASHER, 5/16" (12.9200)		AR										
	120376	NUT, 5/16"-18 (12.9120)		1										
		4.8045 - BREATHER ASSY.												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5132427	# BREATHER ASSY. (PAGE A1)		1										

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5 8 8	5 9 0	6 0 2	6 0 3	6 0 4	6 0 5	6 0 6	6 0 8	6 0 9	6 1 0	6 1 1	6 1 2
		4.8045 - BREATHER ASSY. (CONT'D)												
	5132446	# BREATHER ASSY. (PAGE A1)	1											
	179839	BOLT, 3/8"-16X1" (12.9001)		4										
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	3											
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)		3										
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)	2											
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)		1										
	9418964	BOLT, 3/8"-16X5" (12.9001)		2										
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)	1											
	272547	BOLT, 3/8"-16X6 1/2" (12.9001)		1										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR										
	102635	NUT, 3/8"-16 (12.9120)		4										
		# NOT SERVICED; USE COMPONENTS.												
		4.8050 - BODY, BREATHER OR SEPARATOR												
9A	**5145592**	BODY			1	1	1	1	1	1	1	1	1	1
9A	**186619**	* BOLT, 3/8"-16X1 1/8" (12.9001)		1					1	1	1	1	1	1
9A	**186619**	# BOLT, 3/8"-16X1 1/8" (12.9001)		3	3	3	3	3		3	3	3	3	3
9A	**179848**	* BOLT, 3/8"-16X2 1/4" (12.9001)		1					1	1	1	1	1	1
9A	**179848**	# BOLT, 3/8"-16X2 1/4" (12.9001)		2	2	2	2	2		2	2	2	2	2
9A	**450517**	# BOLT, 3/8"-16X4 3/4" (12.9001)		1	1	1	1	1		1	1	1	1	1
9A	**9418964**	* BOLT, 3/8"-16X5" (12.9001)		3					3	3	3	3	3	3
9A	**186290**	* BOLT, 3/8"-16X6" (12.9001)		1					1	1	1	1	1	1
9A	**103321**	LOCKWASHER, 3/8" (12.9200)			6	6	6	6	6	6	6	6	6	6
9A	**102635**	* NUT, 3/8"-16 HEX. (12.9120)		6					6	6	6	6	6	6
		* BREATHER MOUNTING LEFT SIDE.												
		# BREATHER MOUNTING RIGHT SIDE.												
		4.8055 - SHELL, BREATHER												
9A	**5113734**	SHELL			1	1	1	1	1	1	1	1	1	1
		4.8060 - FILTER UNIT, BREATHER												
9A	**5101760**	ELEMENT, BREATHER (4")			1	1	1	1	1	1	1	1	1	1
		4.8070 - GASKET, BREATHER BODY OR SEPARATOR												
	5104507	GASKET (1.5060)	1	1	1	2	2	2	2	2	2	2	2	2
		4.8170 - PIPE, BREATHER EXTENSION												
	5147429	TUBE, FLEX.					1			1	1			
9B	**5108244**	PIPE (29.62" DEV. L.)										1		

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 588	590	602	603	604	605	606	608	609	610	611	612
		4.8175 - HOSE, BREATHER EXTENSION												
9B	**5121764**	@ HOSE (1.75"L.) (5120022)										1		
		@ NOT SERVICED; USE PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE												
9B	**5186840**	CLAMP, 1 1/2" (12.9660)					1			1	1			
9B	**272859**	CLAMP, 1 1/2" (12.9660)										2		
	672772	CLIP, 1.56" VINYL					1			1	1			
	179857	BOLT, 7/16"-14X7/8" (12.9001)					1			1	1			
	103342	WASHER, 7/16"					1			1	1			
		4.8183 - BRACKET, BREATHER EXTENSION PIPE												
	5184291	CLIP, 1 1/4" DIA. (8.3820)										1		
	5160425	SPACER, 13/32"I.D. (2.3267)										1		
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)										1		

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 613	614	617	618	620	621	622	623	624	625	626	627
		4.8001 - PIPE ASSY., BREATHER												
9A,B	5124767	TUBE (3.42" DEV. L.)	1			1								
9A,B	5145586	TUBE (9.26" DEV. L.)			1									
9A,B	5197033	TUBE (9.34" DEV. L.)		1			1	1	1				1	1
9A,B	5146265	TUBE (10.36" DEV. L.)												1
9A,B	5142600	TUBE (11.50" DEV. L.)											1	1
9A,B	5144828	TUBE (12.06" DEV. L.)	1		1		1		1					
	5102156	TUBE (12.06 DEV. L.)		1										
9A,B	5143444	TUBE (12.75" DEV. L.)							1					
9A,B	5137098	TUBE (13.24" DEV. L.)				1								
9A,B	5145025	TUBE (14.35" DEV. L.)						1						
9A,B	5146267	TUBE (15.96" DEV. L.)											1	
9A,B	5135952	* TUBE (18.50" DEV. L.) (5147429)		1				1						
9A,B	5137075	TUBE (25.20" DEV. L.)	1											
9A,B	5134612	TUBE (39.66" DEV. L.)		1										
9A,B	5144734	FLANGE	1	1	1	1	1	1	1	1	1	1	1	1
	5130514	ELBOW						1	1				1	1
	5150014	PLUG (IN CYL. BLOCK) (1.1001)								1				
9A,B	186676	BOLT, 1/4"-20X5/8" (12.9001)						2	2				2	2
9A,B	179838	BOLT, 3/8"-16X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
9A,B	179839	BOLT, 3/8"-16X1" (12.9001)	2			2								
9A,B	103341	WASHER, 3/8" (12.9190)	2			2								
9A,B	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		* NOT SERVICED; USE PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												
		4.8020 - GASKET, BREATHER PIPE												
9A,B	5132331	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
9A,B	5121894	GASKET	1			1								
		4.8021 - CONNECTOR, BREATHER TUBE												
	5146268	CONNECTOR									1	1		
		4.8040 - CLIP, BREATHER												
9B	5184291	CLIP, 1 1/4" DIA. (8.3820)	1	1										
9B	5187661	CLIP, 1 1/4" DIA. (4.8183)											1	1
9B	5160425	SPACER, 13/32"I.D. (2.3267)	1											
	186290	BOLT, 3/8"-16X6" (12.9001)	1											
	271562	BOLT, 5/8"-11X2" (12.9001)		1										
	103345	WASHER, 5/8" (12.9190)		1										
		4.8050 - BODY, BREATHER												
9A	5145592	BODY	1	1	1	1	1	1	1	1	1	1	1	1
9A	186619	# BOLT, 3/8"-16X1 1/8" (12.9001)	3	3		3	3	3	3		3	3	3	
9A	186619	* BOLT, 3/8"-16X1 1/8" (12.9001)	1		1	1	1			1				
9A	5104599	# BOLT, 3/8"-16X1.13" W/SEAL PATCH (12.9001)												3

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 613	614	617	618	620	621	622	623	624	625	626	627
		4.8050 - BODY, BREATHER (CONT'D)												
9A	179848	# BOLT, 3/8"-16X2 1/4" (12.9001)	2	2		2	2	2	2		2	2	2	2
9A	179848	* BOLT, 3/8"-16X2 1/4" (12.9001)	1		1	1	1			1				
9A	450517	* BOLT, 3/8"-16X4 3/4" (12.9001)	1	1		1	1	1	1				1	1
9A	9418964	* BOLT, 3/8"-16X4 3/4" (12.9001)	3		3	3	3			3				
9A	186290	* BOLT, 3/8"-16X6" (12.9001)	1		1	1	1			1				
9A	103321	LOCKWASHER, 3/8" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6
9A	102635	* NUT, 3/8"-16 HEX. (12.9120)	4		4	4	4			4				
		# BREATHER MOUNTING RIGHT SIDE.												
		* BREATHER MOUNTING LEFT SIDE.												
		4.8055 - SHELL, BREATHER												
9A	5113734	SHELL	1	1	1	1	1	1	1	1	1	1	1	1
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR												
9A	5101760	ELEMENT, BREATHER (4")	1	1	1	1	1	1	1	1	1	1	1	1
		4.8070 - GASKET, BREATHER BODY												
9A	5104507	GASKET (1.5060)	2	2	2	2	2	2	2	2	2	2	2	2
		4.8170 - PIPE, BREATHER EXTENSION												
9B	5125619	PIPE (27.80" DEV. L.)									1	1		
9B	5121766	PIPE (32.34" DEV. L.)							1					
		4.8175 - HOSE, BREATHER EXTENSION												
9B	5121764	@ HOSE (1.75"L.) (5120022)		1			1	1	1				1	1
9B	3222740	@ HOSE (2.26"L.) (5163930) (5.3290)									1			
9B	5156625	HOSE (2.76"L.) (5.5310)		1	1			1						
9B	3290750	@ HOSE (3.26"L.) (5120022)							1				1	1
9B	5160683	@ HOSE (3.75"L.) (5163930) (5.5380)										1		
		@ NOT SERVICED. USE PART NUMBER SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.												
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE												
9B	272857	CLAMP, 1" (12.9660)											2	2
9B	111612	CLAMP, 1 3/8" (12.9660)						2						
9B	2337379	CLAMP, 1 1/2" (12.9660)		2				2			2	2		

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 613	614	617	618	620	621	622	623	624	625	626	627
	4.8180	**- CLAMP, BREATHER EXTENSION PIPE HOSE (CONT'D)**												
9B	**272859**	CLAMP, 1 5/8" (12.9660)		2			2		4				2	2
	4.8183	**- BRACKET, BREATHER EXTENSION PIPE**												
	5173022	BRACKET (5.5379)					1				1			
	5108612	BRACKET (4.4345)										2		
	5184291	CLIP (1 1/4" DIA.) (8.3820)					1		1					
	5135951	CLIP (1 3/8" DIA.) (4.8040)		1				1						
	5179368	CLIP (1 1/2" DIA.) (4.8180)									2	2		
	5183246	CLIP (1 1/2" DIA.) (8.3821)										2		
	186618	BOLT, 5/16"-18X5/8" (12.9001)					1							
	181360	BOLT, 3/8"-24X3/4" (12.9001)									2	2		
	186627	BOLT, 3/8"-24X1" (12.9001)									2			
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)							1					
	122223	BOLT, 7/16"-14X5/8" (12.9001)		1										
	103341	WASHER, 3/8" (12.9190)									2	2		
	103320	LOCKWASHER, 5/16" (12.9200)					1							
	103321	LOCKWASHER, 3/8" (12.9200)									2	2		
	120376	NUT, 5/16"-18 HEX. (12.9120)					1							
	117049	NUT, 3/8"-24 HEX. (12.9120)									2	2		

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6342	6349	6359	6364	6365	6366	6374	6387	6388	6390	6392
		4.8001 - PIPE ASSY., BREATHER											
9A,B	5135332	TUBE (2.10" DEV. L.)				1					2		
9A,B	5135270	TUBE (2.36" DEV. L.)				1					2		
9A,B	5124767	TUBE (3.42" DEV. L.)	1	1				1					
9A,B	5144451	* TUBE (3.80" DEV. L.) (5148969)	1	1									
9A,B	5144822	TUBE (5.37" DEV. L.)			1			1					
9A,B	5197033	TUBE (9.34" DEV. L.)					1		1			1	
9A,B	5144820	TUBE (10.10" DEV. L.)			1			1					
9A,B	5144828	TUBE (12.06" DEV. L.)	1						1				
	5102156	TUBE (12.06 DEV. L.)		1									
9A,B	5143444	TUBE (12.75" DEV. L.)	1	1		2	1						
9A,B	5133201	TUBE (21.50" DEV. L.)											1
9A,B	5121764	* TUBE (1.75" DEV. L.) (5120022)											5
9A,B	5132911	TUBE (27.70 DEV. L.)											1
9A,B	5148667	TUBE (22.00 DEV. L.)		1								1	
9H	3290750	* HOSE (2.26" DEV. L.) (5120022)		1									1
9H	5133966	TUBE (27.32" DEV. L.)			2								
9A,B	5144734	FLANGE	1	1					1	1		1	
	5144480	TEE (L.B. REAR BLOCK)			1			1					
	5186840	CLAMP, 1"I.D. HOSE (12.9660)		1						1		1	
	2337379	CLAMP, 1 1/2" (12.9660)											6
	272859	CLAMP, 1 5/8" (12.9660)		2									4
	5150014	PLUG (IN CYL. BLOCK) (1.1001)								1			
9A,B	186676	BOLT, 1/4"-20X5/8" (12.9001)			2	2	2		2		4	2	
	5104151	BOLT, 1/4"-20 X 5/8" W/SEAL PATCH (12.9001)						4					
	5104152	BOLT, 1/4"-20 X 3/4" W/SEAL PATCH (12.9001)			4	2							
9A,B	179838	BOLT, 3/8"-16X7/8" (12.9001)	2	2					2	2		2	
9A,B	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2		2			4		
	120392	WASHER, 9/32" X 5/8" (12.9190)				2							
9A,B	103341	WASHER, 3/8" (12.9190)	2	2	1	2		2			4		
	103319	LOCKWASHER, 1/4" (12.9200)				2							
9A,B	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2			2	2	4	2	
		* NOT SERVICED; USE PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.											
		4.8013 - ELBOW, BREATHER											
	5130514	ELBOW					1		1			1	
		4.8017 - SEAL, BREATHER ELBOW											
	5180314	SEAL RING (3.4044)			2			2					
		4.8020 - GASKET, BREATHER PIPE											
9A,B	5132331	GASKET	1	1					1	1		1	
9A,B	5121894	GASKET	1	1	1	1		1			2		
		4.8021 - CONNECTOR, BREATHER TUBE											
	5145025	CONNECTOR								1		1	
		4.8040 - CLIP, BREATHER											
9B	5184291	CLIP, 1 1/4" DIA. (8.3820)					1						2
	5142270	CLIP (4.8183)											1
	5183952	BRACKET, CLIP											2

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6344	6449	6559	6664	6665	6666	6774	6887	6888	6990	6992
		4.8040 - CLIP, BREATHER (CONT'D)											
	5164294	SPACER (7.1581)											1
	5131433	SPACER (.41X.81X.1345) (1.5001)											1
	123435	BOLT, 1/4"-28X5/8" (12.9001)											2
	9409079	BOLT, 3/8"-16X7/8" (12.9001)											1
	9430221	BOLT, 3/8"-24X4 1/2" (12.9001)					1						
	120392	WASHER, 1/4" FLAT (12.9190)											2
	103319	LOCKWASHER, 1/4" (12.9200)											2
	121902	NUT, 1/4"-28 HEX. (12.9120)											2
		4.8045 - BREATHER ASSY.											
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.											
	5132427	* BREATHER ASSY. (PAGE A1)	1										
		* NOT SERVICED; USE COMPONENTS.											
		4.8050 - BODY, BREATHER											
9A	5145592	BODY	1	1					1	1		1	
9A	179839	@ BOLT, 3/8"-16X1" (12.9001)	1										
9A	179839	# BOLT, 3/8"-16X1" (12.9001)	3										
9A	186619	# BOLT, 3/8"-16X1 1/8" (12.9001)		3					3	3		3	
9A	186619	@ BOLT, 3/8"-16X1 1/8" (12.9001)		1									
9A	179848	# BOLT, 3/8"-16X2 1/4" (12.9001)		2					2	2		2	
9A	179848	@ BOLT, 3/8"-16X2 1/4" (12.9001)		1									
9A	179850	# BOLT, 3/8"-16X2 3/4" (12.9001)	2										
9A	179850	@ BOLT, 3/8"-16X2 3/4" (12.9001)	1										
9A	450517	# @ BOLT, 3/8"-16X4 3/4" (12.9001)	1	1					1	1		1	
9A	9418964	@ BOLT, 3/8"-16X4 3/4" (12.9001)		3									
9A	9418964	@ BOLT, 3/8"-16X4 3/4"	2										
9A	186290	@ BOLT, 3/8"-16X6" (12.9001)		1									
9A	272547	@ BOLT, 3/8"-16X6 1/2" (12.9001)	1										
	5152148	WASHER, 3/8"X9/16" (2.4050)											1
9A	103321	LOCKWASHER, 3/8" (12.9200)	6	6					6	6		6	
9A	102635	@ NUT, 3/8"-16 HEX. (12.9120)	4	4									
		@ BREATHER MOUNTING LEFT SIDE. # BREATHER MOUNTING RIGHT SIDE.											
		4.8055 - SHELL, BREATHER											
9A	5113734	SHELL	1	1					1	1		1	
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR											
9A	5101760	ELEMENT, BREATHER (4")	1	1					1	1		1	

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6344	6449	6559	6664	6665	6666	6744	6887	6888	6890	6892
		4.8070 - GASKET, BREATHER BODY											
9A	**5104507**	GASKET (1.5060)	2	2					2	2		2	
		4.8170 - PIPE, BREATHER EXTENSION											
5B	**5124731**	PIPE (19.60" DEV. L.)	1	1									
		4.8175 - HOSE, BREATHER EXTENSION											
9B	**5104527**	HOSE (1.00" L.) (2.7030)	1	1									
9B	**5121764**	* HOSE (1.75"L.) (5120022)					1		1			1	
9B	**5166247**	HOSE (2.00"L.)				1					2		
9B	**3222740**	* HOSE (2.26"L.) (5163930) (5.3290)	1	1									
9B	**3290750**	* HOSE (3.26"L.) (5120022)	1	1									
9B	**5115995**	* HOSE (7.50"L.) (5120022) (4.8010)				2	1						
9F	**5111750**	* HOSE (5.76" L.) (5120022)			2								
		* NOT SERVICEDD. USE PART NUMBER SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.											
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE											
9B	**272857**	CLAMP, 1" (12.9660)				2					4		
9B	**5104592**	CLAMP, 1" (12.9660)	2	2									
9B	**2337379**	CLAMP, 1 1/2" (12.9660)	2	2								2	
9B	**272859**	CLAMP, 1 5/8" (12.9660)	2	2	4	4	4		2				
	179816	BOLT, 5/16"-18X3/4" (12.9001)										1	
	120393	WASHER, 5/16" (12.9190)										1	
	103320	LOCKWASHER, 5/16" (12.9200)										1	
	220075	NUT, 5/16"-18 (12.9120)										1	
		4.8183 - BRACKET, BREATHER EXTENSION PIPE											
	5184291	CLIP (1 1/4" DIA.) (8.3820)	1	1	2	2							
	672272	CLIP, 1 5/16" VINYL		1								1	
	5124733	CLIP, 1 1/2" (4.8180)	1	1									
	5127861	BRACKET			1								
	5160425	SPACER, 13/32"I.D. (2.3267)			2								
	5160629	SPACER, 13/32"I.D.X7/32" (4.2270)				1							
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1	1									
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			1								
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)				1							
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)			1								
	103341	WASHER, 3/8" (12.9190)			1								
	103321	LOCKWASHER, 3/8" (12.9200)			1								

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6999	7099	7112	7113	7222	7227	7334	7338	7339	7444	7445	8117	8118
		4.8001 - PIPE ASSY., BREATHER													
9B	5197033	TUBE, 9.34" L. (IN CYL BLOCK)	2				1								
9B	5134765	* TUBE 3.42" L. (IN CYL BLOCK)				1					1				
9B	5104585	TUBE, 6.75" L. (IN CYL BLOCK)							1						
9F	5104816	TUBE, Y CONNECTION (IN CYL BLOCK)											1		1
9F	5140151	TUBE, 23 1/2" L. (TO RKR CVR BTHR)										2			
9E	5144820	TUBE (CROSSOVER, R. BANK)		1								1		1	
9E	5144822	TUBE (CROSSOVER, L. BANK)		1								1		1	
9F	5104817	TUBE (R. BANK TO Y CONNECTION)											1		1
	5148969	TUBE (TO CYLINDER HEAD)				1									
9A	5144828	TUBE (TO FLY HSG BTHR)			1				1		1				
	5147177	TUBE (ADAPTOR)			1					1					
	5144856	TUBE (APPROX. DEV. L. 13.94")									1				
9G	5144230	TUBE (CYL HD R. BANK)											1		
9G	5144261	TUBE (CYL HD L. BANK)											1		
	5102292	TUBE 12"L. (CYL. BLK. TO R & L BANK HD.)												2	
9H	8924116	HOSE, 72" L. (TO ROCKER COVER BREATHER TUBES)													2
	5146368	ELBOW ADAPTOR			1					1					
	5144734	FLANGE, BREATHER TUBE			1				1		1				
	5104151	BOLT, 1/4"-20X.62" W/SEAL PATCH (12.9001)			2					2		2	4	4	
9F	8921930	BOLT, 1/4"-20X.75" W/SEAL PATCH (12.9001)		4								2	6		
	5104594	BOLT, 1/4"-20X1.37" W/SEAL PATCH (12.9001)							2						
	179839	BOLT, 3/8"-16X1" (12.9001)			2	2				2	2				
	179838	BOLT, 3/8"-16X7/8" (12.9001)			2				2	2					
	103321	LOCKWASHER, 3/8" (12.9200)			2	2			2		2				
	103341	WASHER, 3/8" (12.9190)			2	1				2	1				
9F	120392	WASHER, 5/8" PLAIN (12.9190)													2
		* OBSOLETE.													
		4.8010 - EXTENSION, BREATHER TUBE													
	5121764	* HOSE (1.12 L.) (4.8175)	2				1								
	5151906	* HOSE (2.26" L.) (UPPER) (5.3330)	1									2			
9G	5138377	HOSE, 25" L. (CYL HD TO OIL PAN)											2		
	5104527	HOSE (1" L.) (SILICONE) (2.7030)				1									
	5104587	HOSE (1.12" L.)							1						
9G	5183079	ADAPTOR, 1" FLRD (9.1720)											2		
	272859	CLAMP 1 5/8" I.D. (12.9660)	4				2					4			
	2337379	CLAMP 1 1/2" I.D. (12.9660)	2												
	5104592	CLAMP 1" I.D.(MIN TYPE)(12.9660)				2			2						
9G	144116	ELBOW, 1" 45 DEG. (IN OIL PAN) (12.9590)											2		
		* USE 5120022, CUT TO LENGTH SHOWN													
		4.8013 - ELBOW, BREATHER													
	5130514	ELBOW (CYL. HEAD L.B.)	1				1								
	5104586	ELBOW							1						
9F	5104591	ELBOW, Y CONNECTION											1		1
	5133200	ELBOW	1												
9E	5144480	TEE, CROSSOVER CONNECTING		1								1		1	
	5104151	BOLT, 1/4"-20X.62" (W/SEAL PATCH) (12.9001)	2				2								
9F	5104604	BOLT, 1/4"-20X1.25" (4.8001)													2
	5104594	BOLT, 1/4"-20X1.37" (W/SEAL PATCH) (12.9001)							2				2		
	179839	BOLT, 3/8"-16 X 1" (12.9001)		2								2		2	

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 699	709	712	713	722	727	734	738	739	744	745	817	818
		4.8013 - ELBOW, BREATHER (CONT'D)													
	103321	LOCKWASHER, 3/8" (12.9200)		2								2		2	
	103341	WASHER, 3/8" (12.9190)		2								2		1	
	120392	WASHER, 5/8" (12.9190)													2
		4.8015 - GASKET, BREATHER ELBOW													
9F	5123812	GASKET (CYL HD CONNECTION)											2		
9E	5121894	GASKET, TEE CROSSOVER (4.8020)		1								1		1	
		4.8017 - SEAL, BREATHER ELBOW													
9E	5180314	SEAL RING (3.4044)		2	1									2	

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6999	7099	7112	7113	7222	7227	7334	7338	7339	7444	7445	8117	8118
		4.8020 - GASKET BREATHER TUBE													
	5121894	GASKET			1	1				1	1				
	5132331	GASKET							1						
		4.8039 - CLAMP, BREATHER TUBE													
	2337379	CLAMP 1 1/2" HOSE												2	
		4.8040 - CLIP, BREATHER TUBE													
9H	**5184291**	CLIP (1 19/32" L-3/8" BOLT) (8.3820)				2				1		2			
	672772	CLIP (1.56" DIA. 1/2" BOLT) (4.8180)												2	
9H	**5102313**	CLIP, 1.56" DIA.													2
	5160629	SPACER (4.2270)				1									
	179839	BOLT, 3/8"-16X1" (12.9001)												2	
9H	**186619**	BOLT, 3/8"-16 X 1 1/8" (12.9001)				1								2	
9H	**103321**	LOCKWASHER, 5/16" (12.9200)										2		4	
	103341	WASHER, 3/8" PLAIN (12.9190)												6	
	114493	NUT, 5/16"-24 (12.9120)										2			
	102635	NUT, 3/8"-16 (12.9120)												4	
		4.8042 - SUPPORT, BREATHER TUBE CLIP													
9H	**5109000**	BRACKET										2			
	5181339	BRACKET												2	
		4.8050 - BODY, BREATHER OR SEPARATOR													
	5145592	BODY			1				1		1				
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			1				1		1				
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			2				2		2				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			3				3		3				
	103321	LOCKWASHER, 38" (12.9200)			6				6		6				
		4.8055 - SHELL, BREATHER													
	5113734	SHELL			1				1		1				
		4.8070 - GASKET, BREATHER BODY OR SEPARATOR													
	5104507	GASKET			2				2		2				
		4.8170 - PIPE, BREATHER EXTENSION													
	5199575	HOSE, DEV L 21.67" (12.8550)				2			1						

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6999	7009	7112	7113	7222	7227	7334	7338	7339	7444	7445	8117	8118
		4.8175 - HOSE, BREATHER EXTENSION													
9F	**3290750**	* HOSE (3.26" L.)				1				1					
9F	**5104959**	HOSE (1.75" L.)											1		1
9F	**5104960**	HOSE (1.50" L.)											1		1
	5199583	FITTING, HOSE (12.8552)				4			1						
		* USE 5120022, CUT TO DESIRED LENGTH													
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE													
	272859	CLAMP 1 5/8" I.D. (12.9660)				2				2					
9F	**5104958**	CLAMP, 2" I.D.											2		2
9F	**5104592**	CLAMP, 1 1/2" I.D.				4			2						2
9H	**5186840**	CLAMP, 1" (12.9660)													2
		4.8190 - TUBE, BREATHER TUBE TO DRAIN TANK													
	5103330	TUBE ASSY. (4.8170)		1											
	5103360	TUBE ASSY. (4.8170)		1											

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7466	7467	7468	7557	7559	7611	7668	7684	7855	8001	8022	8110
		4.8001 - PIPE, BREATHER												
9F	5104816	TUBE, Y CONNECTION (PRESS IN BLK)	1	1	1									1
9F	5104817	TUBE (R. BANK TO Y CONNECTION)	1	1	1									1
9H	5143444	TUBE, 12.75" DEV. L. (ROCKER COVER BTHR)	2								2			
9G	5144227	TUBE (CYL HD. L. BANK FRONT - R BANK REAR)		1					2	2				
9G	5144252	TUBE (CYL HD, R. BANK FRONT - L BANK REAR)		1			2		1	1				
9G	5107606	TUBE (CYL HD, R. BANK FRONT)							1	1				
	8920988	TUBE (BTHR. L. BANK)									1			
	8922338	TUBE (BTHR.)										2		
9E	5144822	TUBE (CROSSOVER L. BANK)					1		1	1		1	1	
9E	5144820	TUBE (CROSSOVER R. BANK)					1		1	1	1	1	1	
9G	5106280	TUBE (CYL HD L. BANK, FRONT)					1							
9G	5106281	TUBE (CYL HD R. BANK, REAR)					1							
9G	5104151	BOLT, 1/4"-20 X .62" W/SEAL PATCH (12.9001)					2							
	5104152	BOLT, 1/4"-20X.75" (12.9001)	2	6	2		10		12	12	2	4	4	2
	5104594	BOLT, 1/4"-20X1.37" W/SEAL PATCH (12.9001)									2			2
	120392	WASHER, 9/32" (12.9190)	2	2	2									4
		4.8010 - EXTENSION BREATHER TUBE												
	5120022	HOSE, 2.26" L.										2		
	272859	CLAMP, 1 5/8" (12.9660)										4		
		4.8013 - ELBOW, BREATHER												
9F	5104591	ELBOW, Y CONNECTION	1	1	1									1
9E	5144480	TEE, CROSSOVER CONNECTION					1		1	1	1	1	1	
9F	5104594	BOLT, 1/4"-20X1.37" (12.9001)	2	2	2									
	179839	BOLT, 3/8-16 X 1" (12.9001)					2		2	2	2	2	2	
	103321	LOCKWASHER, 3/8" (12.9200)					2			1	2			
9F	120392	WASHER, 9/32" (12.9190)	2	2	2									
9F	103341	WASHER, 3/8" (12.9190)					1		2	1	1	1	1	
		4.8015 - GASKET, BREATHER ELBOW												
9F	5123812	GASKET (TO CYL HD.)	2	1										
9E	5121894	GASKET, TEE CROSSOVER					1		1	1	1	1	1	
		4.8017 - SEAL, BREATHER ELBOW												
9E	5180314	SEAL, RING .859" X .139" (3.4044)					2		2	2	2	2	2	
		4.8020 - GASKET, BREATHER TUBE												
9B	5123812	GASKET (TO CYL HD.)		3			6							
		4.8040 - CLIP, BREATHER												
9H	5184291	CLIP, 1 1/4" DIA (8.3820)	2								2			
	5160629	SPACER, 13/32" X 7/32" (4.2270)									1			
9H	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)									1			

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 746	747	748	757	759	761	768	784	785	801	802	810
		4.8043 - BREATHER, PLUG HOLE												
	5106236	PLATE				2								
	5103646	SEAL				1								
	5106948	PLATE				1								
	5103642	SCREW, #10-24X.375" LOCK				9		6						
		4.8055 - SHELL, BREATHER												
	5103648	SHELL (INCLUDES TUBE)						2						
	5108183	SHELL (INCLUDES TUBE)				1								
	5103647	RETAINER				2		2						
		4.8057 - GASKET, BREATHER SHELL COVER												
	5103646	SEAL				2		2						
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR												
	5101760	ELEMENT, BREATHER				1		2						
	5103636	RETAINER				1		2						

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7466	7477	7488	7557	7599	7611	7688	7884	7885	8001	8022	8110
		4.8170 - PIPE, BREATHER EXTENSION												
	5138377	HOSE, 25" L. (4.3001)		1										
	5186447	HOSE, 20 1/2" L. (9.1730)		1					1	2				
	5137643	HOSE, 22" L. (4.3020)							1					
	5137686	HOSE, 32" L. (4.3001)					1							
	5177502	HOSE, 28 1/2" L. (9.1730)					1							
	5125788	HOSE, 23 1/2" L. (9.1720)					2		1	1				
	5138542	HOSE, 18" L. (12.4375)							1	1				
	8922373	HOSE, 38" L. (12.4375)												2
	5117567	CONNECTOR, 3/8" (3.5720)					2							
	144116	ELBOW, 1"-45 DEG. (12.9590)												
	108687	ELBOW, 1"-90 DEG. STRT. (12.9510)		2			2		2	1				
	119100	ELBOW, 1"-90 DEG. (12.9600)								1				
	3291272	ELBOW, 1/2"-90 DEG. PIPE (TO BLK) (12.9510)							1	1				
	115226	BUSHING, 1" X 3/8" RD (12.9570)					2							
	127874	NIPPLE, 1" X 1 1/2" PIPE (12.9560)					1							
	191492	NIPPLE, 1"X2" PIPE (12.9560)								1				
	115237	TEE 1" PIPE (12.9616)					1							
9G	218703	TEE, 1" PIPE, STRT (12.9616)					3							
		4.8175 - HOSE, BREATHER EXTENSION												
9F	5104959	HOSE, 1.75" L.	1	1	1									1
9F	5104960	HOSE, 1.50" L.	1	1	1									1
9B	5115995	* HOSE, 7.50" L.	2											
	3290750	HOSE, 3.26" L.									2			
		* NOT SERVICED USE 5120022 CUT TO DESIRED LENGTH.												
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE												
9F	5186840	CLAMP, 1" I.D. (12.9660)												2
9F	5104958	CLAMP, 2" I.D. (12.9660)	2	2	2									2
9F	5104592	CLAMP, 1 1/2" I.D. (12.9660)	2	2	2									2
	272859	CLAMP, 1 5/8" I.D. (SPRING TYPE)	4								4			
	9139801	CLAMP, 5/8" I.D. (12.9660)							2	2				
	5101020	STRAP, NYLON (2.5255)												1

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8244	8444	8449	8502
		4.8001 - PIPE, BREATHER				
	8924341	TUBE ASSY. (ADAPTOR TO CYL. HEAD)	1			
9E	**8927108**	TUBE ASSY. (L. BANK)		1	1	1	1
9E	**8927111**	TUBE ASSY. (R. BANK)		1	1	1	1
9G	**5144227**	TUBE ASSY. (FRONT)				1	
9G	**5144252**	TUBE ASSY. (REAR)				2	
9G	**5106281**	TUBE ASSY. (REAR) (4.8190)				1	
9H	**5133966**	TUBE (BREATHER ROCKER COVER OUTLET) (27.32" DEV. L.)		2			
9H	**5140151**	TUBE (BREATHER ROCKER COVER OUTLET) (1 1/4"X23.46")					2
9G	**5177502**	HOSE ASSY., 7/8"X28.50" L. NO. 16 FRONT (9.1730)				1	
9G	**5137686**	HOSE ASSY., 7/8"X32" L. NO. 16 FRONT (4.3001)				1	
9G	**5125788**	HOSE ASSY., 7/8"X23.50" L. NO. 16 REAR (9.1720)				1	
9G	**5186447**	HOSE ASSY., 1"X20.50" L. NO. 16 REAR (9.1730)				1	
	218703	TEE, 1" PIPE STREET (9.9530)				4	
	8925129	ELBOW, 90 DEG. 1" STREET (12.9590)				3	
9E	**5104151**	BOLT, 1/4"-20X.62" (12.9001)			4	4	
9E	**8921930**	BOLT, 1/4"-20X.72"-.75" (12.9001)	2	4		8	4
		4.8013 - ELBOW, BREATHER				
9E	**5146368**	ELBOW, BREATHER CONNECTOR	1			
9E	**8927113**	TEE, BREATHER CONNECTOR		1	1	1	1
9E	**179839**	BOLT, 3/8"-16X1" (12.9001)	2				
9E	**5101377**	BOLT, 3/8"-16X1" (5.2020)		1	1	1	1
9E	**8927436**	SCREW, 3/8"-16X.985" (FLAT HEAD) (12.9065)		1	1	1	1
9E	**103341**	WASHER, 3/8" (12.9190)	2	1	1	1	1
		4.8015 - GASKET, BREATHER ELBOW				
9E	**5121894**	GASKET	1	1	1	1	1
		4.8017 - SEAL, BREATHER ELBOW				
9E	**5196222**	RING, SEAL .734"X.139" (9.1160)		2	2	2	2
9E	**5180314**	RING, SEAL .859"X.139" (3.4044)	1				
		4.8175 - HOSE, BREATHER EXTENSION				
9H	**5120022**	* HOSE, 1 1/4"X27" L. (CUT 5.75") (4.8010)		2			2
		* STD. LENGTH HOSE. CUT TO LENGTH SHOWN.					
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE				
9H	**272859**	CLAMP, 1 5/8" I.D. (12.9660)		4			4

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4.8000A VENTILATING SYSTEM

4.8183 - BRACKET, BREATHER EXTENSION PIPE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8244	8444	8449	8500	8552
9H	**5127861**	BRACKET (7.1587)		1			
9H	**5184291**	CLIP, 1 1/4" (8.3820)		2			1
	5160425	SPACER, 13/32"X23/32" (2.3267)		2			
9H	**179838**	BOLT, 3/8"-16X7/8" (12.9001)		1			2
9H	**186628**	BOLT, 3/8"-16X1 1/2" (12.9001)		1			
9H	**186318**	BOLT, 3/8"-24X5 1/4" (12.9001)		1			
9H	**103321**	LOCKWASHER, 3/8" (12.9200)		1			2

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.8045 - BREATHER ASSY.														
	5110384	BREATHER ASSY.	1													
	5162695	# BREATHER ASSY.		1												
	5132427	# BREATHER ASSY.			1											
	5132446	# BREATHER ASSY.				1										
		# NOT SERVICED; USE COMPONENTS.														
		4.8050 - SEPARATOR, BREATHER OIL														
	5109976	BODY		1												
	5132416	* BODY			1											
	5135690	* BODY				1										
		* NOT SERVICED; REPLACE WITH 1-5145592 BODY, 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.														
		4.8055 - SHELL, BREATHER														
	5117524	@ SHELL		1	1											
	5129603	SHELL				1										
9D	**2443795**	COVER ASSY. (4")	1													
9D	**2443793**	CLAMP ASSY.	1													
	5117523	SPACER, 9/16" DIA.X3.12"L. (4.8005)		1	1	1										
	186272	BOLT, 5/16"-18X4" (12.9001)		1	1	1										
	120393	WASHER, 5/16" FLAT (12.9190)		1	1	1										
		@ NOT SERVICED; REPLACE WITH 1-5113734 SHELL, 1-5101760 ELEMENT AND 2-5104507 GASKETS.														
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR														
	5129604	PAD, BREATHER		1	1	1										
		4.8070 - GASKET, BREATHER SEPARATOR														
9D	**5144038**	GASKET BOLT, 3/8"-16X1" (12.9001)	1													

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C *Crankshaft Pulley*
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A *Fuel Injector*
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A *Hydraulic Governor*
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B *Blcer End Plate Cover*
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A *Ventilating System*

5.0000 **COOLING SYSTEM**
- **5.1000 Fresh Water Pump**
- **5.1000A Fresh Water Pump Cover**
- **5.2000A Water Outlet Manifold and/or Elbow**
- **5.2000B Thermostat**
- **5.2000C Water Bypass Tube**
- **5.3000A Radiator**

5.0000 **COOLING SYSTEM (CONT'D)**
- **5.3000B Water Connections**
- **5.4000A Fan**
- **5.4000B Fan Shroud**
- **5.5000A Heat Exchanger or Keel Cooling**
- **5.6000A Raw Water Pump**
- **5.7000A Water Filter**

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B *Automatic Starting*
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A *Air Heater*
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service *Kits and Sets*
- 12.8000D Miscellaneous Service Parts

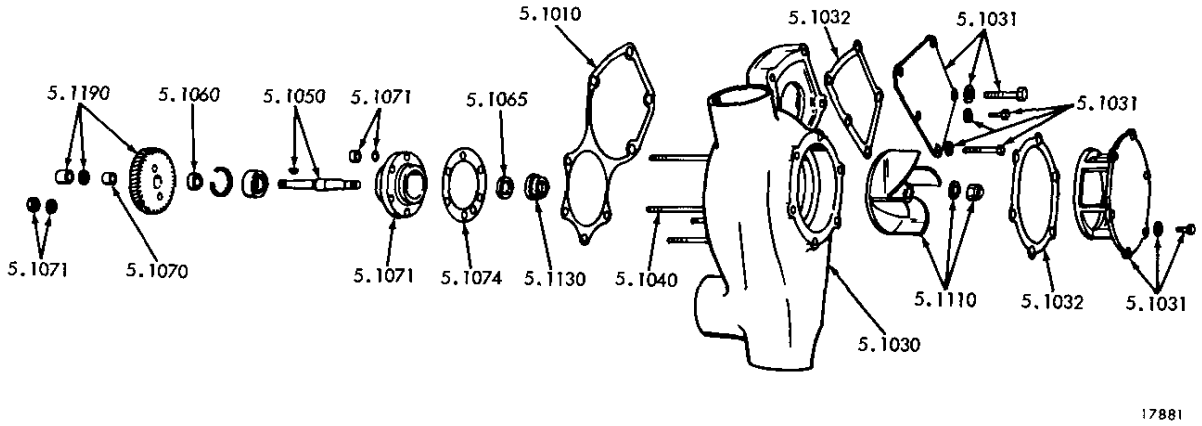

FIG. 1A FRESH WATER PUMP (16V Former Design)

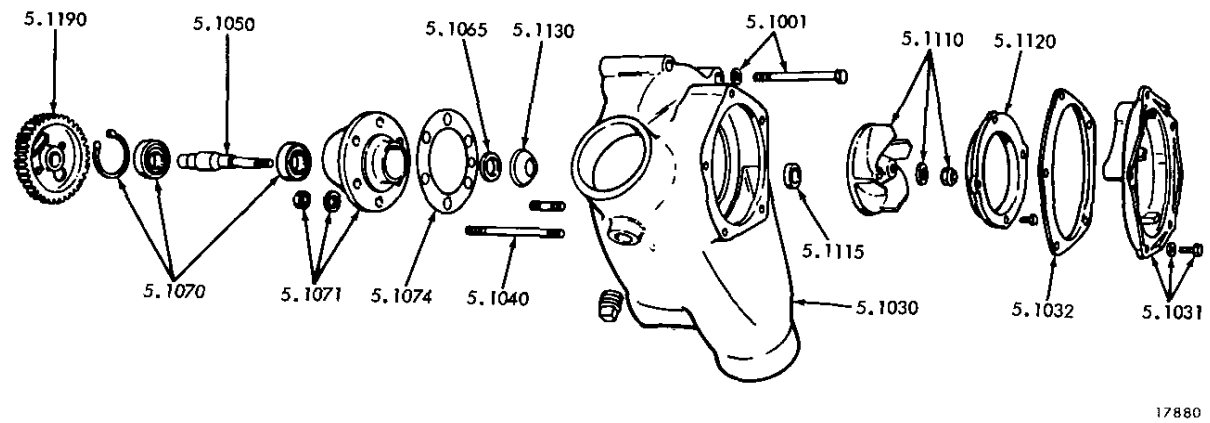

FIG. 1B FRESH WATER PUMP (16V Wide Inlet)

FIGS. 1A & 1B Of 5.0000

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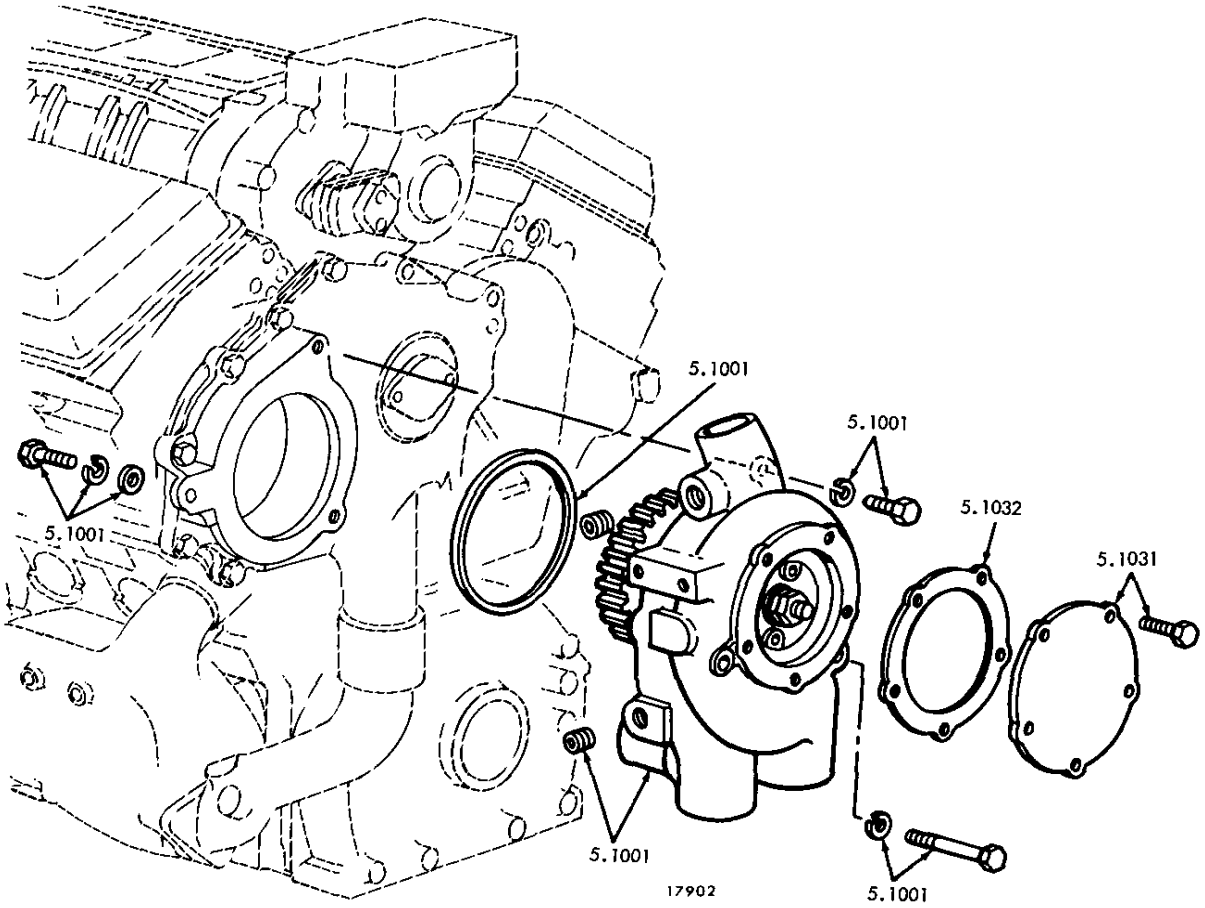

FIG. 1C FRESH WATER PUMP INSTALLATION (8V-71)

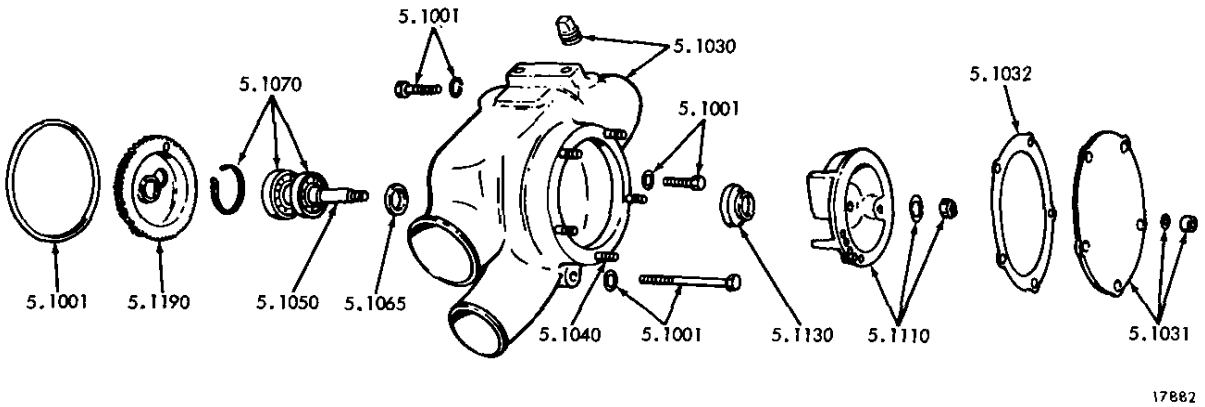

FIG. 1D FRESH WATER PUMP (6,8,12V)

Figs. 1C & 1D Of 5.0000

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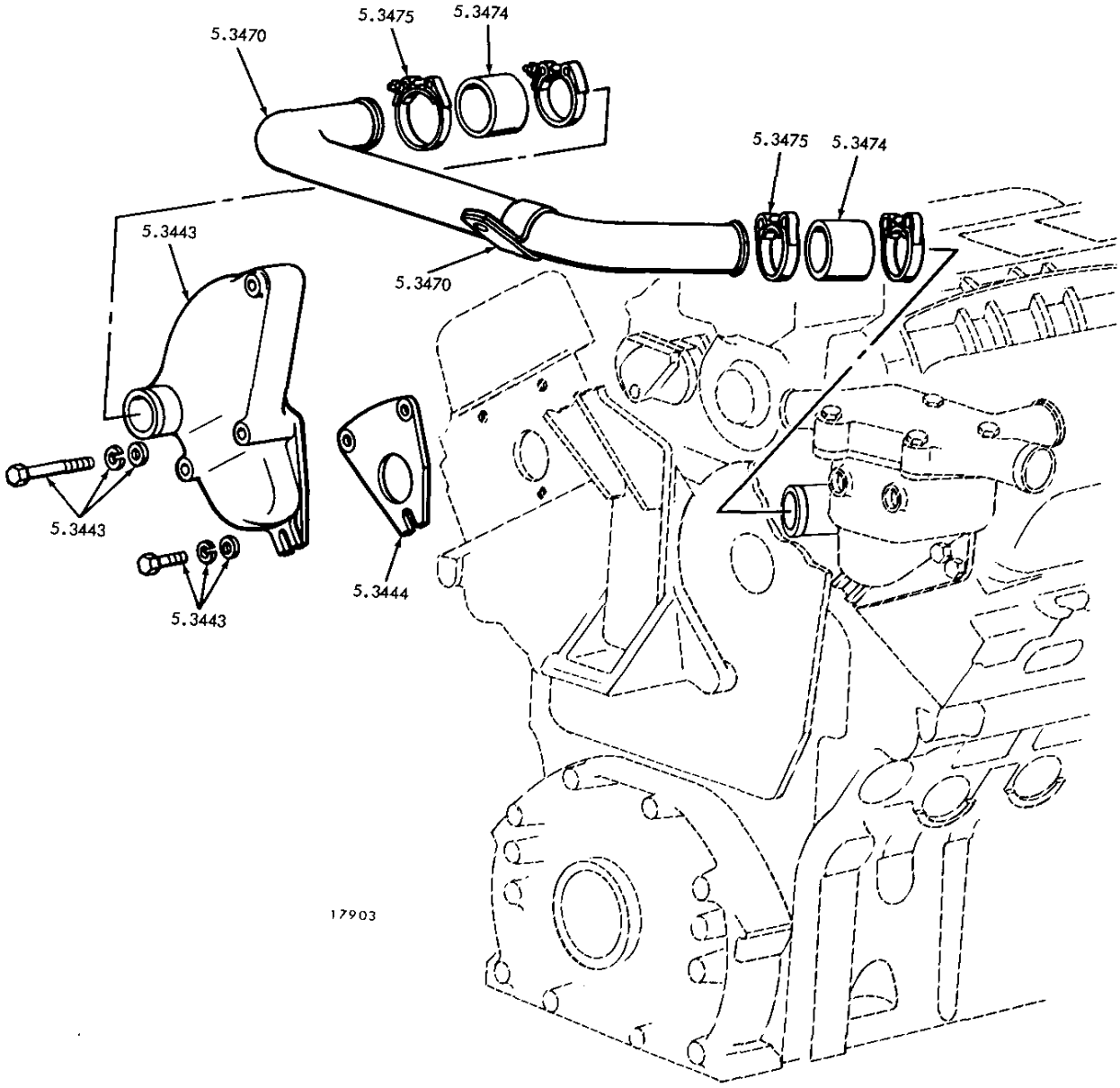

FIG. 1E WATER CONNECTIONS (8V-71)

FIG. 1E Of 5.0000

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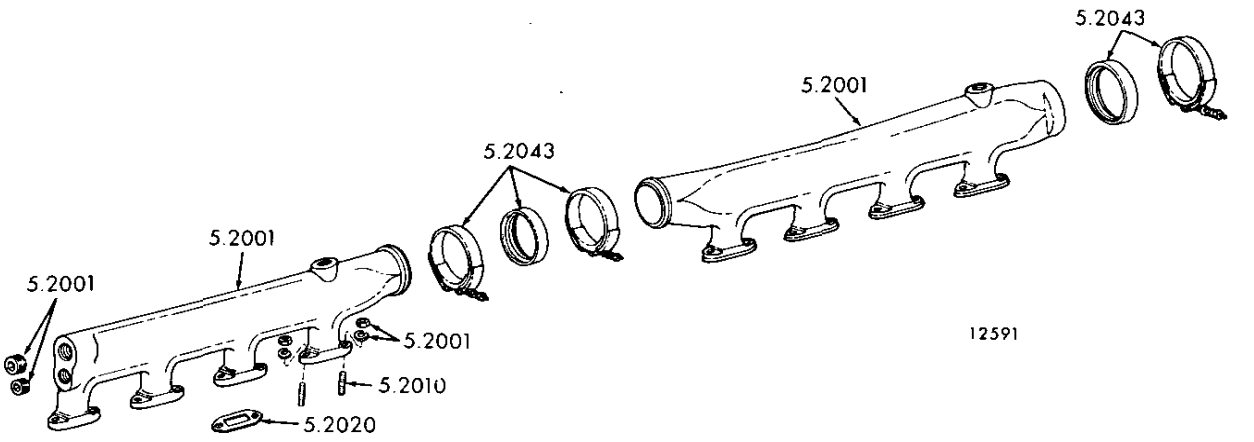

FIG. 2A WATER MANIFOLD (16V)

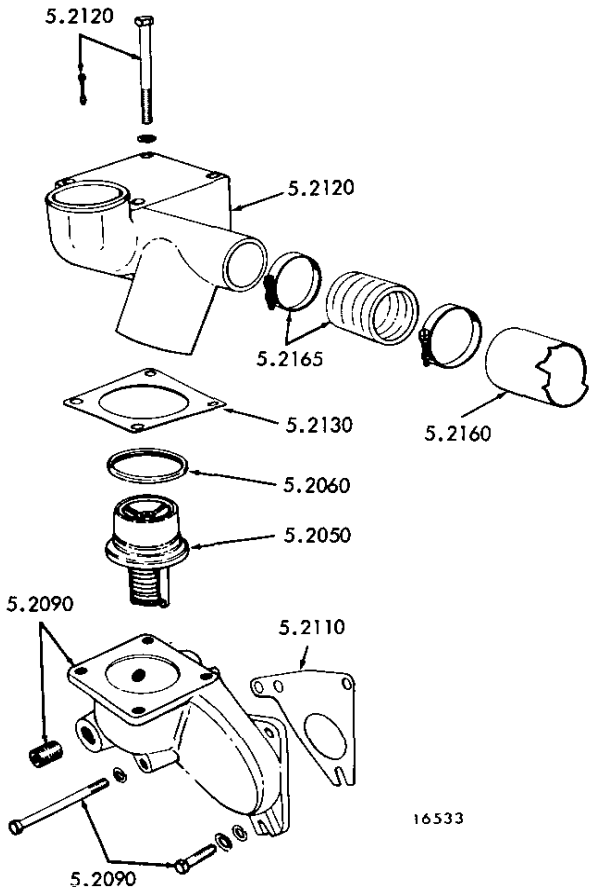

FIG. 3A RIGHT BANK

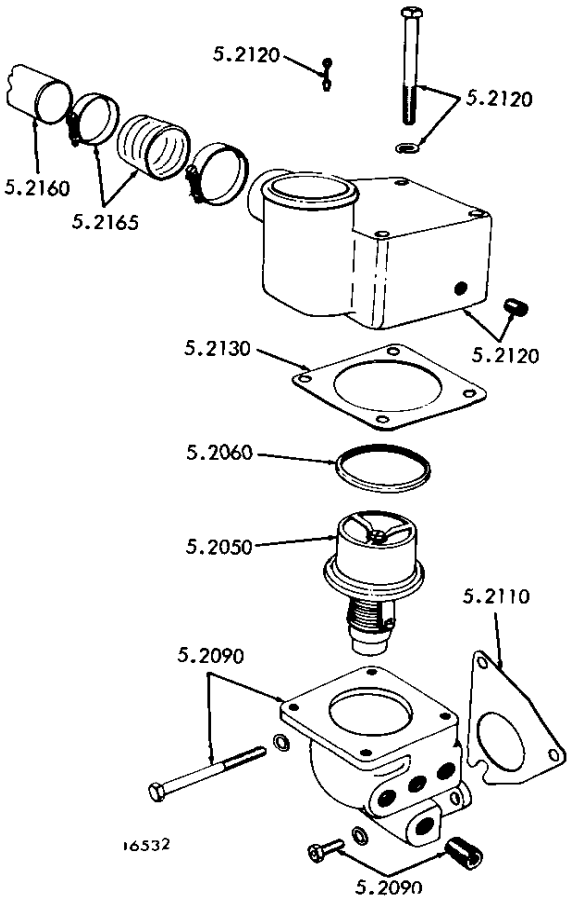

FIG. 3B LEFT BANK

THERMOSTAT AND WATER BY PASS TUBE

Figs. 2A, 3A & 3B of 5.0000

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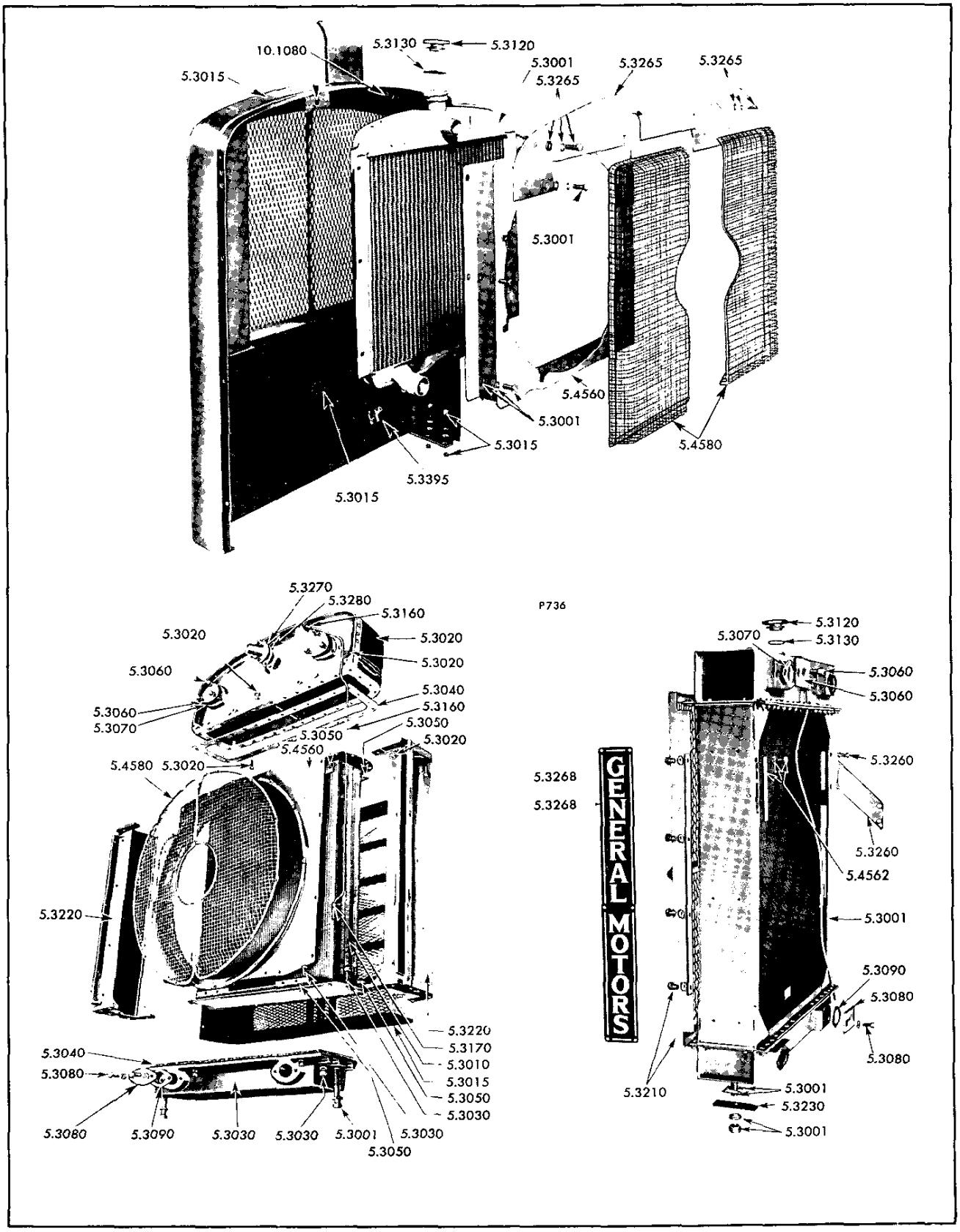

Figs. 4A, 4B & 4C of 5.0000

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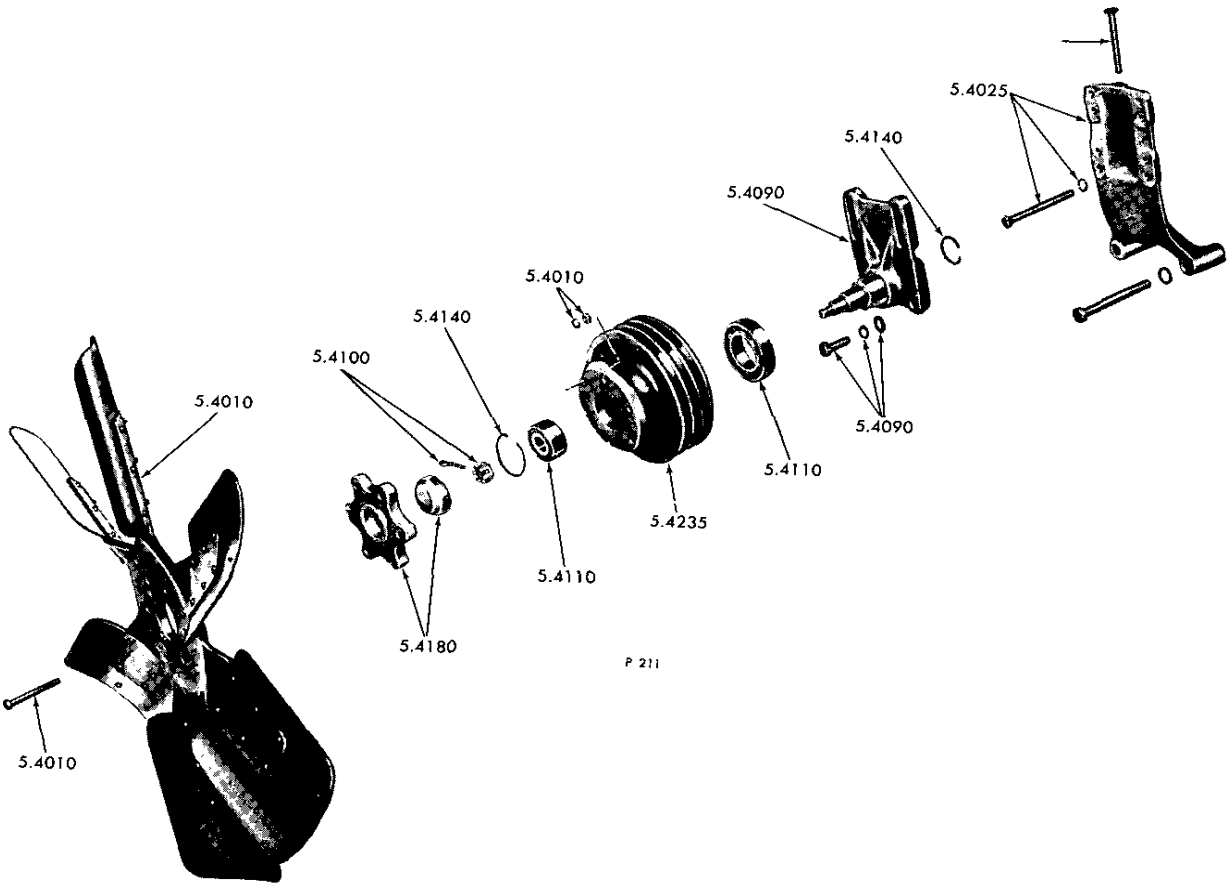

FIG. 6A FAN

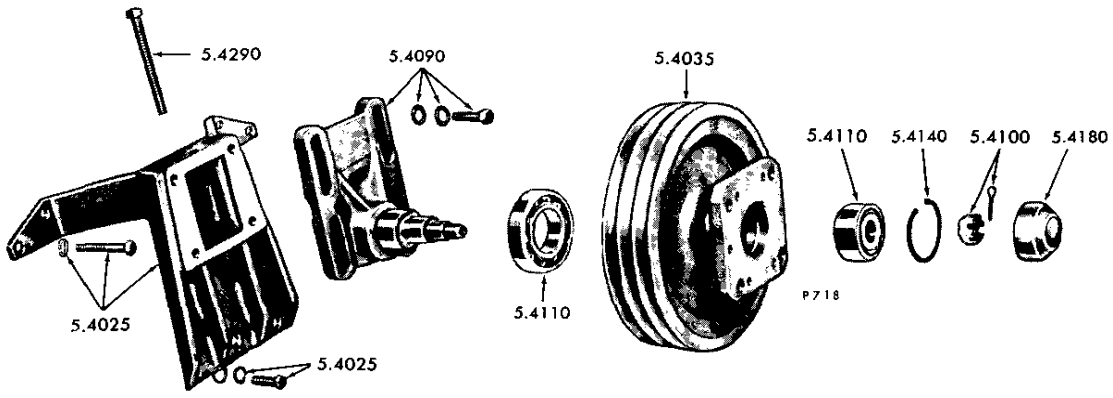

FIG. 6B FAN (Pulley, Hub and Support) (16V)

Figs. 6A & 6B of 5.0000

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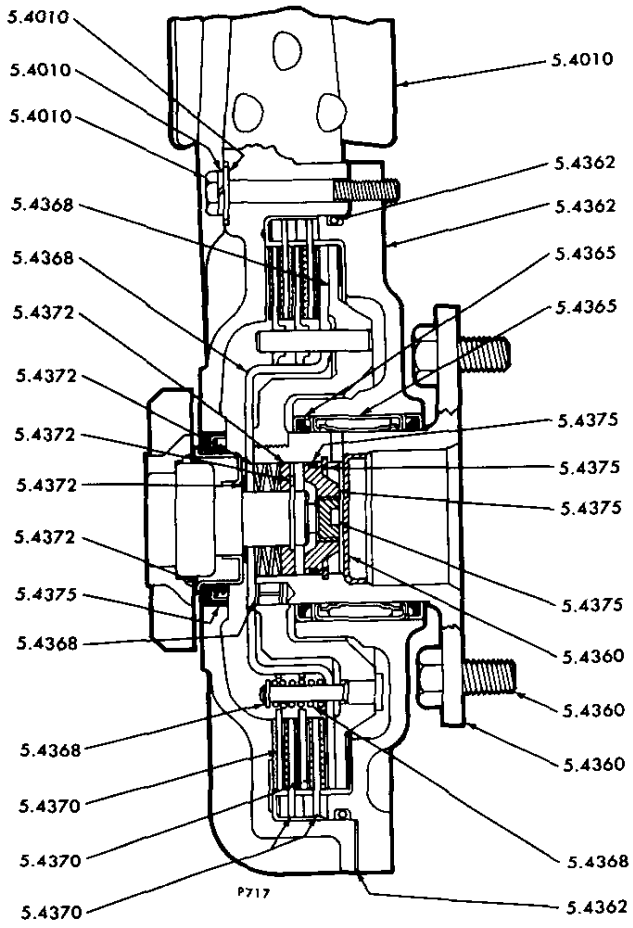

FIG. 6C FAN (Thermo-Modulated)

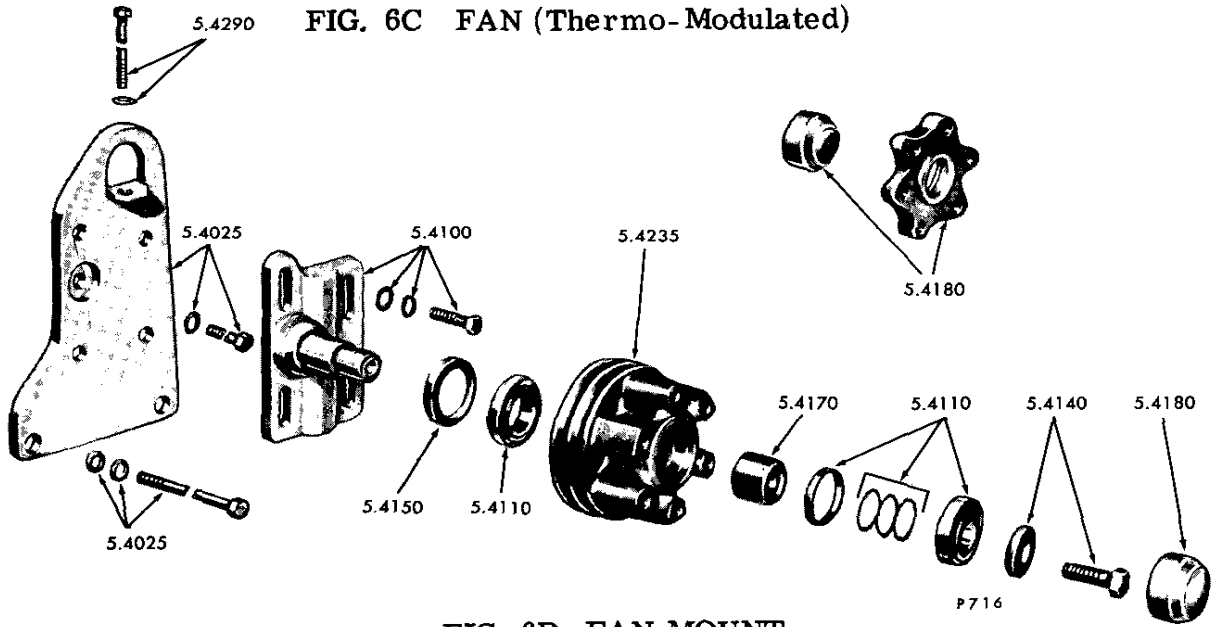

FIG. 6D FAN MOUNT

Figs. 6C & 6D of 5.0000

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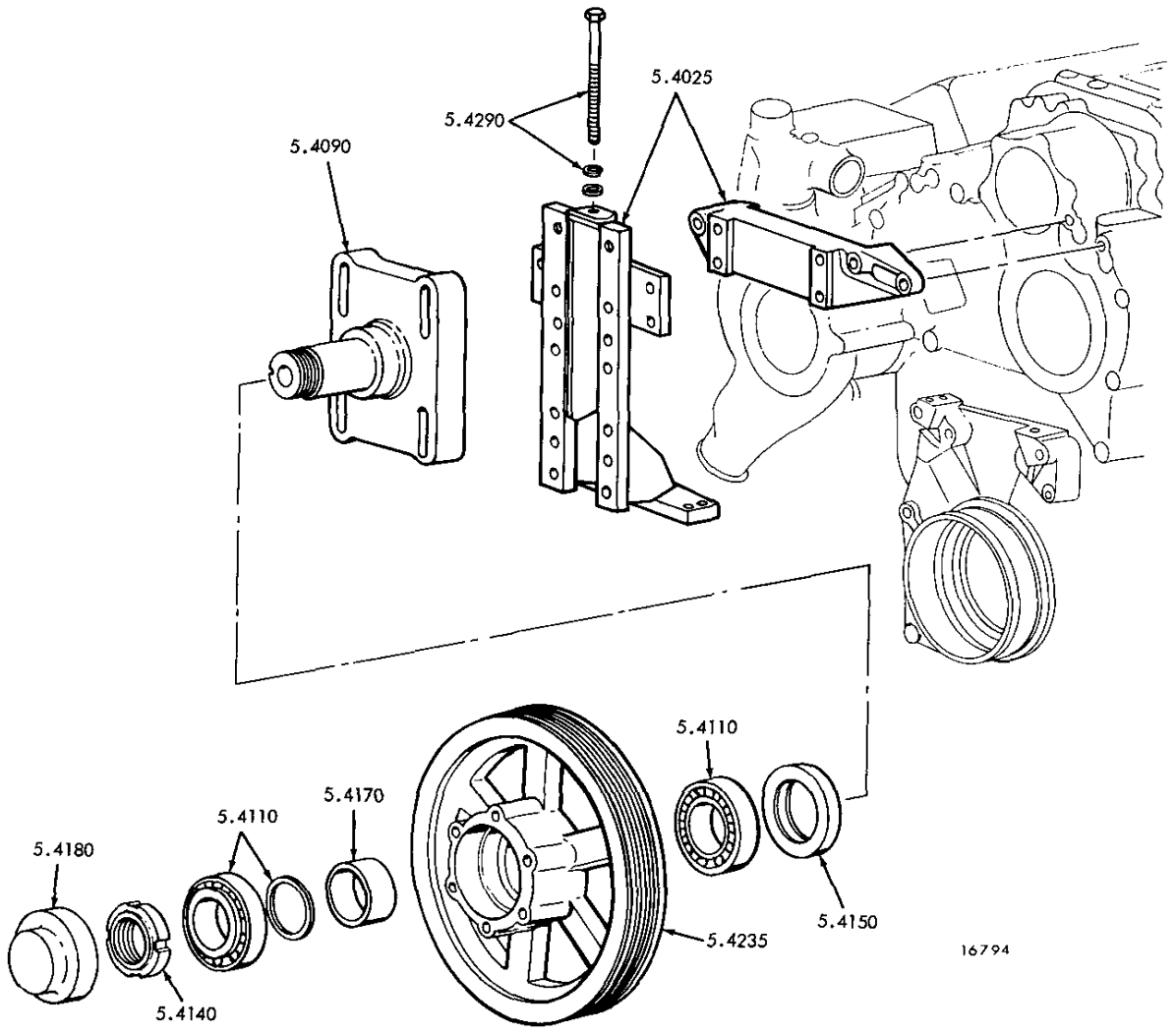

FIG. 6E FAN (Pulley, Hub and Support 16V-71)

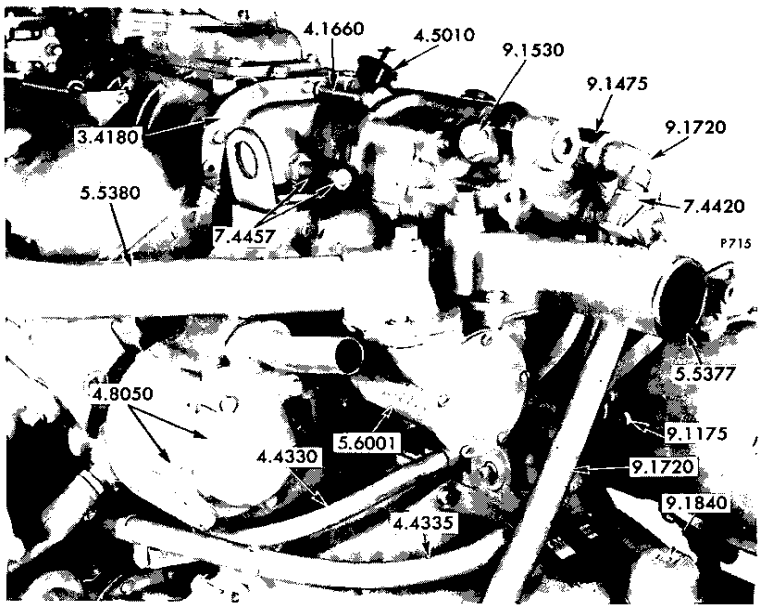

FIG. 7A WATER CONNECTIONS

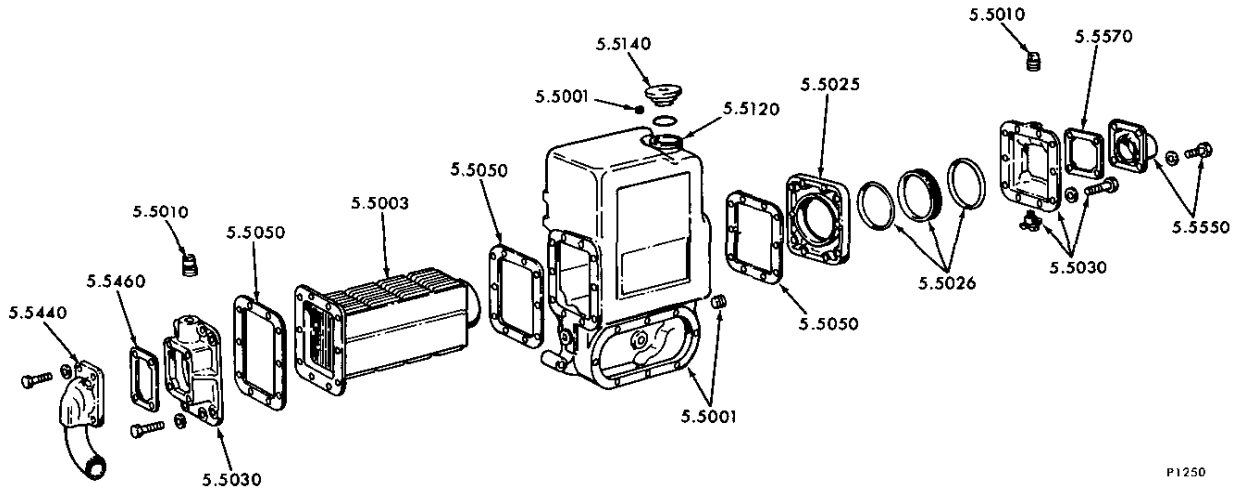

FIG. 7B HEAT EXCHANGER

Figs. 7A & 7B of 5.0000

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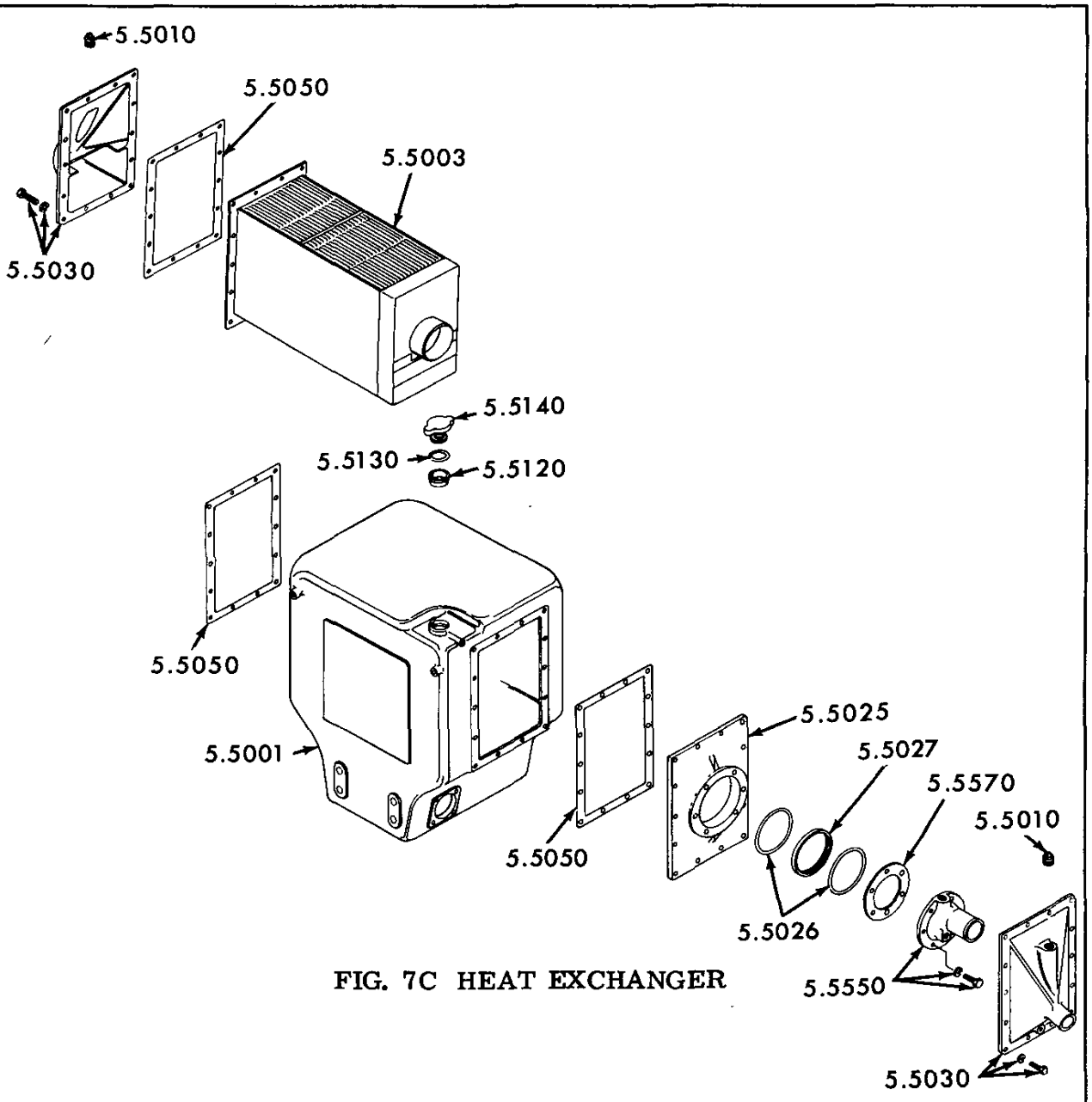
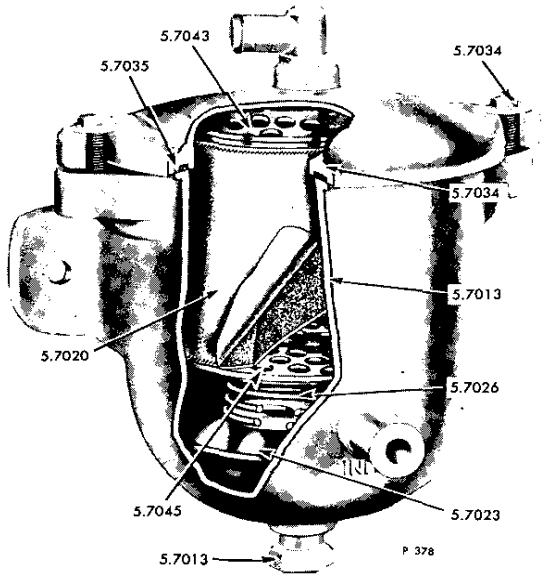


FIG. 7C HEAT EXCHANGER

Figs. 7C of 5.0000

FIG. 9A
WATER FILTER



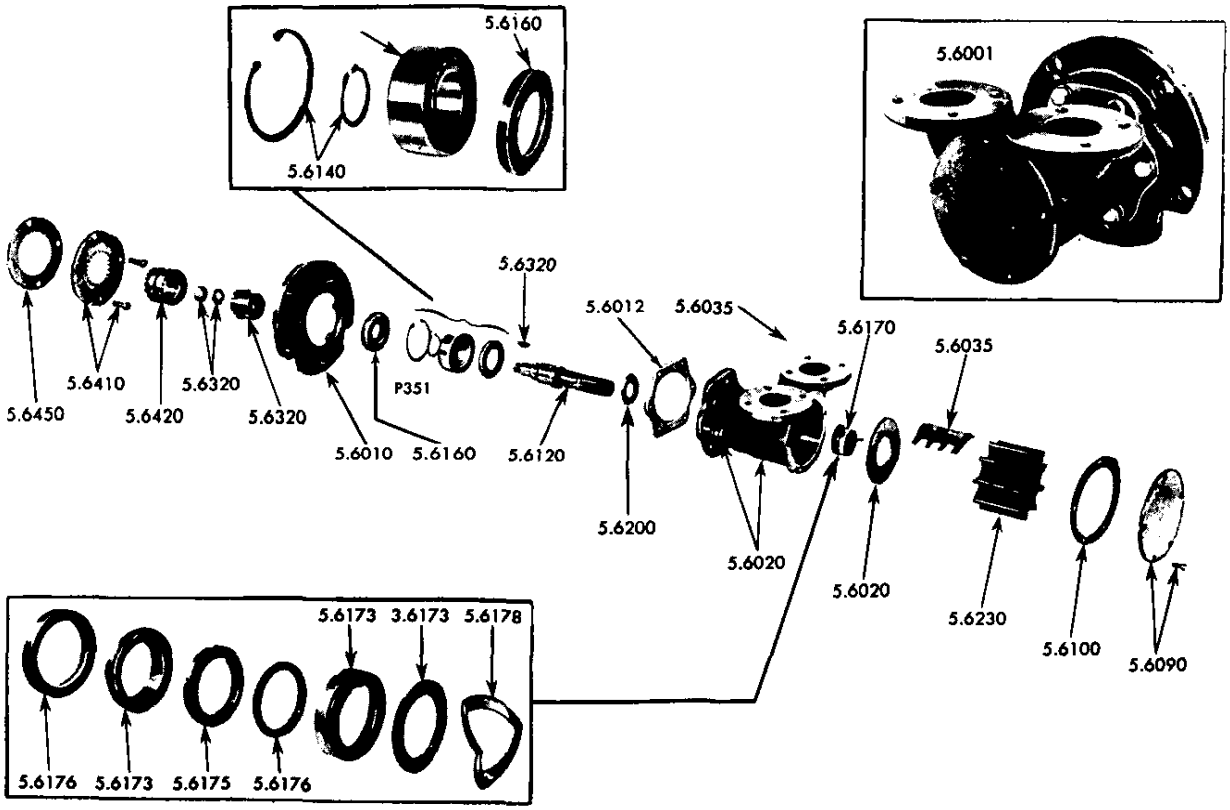


FIG. 8A RAW WATER PUMP

Figs. 8A & 9A of 5.0000

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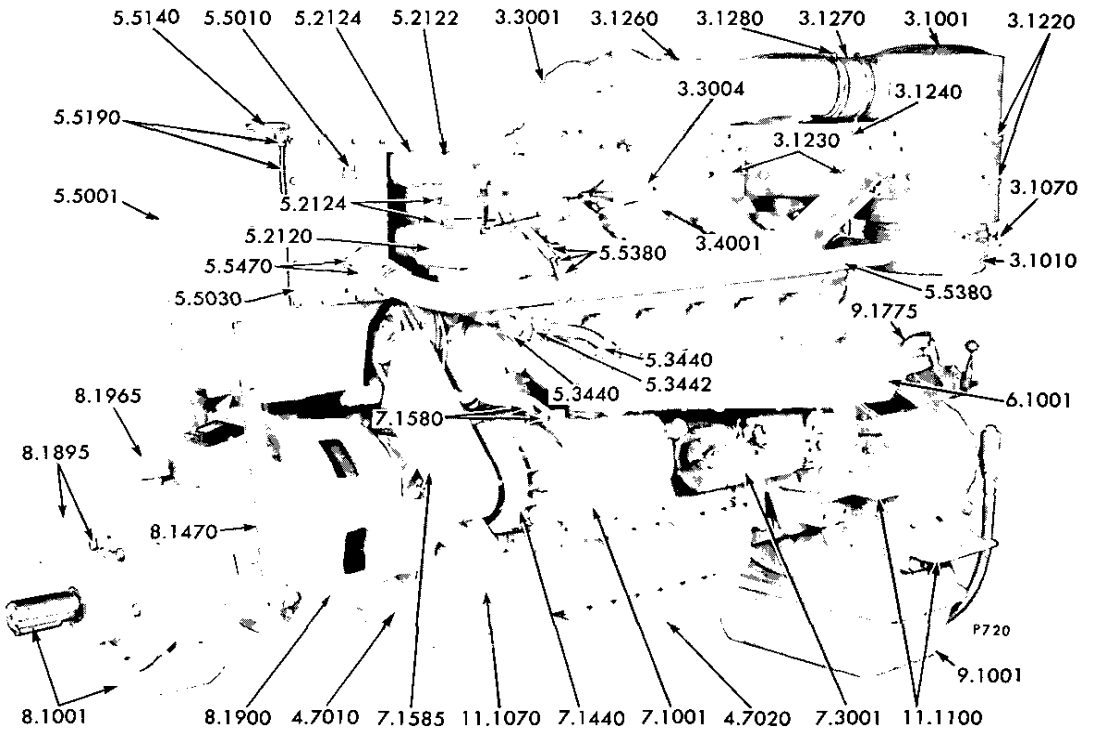

FIG. 10A

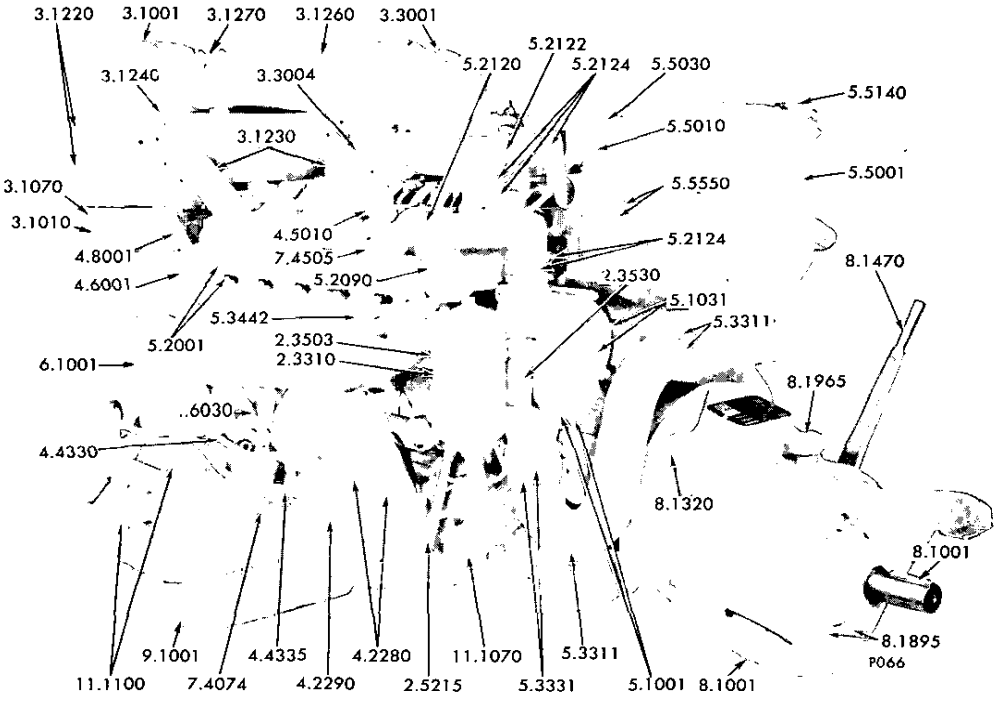

FIG. 10B

Figs. 10A & 10B of 5.0000

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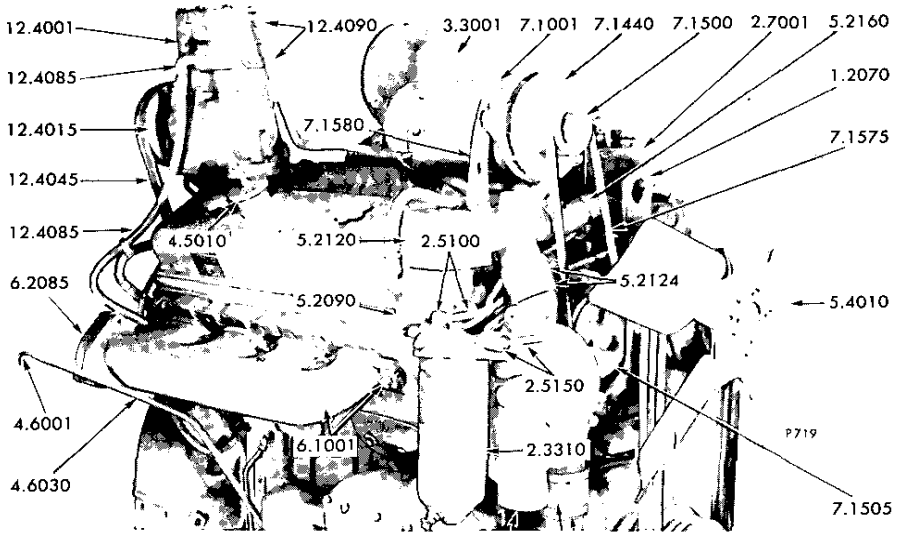

FIG. 10C

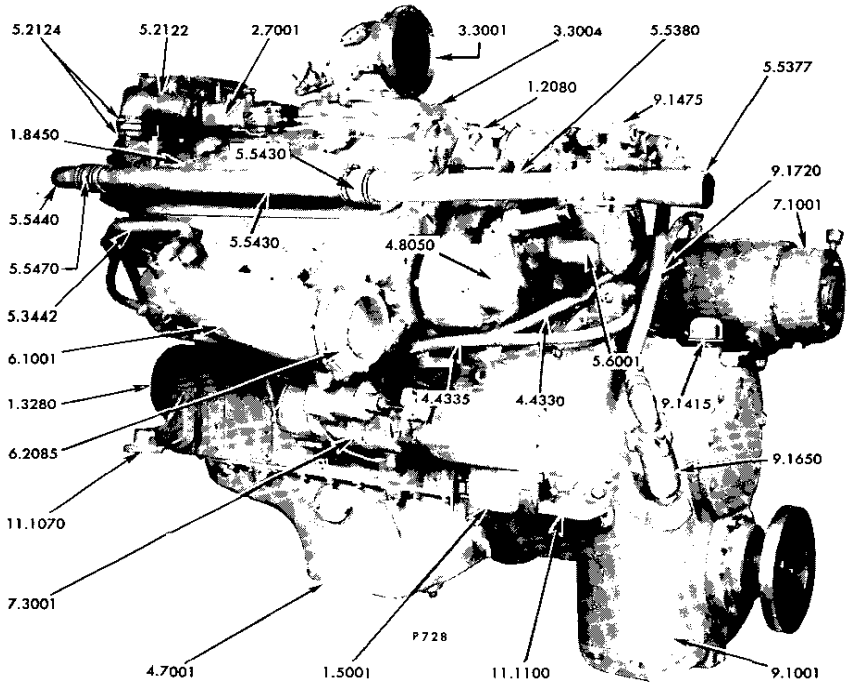

FIG. 10D

Figs. 10C & 10D of 5.0000

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 42	43	49	63	66	73	75	76	79	84	87	88
		5.1001 - PUMP ASSY., FRESH WATER												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
1A	**5130960**	* PUMP ASSY. (PAGE A1) (5149326)	1											
1A	**5126967**	* PUMP ASSY. (PAGE A1) (5149321)		1										
1A	**5135700**	* PUMP ASSY. (PAGE A1) (5149328)			1									
1A	**5130797**	* PUMP ASSY. (PAGE A1) (5149330)				1								
1B	**5126785**	* PUMP ASSY. (PAGE A1) (5149332)					1							
1B	**5108487**	* PUMP ASSY. (PAGE A1) (5149336)						1						
1B	**5108449**	* PUMP ASSY. (PAGE A1) (5149332)							1					
1B	**5108723**	* PUMP ASSY. (PAGE A1) (5149336)								1				
1B	**5109590**	* PUMP ASSY. (PAGE A1) (5149332)									1			
1A	**5149323**	PUMP ASSY. (PAGE A1)										1		
1B	**5132083**	* PUMP ASSY. (PAGE B1) (5149332)											1	
1B	**5132081**	* PUMP ASSY. (PAGE B1) (5149336)												1
	5103544	RING, SEAL (.139"X5.109"I.D.)	1	1	1	1						1		
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1	1						1	1	1	1
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)									2		2	2
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	2	1	2							1		
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)				1								
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)				1								
	454939	BOLT, 7/16"-14X4" (12.9001)	1		1	1								
	190909	BOLT, 7/16"-14X5" (12.9001)		1								1		
	187425	BOLT, 7/16"-14X5 1/4" (12.9001)		1								1		
	103342	WASHER, 7/16" FLAT (12.9190)	1	1	1	1						1		
	103321	LOCKWASHER, 3/8" (12.9200)									2		2	2
	103322	LOCKWASHER, 7/16" (12.9200)	3	3	3	3						3		
		* NOT SERVICED. COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PART NO. SHOWN IN PARENTHESES.												
		@ REQUIRES GEAR SHOWN IN 1.7200 *AND WEIGHTS IN 1.7140 FOR UNITS* THRU 6VA-2908, 8VA-566 AND 12VA-457.												
		5.1002 - RECONDITIONING KIT, FRESH WATER PUMP												
		A RECONDITIONING KIT INCLUDES SEAL RING IN 5.1001, BEARINGS AND LOCKRING IN 5.1070, IMPELLER AND NUT IN 5.1110 AND ITEMS IN 5.1032, 5.1050, 5.1065 AND 5.1130. A ROTATING ASSY. INCLUDES ITEMS IN 5.1050, 5.1065, 5.1070, 5.1071, 5.1130 AND 5.1190.												
	5197508	KIT, RECONDITIONING			AR									
	5197509	KIT, RECONDITIONING	AR			AR								
	5197158	KIT, RECONDITIONING		AR										

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 42	43	49	63	66	73	75	76	79	84	87	88
		5.1002 - RECONDITIONING KIT, FRESH WATER PUMP (CONT'D)												
	5198576	KIT, RECONDITIONING										AR		
	5197438	ROTATING ASSY.					AR	AR	AR	AR	AR		AR	AR
		5.1010 - GASKET, FRESH WATER PUMP												
1B	**5128220**	GASKET					1	1	1	1				
	5109515	GASKET									1		1	1
		5.1031 - COVER, FRESH WATER PUMP BODY												
1B	**5128221**	COVER (DRIVE GEAR)					1	1	1	1				
1C	**5128223**	# COVER (WATER PUMP)					1		1		1		1	
1B	**5108489**	* COVER (WATER PUMP)						1		1				1
	114981	DRAINCOCK, 1/8" (12.9510)						1		1				
	186625	BOLT, 5/16"-18X7/8" (WITH LOCKWASHER) (12.9001)					6	6	6	6	6		6	6
	179839	BOLT, 3/8"-16X1" (12.9001)					1	1	1	1				
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)					1	1	1	1				
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)					3	3	3	3				
	5150568	WASHER, 7/16" (COPPER) (2.4050)					1	1	1	1				
	103320	LOCKWASHER, 5/16" (12.9200)					AR	AR	AR	AR	AR		AR	
	103321	LOCKWASHER, 3/8" (12.9200)					AR	AR	AR	AR				
	103323	LOCKWASHER, 1/2" (12.9200)					3	3	3	3				
		# NOT SERVICED; USE CONVERSION KIT 5198667.												
		* NOT SERVICED. USE 5143127 COVER.												
		5.1032 - GASKET, FRESH WATER PUMP BODY COVER												
1B,C	**5128224**	GASKET (COVER TO PUMP)							1		1		1	
	5141290	GASKET (COVER TO PUMP)					1	1		1				1
1B	**5128222**	GASKET (DRIVE GEAR COVER)					1	1	1	1				
1A	**5104507**	GASKET (END PLATE COVER) (1.1032)												1
		5.1074 - GASKET, FRESH WATER PUMP BEARING SUPPORT												
	5128224	GASKET (SUPPORT ASSY. TO END PLATE) (5.1032)					1	1	1	1	1		1	1
		5.1115 - REPLACEMENT KIT, FRESH WATER PUMP SEAL												
		INCLUDES CERAMIC INSERT AND ADHESIVE.												
	5197279	REPLACEMENT KIT, IMPELLER INSERT	AR	AR	AR	AR						AR		

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	91	99	101	104	105	130	131	132	135	143	144
		5.1001 - PUMP ASSY., FRESH WATER												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
1B	**5131841**	* PUMP ASSY. (PAGE B1) (5149336)	1		1	1								
1B	**5134411**	* PUMP ASSY. (PAGE B1) (5149332)		1										
1A	**5131798**	* PUMP ASSY. (PAGE C1) (5149328)					1							
1B	**5135762**	* PUMP ASSY. (PAGE B1) (5149335)						1						
1B	**5149332**	PUMP ASSY. (INDUSTRIAL) (PAGE B1)							1					
1A	**5141598**	* PUMP ASSY. (PAGE B1) (5149336)								1				
1B	**5149335**	PUMP ASSY. (REAR MTD.) (PAGE B1)									1			
1B	**5149336**	PUMP ASSY. (MARINE) (PAGE B1)										1		
1A	**5149322**	PUMP ASSY. (PAGE C1)											1	1
	5103544	RING, SEAL (.139"X5.109"I.D.)					1			1			1	1
	5121182	PLUG, 1/4" PIPE (12.9550)										1		
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1	1	1	1	1		1				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	1	1	1	1		1	1			1		
	215510	BOLT, 3/8"-16X5 3/4" (12.9001)							1			1		
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)					2			2			1	1
	454934	BOLT, 7/16"-14X2 1/2" (12.9001)		1										
	454939	BOLT, 7/16"-14X4" (12.9001)					1			1				
	190909	BOLT, 7/16"-14X5" (12.9001)											1	1
	187425	BOLT, 7/16"-14X5 1/4" (12.9001)											1	1
	103342	WASHER, 7/16" FLAT (12.9190)					1			1			1	1
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2		2	2		2	2		
	103322	LOCKWASHER, 7/16" (12.9200)					3			3			3	3
		* NOT SERVICED. COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PART NO. SHOWN IN PARENTHESES.												
		+ NOT SERVICED.												
		5.1002 - RECONDITIONING KIT, FRESH WATER PUMP												
		A RECONDITIONING KIT INCLUDES SEAL RING IN 5.1001, BEARINGS AND LOCKRING IN 5.1070, IMPELLER AND NUT IN 5.1110 AND ITEMS IN 5.1032, 5.1050, 5.1065 AND 5.1130. A ROTATING ASSY. INCLUDES ITEMS IN 5.1050, 5.1065, 5.1070, 5.1071, 5.1130 AND 5.1190.												
	5197508	KIT, RECONDITIONING					AR							
	5197509	KIT, RECONDITIONING								AR				
	5197158	KIT, RECONDITIONING											AR	AR
	5197438	ROTATING ASSY.	AR	AR	AR	AR		AR	AR		AR	AR		
		5.1003 - TUBE ASSY., WATER PUMP TO WATER MANIFOLD VENT												
	5134748	HOSE, FLEX. (#5X13 1/4") (12.3040)											1	1
	9432267	CONNECTOR, 3/8"X3/8" PIPE (12.9000)											1	1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG.											1	1

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	91	99	101	104	105	130	131	132	135	143	144
		5.1003 - TUBE ASSY., WATER PUMP TO WATER MANIFOLD VENT (CONT'D)												
		(12.9480)												
		5.1010 - GASKET, FRESH WATER PUMP												
	5109515	GASKET	1	1	1	1		1	1		1	1		
		5.1031 - COVER, FRESH WATER PUMP BODY												
1C	**5128223**	% COVER (WATER PUMP)		1				1						
1B	**5108489**	* COVER (WATER PUMP)	1		1									
	5139815	@ COVER (WATER PUMP)							1		1			
1C	**5143127**	# COVER (WATER PUMP)				1						1		
1C	**5107677**	COVER (END PLATE) (1.1020)	1	1	1	1		1			1			
	186625	BOLT, 5/16"-18X7/8" (WITH LOCKWASHER) (12.9001)	6	6	6	5		6	5		5	5		
	181360	BOLT, 3/8"-24X3/4" (12.9001)	2	2	2	2		2			2			
	5152148	WASHER, 3/8" FLAT (COPPER) (2.4050)	2	2	2	2	2	2			2			
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR		AR	AR		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR		AR	AR		
	117049	NUT, 3/8"-24 HEX. (12.9120)	4	4	4	4	4	4	4		4	4		
		% NOT SERVICED; USE CONVERSION KIT 5198667.												
		* NOT SERVICED. USE 5143127 COVER.												
		@ PART OF 5198667 AND 5198668 WATER PUMP CONVERSION KIT.												
		# PART OF 5198669 WATER PUMP CONVERSION KIT.												
		5.1032 - GASKET, FRESH WATER PUMP BODY COVER												
1B,C	**5128224**	GASKET (COVER TO PUMP)	1	1	1		1	1						
	5141290	& GASKET (COVER (COVER TO PUMP)							1		1	1		
1A	**5104507**	GASKET (END PLATE COVER) (1.1032)	1	1	1	1	1	1			1			
		& PART OF 5198667, 5198668, AND 5198669 WATER PUMP CONVERSION KITS.												
		5.1115 - REPLACEMENT KIT, FRESH WATER PUMP SEAL												
		INCLUDES CERAMIC INSERT AND ADHESIVE.												
	5197279	REPLACEMENT KIT, IMPELLER INSERT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 164	165	168	174	175	176	177	181	186	196	197	198	200
		5.1001 - PUMP ASSY., FRESH WATER													
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.													
1A	**5149321**	PUMP ASSY (PAGE C1)		1							1				
	5149325	PUMP ASSY. (PAGE C1)								1					
1A	**5149330**	PUMP ASSY. (PAGE C1)				1									
	5149322	PUMP ASSY. (PAGE C1)										1			
1A	**5149324**	PUMP ASSY. (PAGE C1)	1		1										
	5149383	* PUMP ASSY. (PAGE C1)											1		
1A	**5149328**	PUMP ASSY. (PAGE C1)					1								
	5149382	* PUMP ASSY. (PAGE C1)												1	
1A	**5149326**	PUMP ASSY. (PAGE C1)						1							
	5149380	* PUMP ASSY. (PAGE C1)													1
1A	**5149329**	PUMP ASSY. (PAGE C1)							1						
	5103544	RING, SEAL (.139"X5.109"I.D.)	1	1	1	1	1	1	1	1	1	1	1	1	1
	5115214	PLUG, 1/2" PIPE (12.9550)	1		1		1	1	1		1	1	1		
	5142549	PLUG, 3/4" PIPE (12.9550)					1	1	3					1	
	128003	BUSHING, 1"X3/4" REDUCING (12.9570)							1						
	5111798	PLUG, 1" PIPE (12.9550)								1		1	1		
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	2		1	2	2	2	2						
	454939	BOLT, 7/16"-14X4" (12.9001)	1			1	1	1	1					1	1
	179862	BOLT, 7/16"-14X1 1/2"(12.9001)								1		1	1	2	2
	190909	BOLT, 7/16"-14X5" (12.9001)		1	1					1	1	1	1		
	187425	BOLT, 7/16"-14X5 1/4" (12.9001)		1	1					1	1	1	1		
	103342	WASHER, 7/16" FLAT (12.9190)	1	1	1	1	1	1	1	1	1	1	1	1	1
	103322	LOCKWASHER, 7/16" (12.9200)	3	3	3	3	3	3	3	3	3	3	3	3	3
		@ REQUIRES GEAR SHOWN IN 1.7200 AND WEIGHTS IN 1.7140 FOR UNITS THRU 6VA 2908, 8VA-566 AND 12VA-457.													
		# INCLUDE 1- 5111798 PLUG													
		* MUST BE USED WITH 5104299 NITRIDED FRONT CAMSHAFT GEAR													
		5.1002 - RECONDITIONING KIT, FRESH WATER PUMP													
		A RECONDITIONING KIT INCLUDES SEAL RING IN 5.1001, BEARINGS AND LOCKRING IN 5.1070, IMPELLER AND NUT IN 5.1110, AND ITEMS IN 5.1032, 5.1050, 5.1065 AND 5.1130. A CARTRIDGE KIT INCLUDES ITEMS IN 5.1050, 5.1065, 5.1070, 5.1071, 5.1130 AND 5.1190.													
	5197508	KIT, RECONDITIONING					AR								
	5197509	KIT, RECONDITIONING	AR			AR		AR	AR						
	5198576	KIT, RECONDITIONING		AR	AR						AR				

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 164	165	168	174	175	176	177	181	186	196	197	198	200
	5.1115	**REPLACEMENT KIT, FRESH WATER PUMP SEAL**													
		INCLUDES CERAMIC INSERT AND ADHESIVE.													
	5197279	REPLACEMENT KIT, IMPELLER INSERT	AR	AR	AR	AR	AR	AR	AR		AR				

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 206	207	209
		5.1001 - PUMP ASSY., FRESH WATER			
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.			
	5149458	PUMP ASSY. (PAGE B1)			1
	5149503	PUMP ASSY. (PAGE B1)	1	1	
	5103544	RING, SEAL (.139" X 5.109" I.D.)	1		1
	5115214	PLUG, 1/2" PIPE (12.9550)	1		2
	5142549	PLUG, 3/4" PIPE (12.9550)			1
	5111798	PLUG, 1" PIPE (12.9550)	1		
	179862	BOLT, 7/16"-14 X 1 1/2" (12.9001)	1		2
	454939	BOLT, 7/16"-14 X 4" (12.9001)			1
	190909	BOLT, 7/16"-14 X 5" (12.9001)	1		
	187425	BOLT, 7/16"-14 X 5 1/4" (12.9001)	1		
	103342	WASHER, 7/16" (12.9190)	1		1
	103322	LOCKWASHER, 7/16" (12.9200)	3		3
		5.1002 - RECONDITIONING KIT, FRESH WATER PUMP			
		A RECONDITIONING KIT INCLUDES SEAL RING IN 5.1001, BEARINGS AND LOCKRING IN 5.1070, IMPELLER AND NUT IN 5.1110 AND ITEMS IN 5.1032, 5.1050, 5.1065 AND 5.1130.			
	5198576	KIT, RECONDITIONING	AR	AR	
	5197509	KIT, RECONDITIONING			AR
		5.1115 - REPLACEMENT KIT, FRESH WATER PUMP SEAL			
		INCLUDES CERAMIC INSERT AND ADHESIVE.			
	5197279	REPLACEMENT KIT, IMPELLER INSERT	AR		AR
		5.1032 - GASKET, FRESH WATER PUMP BODY COVER			
	5117975	GASKET (COVER TO PUMP)			1
	5117976	GASKET (COVER TO PUMP)	1		
		5.1031 - COVER, FRESH WATER PUMP BODY			
	5117950	COVER (WATER PUMP)			1
	5117961	COVER (WATER PUMP)	1		
	5131685	BOLT, 5/16"-18 X 3/4" (NYLON INSERT)	4		5

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1001 - PUMP ASSY., FRESH WATER														
1A	**5130960**	* PUMP ASSY.	1													
1A	**5126967**	PUMP ASSY.		1												
1A	**5135700**	PUMP ASSY.			1											
1A	**5130797**	PUMP ASSY.				1										
1C	**5126785**	+ PUMP ASSY. (INDUSTRIAL)					1									
1B	**5108487**	PUMP ASSY. (MARINE)						1								
1C	**5108449**	PUMP ASSY. (INDUSTRIAL)							1							
1B	**5108723**	PUMP ASSY. (MARINE)								1						
1C	**5109590**	PUMP ASSY. (EUCLID)									1					
1A	**5149323**	PUMP ASSY										1				
		* NOT SERVICED, USE 5146529														
		+ NOT SERVICED, USE 5149332														
		5.1030 - BODY, FRESH WATER PUMP														
1A	**5135455**	BODY	1		1											
1A	**5145089**	BODY		1								1				
1A	**5130701**	BODY				1										
1C	**5134413**	* BODY ASSY. (INCLUDES STUDS IN 5.1040)					1		1							
1B	**5108722**	* BODY ASSY. (INCLUDES STUDS IN (5.1040)						1		1						
1C	**5134412**	* BODY ASSY. (INCLUDES STUDS IN (5.1040)									1					
		* NOT SERVICED; CONVERT TO NEW WATER PUMP ASSY. 5139767 INDUSTRIAL, 5142109 INDUSTRIAL REAR MOUNTED; 5142954 MARINE ENGINES. REFER TO WATER PUMP CHART FOR COVER & GASKET														
		5.1031 - COVER, FRESH WATER PUMP BODY														
1A	**5117950**	COVER (WATER PUMP)	1		1	1										
1A	**5117961**	COVER (WATER PUMP)		1								1				
1A	**103320**	LOCKWASHER, 5/16" (12.9200)	5	4	5	5										
1A	**121917**	NUT, 5/16"-24 HEX. (12.9120)	5	4	5	5										
		5.1032 - GASKET, FRESH WATER PUMP BODY COVER														
1A	**5117975**	GASKET	1		1	1										
1A	**5117976**	GASKET		1								1				
		5.1040 - STUD, FRESH WATER PUMP BODY														
1A	**5117847**	STUD, 5/16"-18X1.06"	5		5	5										
1B,C	**103196**	STUD, 3/8"-24X1 9/16" (12.9117)					6	6	6	6	6					
1B,C	**5130994**	STUD, 3/8"-24X5 3/16"					4	4	4	4	4					

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1040 - STUD, FRESH WATER PUMP BODY (CONT'D)														
1A	**5131685**	BOLT, 5/16"-18X3/4"										4				
		5.1050 - SHAFT ASSY., FRESH WATER PUMP														
1A,C	**5123150**	SHAFT	1	1	1	1						1				
1B	**5126775**	* SHAFT					1	1								
1B	**5108451**	* SHAFT							1	1	1					
1B	**106749**	KEY, 1/8"X1/2" WOODRUFF (12.9350)					1	1	1	1	1					
		* NOT SERVICED; CONVERT TO NEW WATER PUMP ASSY. 5139767 INDUSTRIAL, 5142109 INDUSTRIAL REAR MTD., 5142954 MARINE ENGINES. REFER TO WATER PUMP CHART FOR COVER AND GASKET.														
		5.1060 - SPACER, FRESH WATER PUMP BEARING														
1B	**5115042**	SPACER, 3/4"I.D.X1 1/160.D.X.58 (7.1610)					1	1	1	1	1					
		5.1065 - SEAL, FRESH WATER PUMP SHAFT BEARING OIL														
1A	**5117983**	SEAL	1	1	1	1						1				
1B	**5128569**	SEAL					1	1	1	1	1					
		5.1070 - BEARING, FRESH WATER PUMP														
1A,C	**2954945**	BEARING (N.D. 3304LR1A) (INNER)	1	1	1	1						1				
1A,C	**908270**	BEARING (N.D. 3204LR1A) (8.3736)	1	1	1	1						1				
1B	**455506**	BEARING (3.4040)					1	1	1	1	1					
1B	**9416358**	RING, RETAINING (5.6140)					1	1	1	1	1					
1B	**7451152**	*RACE (END BEARING INNER) (ON SHAFT)*					1	1								
1B	**7451222**	RACE (END BEARING INNER) (ON SHAFT)							1	1	1					
1B	**7450898**	RACE (END BEARING OUTER) (IN SUPPORT)					1	1								
1B	**7451223**	RACE (END BEARING OUTER) (IN SUPPORT)							1	1	1					
1A	**274746**	LOCK RING (OUTER BEARING) (5.4235)	1	1	1	1						1				
		5.1071 - RETAINER, FRESH WATER PUMP BEARING A ND SEAL														
1B	**5127921**	* RETAINER					1	1	1	1	1					
		* NOT SERVICED; CONVERT TO NEW WATER PUMP ASSY. 5139767 INDUSTRIAL,														

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1071 - RETAINER, FRESH WATER PUMP BEARING AND SEAL(CONT'D)														
		5142109 INDUSTRIAL REAR MTD., 5142954 MARINE. REFER TO WATER PUMP CHART FOR COVER AND GASKET.														
		5.1072 - SUPPORT, FRESH WATER PUMP BEARING														
		A SUPPORT ASSY. INCLUDES OUTER RACE IN 5.1070 AND RING IN 5.1072.														
	5129092 *	SUPPORT ASSY.					1	1								
	5108339 *	SUPPORT ASSY.							1	1	1					
	9411502	RING, RETAINING (5.6140)					1	1								
	5121459	PLUG, 3/8"-24 NUT (1.1020)					4	4								
	181360	BOLT, 3/8"-24X3/4" (12.9001)					2	2	2	2	2					
	5152148	WASHER, 3/8" COPPER (2.4050)					2	2	2	2	2					
	103321	LOCKWASHER, 3/8" (12.9200)					4	4	4	4	4					
	117049	NUT, 3/8"-24 HEX. (12.9120)					4	4	4	4	4					
		* NOT SERVICED, CONVERT TO NEW WATER PUMP ASSY. 5139767 INDUSTRIAL, 5142109 INDUSTRIAL REAR MTD., 5142954 MARINE ENGINES. REFER TO WATER PUMP CHART FOR COVER AND GASKET.														
		5.1074 - GASKET, FRESH WATER PUMP BEARING SUPPORT														
1B	**5127922**	GASKET (BEARING AND SEAL RETAINER TO BODY)					1	1	1	1	1					
		5.1110 - IMPELLER, FRESH WATER PUMP														
1A	**5123183** *	IMPELLER ASSY.	1			1										
1A	**5123185** *	IMPELLER ASSY.		1												
1A	**5123622** *	IMPELLER ASSY.			1											
1B	**5126781** @	IMPELLER ASSY.					1	1	1	1	1					
1A	**5131600**	IMPELLER ASSY.										1				
1A	**120395**	WASHER, 7/16" FLAT (12.9190)	1	1	1	1						1				
1B	**120396**	WASHER, 1/2" FLAT (12.9190)					1	1	1	1	1					
1A	**5117972**	NUT, 7/16"-20 HEX. LOCK	1	1	1	1						1				
1B	**5128476**	NUT, 1/2"-20 HEX.					1	1	1	1	1					
		* INCLUDES INSERT WHICH IS AVAILABLE ALSO IN KIT 5197279.														
		@ NOT SERVICED; CONVERT TO NEW WATER PUMP ASSY. 5139767 INDUSTRIAL,														

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1110 - IMPELLER, FRESH WATER PUMP (CONT'D)														
		5142109 INDUSTRIAL REAR MTD., 5142954 MARINE ENGINES.														
		5.1130 - SEAL, FRESH WATER PUMP														
1A	**5130959**	SEAL	1	1	1	1	1	1	1	1	1	1				
1B	**5196787**	SEAL														
		5.1190 - GEAR, FRESH WATER PUMP DRIVE														
1A	**5146254** #	GEAR (42 TEETH)	1	1	1	1	1	1	1	1	1	1				
1B	**5126780** @	GEAR (39 TEETH)					1	1	1	1	1					
1B	**5108446**	WASHER, 7/16"					1	1	1	1	1					
1B	**447174**	NUT, 7/16"-20 SEAL (2.4040)					1	1	1	1	1					

EFFECTIVE WITH 6VA-2909, 8VA-567, 12VA-458. REQUIRES FRONT CAMSHAFT GEAR IN 1.7200 PLUS WEIGHT IN 1.7140 FOR 8V-71 AND GEAR ONLY IN 1.7200 FOR 6V-71 AND 12V-71.

@ NOT SERVICED; CONVERT TO NEW WATER PUMP ASSY. 5139767 INDUSTRIAL, 5142109 INDUSTRIAL REAR MTD., 5142954 MARINE ENGINES.

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1001 - PUMP ASSY., FRESH WATER														
	5132083	* PUMP ASSY. (5149332)	1													
	5132081	* PUMP ASSY. (5149336)		1												
	5131841	* PUMP ASSY. (5149336)			1											
	5134411	* PUMP ASSY. (5149332)				1										
	5135762	* PUMP ASSY. (WITH REAR MOUNTED THERMOSTAT) (5149335)					1									
	5149332	PUMP ASSY.						1								
	5141598	* PUMP ASSY. (5149326)							1							
	5149335	PUMP ASSY.								1						
	5149336	PUMP ASSY.									1					
	5149458	PUMP ASSY.										1				
	5149503	PUMP ASSY.											1			
		* NOT SERVICED, USE NUMBER IN PARENTHESES.														
		5.1030 - BODY, FRESH WATER PUMP														
		A WATER PUMP BODY CONVERSION KIT INCLUDES ITEMS IN 5.1030, 5.1031, 5.1032, 5.1040, 5.1110 AND 5.1120.														
1C	**5134412**	* BODY ASSY. (INCLUDES STUDS IN 5.1040) (5104837)	1			1										
1B	**5173849**	* BODY ASSY. (INCLUDES STUDS IN 5.1040) (5149336)		1	1											
1B	**5135763**	* BODY ASSY. (INCLUDES STUDS IN 5.1040) (5149335)					1									
	5135455	BODY							1							
	5145089	BODY (INCLUDES BOLTS IN 5.1040)											1			
	5140009	BODY						1								
	5106160	BODY (INCLUDES BOLTS IN 5.1040)										1				
	5142110	BODY								1						
	5142758	BODY									1					
	5198668	CONVERSION KIT, WATER PUMP BODY					1									
	5198667	CONVERSION KIT, WATER PUMP BODY	1			1						1	1			
	5198669	CONVERSION KIT, WATER PUMP BODY		1	1											
	5115214	PLUG, 1/2" PIPE (12.9550)						1		1						
		* NOT SERVICED; CONVERT TO NEW WATER PUMP ASSY. SHOWN IN PARENTHESES.														
		5.1031 - COVER, FRESH WATER PUMP BODY														
1A	**5117950**	COVER (WATER PUMP)							1			1				
1A	**5117961**	COVER (WATER PUMP)											1			
		5.1032 - GASKET, FRESH WATER PUMP BODY COVER														
1A	**5117975**	GASKET							1			1				
1A	**5117976**	GASKET											1			

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5.1000 FRESH WATER PUMP

MFG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1040 - STUD, FRESH WATER PUMP BODY														
	5150362	STUD, 3/8"-24 X 1 11/16"						6		6		6				
	103196	STUD, 3/8"-24 X 1 9/16"	6	6	6	6	6		6							
	5130994	STUD, 3/8"-24 X 5.24"	4	4	4	4	4	4	4	4	4					
	5131685	BOLT, 5/16"-18 X 3/4"							5			5	4			
		5.1050 - SHAFT ASSY., FRESH WATER PUMP														
1A,C	5123150	SHAFT			1	1	1	1	1	1	1	1	1			
1B	5108451	@ SHAFT	1	1												
1B	106749	KEY, 1/8"X1/2" WOODRUFF (12.9350)	1	1												
		@ NOT SERVICED; CONVERT TO NEW WATER PUMP ASSY. 5139767 INDUSTRIAL, 5142109 INDUSTRIAL REAR MTD., 5142954 MARINE.														
		5.1060 - SPACER, FRESH WATER PUMP BEARING														
1B	5115042	SPACER, 3/4"I.D.X1 1/16"O.D.X.58" (7.1610)	1	1												
		5.1065 - SEAL, FRESH WATER PUMP SHAFT BEARING OIL														
1A	5117983	SEAL			1	1	1	1	1	1	1	1	1			
1B	5128569	SEAL	1	1												
		5.1070 - BEARING, FRESH WATER PUMP														
1A,C	908270	BEARING (N.D. 3204LR14) (OUTER) (8.3736)			1	1	1	1	1	1	1	1	1			
1A,C	2954945	BEARING (N.D. 3304LR14) (INNER) (2.8830)			1	1	1	1	1	1	1	1	1			
1B	455506	BEARING (3.4040)	1	1												
1B	9416358	RING, RETAINING (5.6140)	1	1												
1B	7451223	RACE (END BEARING OUTER) (IN SUPPORT)	1	1												
1B	7451222	RACE (END BEARING INNER) (ON SHAFT)	1	1												
1A	274746	LOCKRING (OUTER BEARING) (5.4235)			1	1	1	1	1	1	1	1	1			
		5.1071 - RETAINER, FRESH WATER PUMP BEARING AND SEAL														
1B	5132082	@ RETAINER	1	1												
1C	5130851	RETAINER			1	1	1	1	1	1	1					
1B	103321	LOCKWASHER, 3/8" (12.9200)	6	6	6	6	6	6	6	6	6					

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1071 - RETAINER, FRESH WATER PUMP BEARING AND SEAL (CONT'D)														
1B	**117049**	NUT, 3/8"-24 HEX. (12.9120)	6	6	6	6	6	6	6	6	6					
		@ NOT SERVICED; CONVERT TO NEW WATER PUMP ASSY. 5149336 MARINE OR 5149335 INDUSTRIAL.														
		5.1072 - SUPPORT, FRESH WATER PUMP BEARING														
		A SUPPORT ASSY. INCLUDES OUTER RACE IN 5.1070 AND RING IN 5.1072.														
	5132080	@ SUPPORT ASSY.	1	1												
	9416358	RING, RETAINING (5.6140)	1	1												
	181360	BOLT, 3/8"-24X3/4" (12.9001)	2	2												
	5152148	WASHER, 3/8" COPPER (2.4050)	2	2												
	103321	LOCKWASHER, 3/8" (12.9200)	4	4												
	117049	NUT, 3/8"-24 HEX. (12.9120)	4	4												
		@ NOT SERVICED; CONVERT TO NEW WATER PUMP ASSY. 5139767 INDUSTRIAL, 5142109 INDUSTRIAL REAR MTD., 5142954 MARINE.														
		5.1074 - GASKET, FRESH WATER PUMP BEARING SUPPORT														
1B	**5127922**	GASKET (BEARING AND SEAL RETAINER TO BODY)	1	1	1	1	1	1	1	1	1					
		5.1110 - IMPELLER, FRESH WATER PUMP														
1B,C	**5130940**	* IMPELLER			1	1	1									
1B	**5126781**	@ IMPELLER ASSY.	1	1												
	5123183	# IMPELLER ASSY. (INCLUDES INSERTS)							1			1				
	5123185	# IMPELLER ASSY. (INCLUDES INSERTS)											1			
	5141592	& IMPELLER ASSY.						1		1	1					
1A	**120395**	WASHER, 7/16" FLAT (12.9190)			1	1	1	1	1	1	1	1	1			
1B	**120396**	WASHER, 1/2" FLAT (12.9190)	1	1												
1A	**5117972**	NUT, 7/16"-20 HEX. LOCK			1	1	1	1	1	1	1	1	1			
1B	**5128476**	NUT, 1/2"-20 HEX.	1	1												
		* NOT SERVICED. FOR SERVICE USE APPLICABLE CONVERSION KIT.														
		@ NOT SERVICED; CONVERT TO NEW WATER PUMP ASSY. 5149336 MARINE OR 5149335 INDUSTRIAL.														
		# INCLUDES INSERT WHICH IS ALSO														

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
			COLUMN													
		5.1110 - IMPELLER, FRESH WATER PUMP (CONT'D)														
		AVAILABLE IN KIT 5197279. & PART OF 5198688, 5198667 AND 5198669 WATER PUMP CONVERSION KIT.														
		5.1120 - RING, FRESH WATER PUMP BODY IMPELLER DEFLECTOR														
1C	**5141286**	* RING, DEFLECTOR							1	1	1					
1C	**9427739**	SCREW, 1/4"-20X5/8" (RING TO BODY) (12.9027)							4	4	4					
		* PART OF 5198688, 5198667 AND 5198669 WATER PUMP CONVERSION KIT.														
		5.1130 - SEAL, FRESH WATER PUMP														
1A	**5130959**	SEAL			1	1	1	1	1	1	1	1	1			
1B	**5196787**	SEAL	1	1												
		5.1190 - GEAR, FRESH WATER PUMP DRIVE														
1B	**5126780**	@ GEAR (39 TEETH)	1	1					1							
1A	**5146254**	# GEAR (42 TEETH)			1	1	1	1	1	1	1		1			
3,C	**5130853**	GEAR (39 TEETH)										1				
	5106416	GEAR (45 TEETH)														
	5104300	GEAR (42 TEETH) (NITRATE HARDENED)														
1B	**5108446**	WASHER, 7/16"	1	1												
1B	**447174**	NUT, 7/16"-20 SEAL (2.4040)	1	1												

@ NOT SERVICED: CONVERT TO NEW WATER PUMP ASSY. 5149336 MARINE OR 5149335 INDUSTRIAL.

EFFECTIVE WITH 6VA-2909, 3VA-567, 12VA-458. REQUIRES FRONT CAMSHAFT GEAR IN 1.7200 PLUS WEIGHT 'N 1.7140 TO ASSURE INTERCHANGEABILITY ON UNITS PRIOR TO THESE SERIAL NUMBERS.

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1001 - PUMP ASSY., FRESH WATER														
	5149325	PUMP ASSY.									1					
	5149322	PUMP ASSY.	1									1				
	5149383	@ PUMP ASSY.											1			
	5131798	– PUMP ASSY. (5149328)		1										1		
	5149382	@ PUMP ASSY.			1										1	
1A	**5149324**	PUMP ASSY.				1										
	5149380	@ PUMP ASSY.					1									
	5149321	PUMP ASSY.						1								
1A	**5149328**	PUMP ASSY.							1							
1A	**5149329**	PUMP ASSY.								1						
1A	**5149330**	PUMP ASSY.									1					
1A	**5149326**	PUMP ASSY.										1				
		@ MUST BE USED WITH 5104299 *NITRIDED FRONT CAMSHAFT GEAR*														
		– NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.														
		5.1030 - BODY, FRESH WATER PUMP														
	5145266	BODY	1		1							1				
	5143956	BODY		1			1			1						
1A	**5135455**	BODY				1					1					
	5145089	BODY						1					1	1		
1A	**5142406**	BODY							1						1	
1A	**5130701**	BODY														
		5.1031 - COVER, FRESH WATER PUMP BODY														
1A	**5117961**	COVER (WATER PUMP)	1		1	1					1	1	1			
1A	**5117950**	COVER (WATER PUMP)		1			1	1	1	1				1	1	
	5131685	BOLT, 5/16"-18X3/4" (NYLON INSERT) (12.9001)		5			5	5	5	5						
		5.1032 - GASKET, FRESH WATER PUMP BODY COVER														
1A	**5117975**	GASKET		1			1	1	1	1				1	1	
1A	**5117976**	GASKET	1		1	1					1	1	1			
		5.1040 - STUD, FRESH WATER PUMP BODY														
	5131685	BOLT, 5/16"-18X3/4"	4		4	4					4	4	4	5	5	
		5.1050 - SHAFT ASSY., FRESH WATER PUMP														
1A,C	**5123150**	SHAFT	1	1	1	1	1	1	1	1	1	1	1	1	1	

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1065 - SEAL, FRESH WATER PUMP SHAFT BEARING OIL														
1A	**5117983**	SEAL	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5.1070 - BEARING, FRESH WATER PUMP														
1A,C	**2954945**	BEARING (INNER) (N.D. 3304LR1A)	1	1	1	1	1	1	1	1	1	1	1	1	1	
1A,C	**908270**	BEARING (N.D. 3204LR1A) (OUTER) (8.3736)	1	1	1	1	1	1	1	1	1	1	1	1	1	
1A	**274746**	LOCKRING (OUTER BEARING) (5.4235)	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5.1110 - IMPELLER, FRESH WATER PUMP														
1A	**5123185**	+ IMPELLER ASSY.	1			1					1	1	1			
1A	**5123622**	+ IMPELLER ASSY.		1			1									
1A	**5123183**	+ IMPELLER ASSY.						1	1	1				1	1	
1A	**5131600**	IMPELLER ASSY.			1											
1A	**120395**	WASHER, 7/16" FLAT (12.9190)	1	1	1	1	1	1	1	1	1	1	1	1	1	
1A	**5117972**	NUT, 7/16"-20 HEX. LOCK	1	1	1	1	1	1	1	1	1	1	1	1	1	
		+ INCLUDES INSERT WHICH IS AVAILABLE IN KIT 5197279.														
		5.1130 - SEAL, FRESH WATER PUMP														
1A	**5130959**	SEAL	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5.1190 - GEAR, FRESH WATER PUMP DRIVE														
1A	**5146254**	* GEAR (42 TEETH)	1	1	1	1	1	1	1	1	1	1				
	5104300	GEAR (42 TEETH) (NITRATE HARDENED)											1	1	1	
		* EFFECTIVE WITH 6VA-2909, 8VA-567, 12VA-458. REQUIRES FRONT CAMSHAFT GEAR IN 1.7200 PLUS WEIGHT IN 1.7140 TO ASSURE INTERCHANGEABILITY ON UNITS PRIOR TO THESE SERIAL NUMBERS.														

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5.2000A WATER OUTLET MANIFOLD AND/OR ELBOW

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 74	77	83	88	90	103	104	133	137	138	146	150
		5.2001 - MANIFOLD, WATER OUTLET												
10B	5124422	# MANIFOLD (12V)	2	2							2	2		2
	5181578	MANIFOLD (8V)			2									
	5109461	MANIFOLD (8V)				2		2						
	5104278	MANIFOLD (FRONT) (16V)					2							
	5167488	@ MANIFOLD (REAR) (16V)					2							
10C	5113380	+ MANIFOLD (12V)												
	5115214	PLUG, 1/2" (12.9550)	6	6	8	4	6	6			4	4	2	4
	5142549	PLUG	2	2			2				1	1	6	2
	143337	ELBOW, 5/16" TUBE 45 DEG. (12.9480)									2	2	2	2
	9432249	ELBOW, 3/8" TUBE 90 DEG. (12.9480)									1	1		
	144045	BUSHING, 1/2"X1/4" RED. (12.9570)										2		2
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)									2			
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)									1	1		
	103321	LOCKWASHER, 3/8" (12.9200)	24	24	16	16	32	16			24	24	24	24
	117049	NUT, 3/8"-24 HEX. (12.9190)	24	24	16	16	32	16			24	24	24	24
		* FIG. 13D OF 1.0000.												
		@ NOT SERVICED, USE 5101774 PLUS (2) 5117344, (2) 5150361, AND (4) 5101377.												
		# NOT SERVICED, USE 5101775 PLUS (2) 5117344 (2) 5150361 AND (4) 5101377.												
		+ NOT SERVICED, USE 5101772 (2) 5117344, (2) 5150361 and (4) 5101377.												
		5.2010 - GASKET, WATER OUTLET MANIFOLD												
	5150361	GASKET	12	12	8	8	16	8			12	12	12	12
		5.2020 - STUD, WATER OUTLET MANIFOLD												
	5150362	STUD	24	24	16	16	32	16			24	24		
		5.2035 - ELBOW, WATER OUTLET MANIFOLD												
	5135382	+ ELBOW (L.B.) (5.2210)							1					
	5135383	+ ELBOW (R.B.) (5.2210)							1					
	5142739	ELBOW, 30 DEG.								1				
	5141403	ELBOW, 90 DEG.								1				
	103880	PLUG, 1/2" PIPE (12.9550)							2					
	186629	BOLT, 5/16"-18X1" (12.9001)							8					
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)								8				
	103320	LOCKWASHER, 5/16" (12.9200)							8					
		+ OBSOLETE, NO REPLACEMENT.												
		5.2037 - GASKET, WATER OUTLET MANIFOLD ELBOW												
	5169478	GASKET (5.2110)							2	2				

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5.2000A WATER OUTLET MANIFOLD AND/OR ELBOW

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 74	77	83	88	90	103	104	133	137	138	146	150
		5.2043 - SEAL, WATER OUTLET MANIFOLD												
	5122439	SEAL (2.60"I.D.X62"W.)	2	2			2				2	2	2	2
	5156770	SEAL					2							
	5145033	CLAMP (2 9/16 -2 7/8 RANGE)(5.2124)					2							
	5188036	CLAMP (2 9/16"-3 1/2" RANGE) (12.9660)		2									2	2
	5144768	CLAMP (2 15/16 -3 1/4 RANGE)(5.2124)					2							
	5145769	CLAMP (3 1/2"-3 3/16" RANGE) (12.9660)	2								2	2		

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5.2000A WATER OUTLET MANIFOLD AND/OR ELBOW

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 151	165	166	167	168	171	172	178	183
		5.2001 - MANIFOLD, WATER OUTLET									
10B	**5124422**	# MANIFOLD (12V)	2								
	5101775	MANIFOLD (12V)		2				2			2
	5104278	MANIFOLD (FRONT) (16V)			1						
	5101774	MANIFOLD (REAR) (16V)			1					2	
	5101772	MANIFOLD (8, 12V)				2	2				
	5102379	MANIFOLD (8, 12V)							2		
	5104435	MANIFOLD (16V)								2	
	5115214	PLUG, 1/2" PIPE (12.9550)	4	6	6	12	8	6	6		4
	5121182	PLUG, 1/4" PIPE (2.4015)							2		
	5142549	PLUG, 3/4" (12.9550)	2	2	2		2	2		2	2
	5117186	PLUG, 2" CUP (1.2001)				2					
	5103922	PLUG (1.2001)							2		
	8923916	PLUG, 1/2" PIPE (12.9550)								6	
	8924160	ELBOW, 5/16" TUBE 45 DEG. (12.9480)	2								
	144045	BUSHING, 1/4"X1/2" RED. (12.9570)	2					2			2
	8924218	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)						2			2
	5189294	FITTING, 1/2"-20 HOSE (5.7100)						2			2
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)				2			2		
	8924159	BUSHING, 3/4"X3/8" RED. (12.9570)	1								
	103321	LOCKWASHER, 3/8" (12.9200)	24	24	32		24	24	12	32	24
	117049	NUT, 3/8"-24 (12.9120)	24	24	32		24	24	12	32	24
		# NOT SERVICED, USE 5101775 PLUS (2) 5117344, (2) 5150361 AND (4) 5101377.									
		5.2010 - GASKET, WATER OUTLET MANIFOLD									
	5150361	GASKET	12	12	16		12	12	6	16	12
		5.2020 - STUD, WATER OUTLET MANIFOLD									
	8927270	STUD							1		
	5101377	BOLT, 3/8"-16X1" (W/SEAL PATCH)		8			8				
		5.2030 - COVER, WATER OUTLET MANIFOLD HOLE									
	5117344	PLATE (1.2001)		4							4
		5.2043 - SEAL, WATER OUTLET MANIFOLD									
	5122439	SEAL (2.60"I.D.X62"W.)	2	2	2		2	2		2	2
	5156770	SEAL (2 3/4" O.D.)			2					2	
	5145033	CLAMP (2 9/16- 2 7/8" RANGE)(5.2124)			2					2	
	5188036	CLAMP (2 9/16"-3 1/2" RANGE) (12.9660)	2	2			2	2			2
	5144768	CLAMP (2 15/16"-3 1/4" RANGE) (5.2124)			2					2	
		5.2047 - HOSE, WATER OUTLET MANIFOLD TUBE									
	5117721	HOSE, 1/4"X20 1/2" (9.4016)									2
	5189294	FITTING, 1/2"-20 HOSE (5.7100)									2
	8924215	ELBOW, 5/16" INV. FLD. 90 DEG. (12.9480)									2
	5107436	BUSHING, RED. (5.3480)									2
	5178595	BRACKET, CLIP (2.5030)									2
	140571	CLIP, 1/2" TUBE, 5/16" BOLT (12.9630)									2
	181333	BOLT, 5/16"-24X5/8" (12.9001)									2

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5.2000A WATER OUTLET MANIFOLD AND/OR ELBOW

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 151	165	166	167	168	171	172	178	183
		5.2047 - HOSE, WATER OUTLET MANIFOLD TUBE (CONT'D)									
	103320	LOCKWASHER, 5/16" (12.9200)									2
	114493	LOCKNUT, 5/16"-24 (2.7170)									2

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 74	75	76	77	78	79	92	93	94	96	97	99
		5.2050 - THERMOSTAT												-
3A,B	5104832	THERMOSTAT (170 DEG. OPENING TEMPERATURE)	2	4	4	2	2	4	4	2	2	4	4	4
		5.2060 - SEAL, THERMOSTAT												
3A,B	5132155	SEAL	2	4	4	2	2	4	4	2	2	4	4	4
		5.2090 - HOUSING, THERMOSTAT												
3A	5117997 *	HOUSING (RIGHT BANK)	1			1	1			1	1			
3B	5117546	HOUSING (LEFT BANK)	1			1	1			1	1			
3A	5135149	HOUSING (RIGHT BANK)											1	1
3B	5127692	HOUSING (LEFT BANK)											1	1
3A	5122628	HOUSING ASSY. (RIGHT BANK)		1	1			1	1			1		
3B	5122377	HOUSING ASSY. (LEFT BANK)		1	1			1	1			1		
	5122612	RETAINER, VENT SEAL (IN CYLINDER HEAD)		1	1			1	1			1		
	5179232	RING, SEAL (.424"I.D.) (2.4225)		1	1			1	1			1		
	5146607	BUSHING, 1/2" PIPE X 1" PIPE	1			1	1			1	1			
3A,B	444692	PLUG, 1/4" PIPE (12.9550)											3	3
3A,B	5115214	PLUG, 1/2" PIPE (12.9550)	4			AR	4			AR	4			
	5142549	PLUG, 3/4" PIPE (12.9550)	1	2	2		2	2	2		2	2	2	2
	103647	DRAINCOCK, 1/4" (12.9510)		1	1							1		
3A,B	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2	2	2	2	2	2	2		
3A,B	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											2	2
A,B	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	2	2	2	2	2	2	2	2	2	2		
A,B	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	1			1	1			1	1			
3A,B	455537	BOLT, 3/8"-16X4" (12.9001)	1			1	1			1	1			
3A,B	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		2	2			2	2			2	1	1
3A,B	193221	BOLT, 7/16"-14X1 1/4" (12.9001)											2	2
3A,B	450501	BOLT, 7/16"-14X2 3/4" (12.9001)											1	1
3A,B	5152148	WASHER, 3/8" COPPER (2.4050)	4	2	2	4	4	2	2	4	4	2	2	2
3A,B	103341	WASHER, 3/8" FLAT (12.9190)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A,B	5125108	WASHER, 7/16" (2.4030)		2	2			2	2			2	2	2
3A,B	103342	WASHER, 7/16" FLAT (12.9190)		AR				AR	AR			AR		
3A,B	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A,B	103322	LOCKWASHER, 7/16" (12.9200)		AR				AR	AR			AR		
		* NOT SERVICED; USE 5109652 HOUSING AND INCLUDE 1-5146607 BUSHING.												
		5.2110 - GASKET, THERMOSTAT HOUSING												
3A	5117993	GASKET (RIGHT BANK)	1			1	1			1	1			
3B	5117993	GASKET (LEFT BANK)	1			1	1			1	1			
3A	5123716	GASKET (LEFT BANK)		1	1			1	1			1		
3B	5123715	GASKET (RIGHT BANK)		1	1			1	1			1		

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 74	75	76	77	78	79	92	93	94	96	97	99
		5.2120 - COVER, THERMOSTAT HOUSING												
3A	5127600	COVER (RIGHT BANK)	1			1	1			1	1			
3B	5122143	COVER (LEFT BANK)	1			1	1			1	1			
3A	5128268	COVER (RIGHT BANK)		1	1			1	1			1		
3B	5128269	COVER (LEFT BANK)		1	1			1	1			1		
3B	5127412	COVER (LEFT BANK)											1	1
3A	5127411	COVER (RIGHT BANK)											1	1
3A,B	444687	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2		
3A,B	5142549	PLUG, 3/4" PIPE (12.9550)	1	1	1	1	1	1	1			1		
	5128234	PIN (JIGGLE)	2	2	2	2	2	2	2	2	2	2	2	2
3A,B	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	8	8	12	8	8	12	12	8	8	12		
3A,B	191249	BOLT, 3/8"-16X3 3/4" (12.9001)											12	12
3A,B	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		5.2122 - ELBOW, THERMOSTAT HOUSING COVER OUTLET												
	5122440	* ELBOW (TEE) (KEEL COOLING)		1										
	5122423	ELBOW (KEEL COOLING)		1										
10A	5122423	ELBOW (HEAT EXCHANGER COOLING)			2							2		
	5122459	ELBOW (LEFT BANK) (KEEL COOLING)				1								
	5122410	ELBOW (RIGHT BANK) (KEEL COOLING)				1								
10D	5122410	ELBOW (HEAT EXCHANGER COOLING)					2			2				
	5129911	ELBOW (KEEL COOLING) (RIGHT BANK)											1	
	5129857	ELBOW (KEEL COOLING) (LEFT BANK)											1	
		* NOT SERVICED. USE 5132552 ELBOW AND INCLUDE 1- 444692 PLUG.												
		5.2124 - HOSE, THERMOSTAT HOUSING COVER OUTLET												
		ELBOW												
	5127299	* HOSE (2 1/4"I.D.X2 1/4"L.) (5199779)				4	4			4				
	5140553	* HOSE (2 3/8"I.D.X76"L.) (5.3365) (5199780)	1								1			
	5140552	* HOSE (2 3/8"I.D.X2.12"L.) (5199780)								1				
10A,B	5177273	@ HOSE (2 1/2"I.D.X2 1/4"L.)		4	4							4		
10B	5123708	* HOSE (2 3/4 I.D.X2 1/4 L.)(5112537)		1	1			1	1			1		
10B	5137839	* HOSE (3"I.D.X3"L.) (6.1147) (5114853)												4
	5119659	* HOSE (3 1/2"I.D.X2 3/4"L.) (5.3331) (5108390)											1	1
10D	9139809	CLAMP (2 1/16"-3"DIA.) (12.9660)	2	8	8	8	8			8		8		
	5188036	CLAMP (2 9/16 -3 1/2 DIA.)(12.9660)		2	2			2	2			2		8
	9139813	CLAMP (4") (3.5400)											2	2
		* NOT SERVICED. USE PART NUMBER												

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 74	75	76	77	78	79	92	93	94	96	97	99
		5.2124 - HOSE, THERMOSTAT HOUSING COVER OUTLET(CONT'D)												
		SHOWN AND CUT TO DESIRED LENGTH.												
		@ NOT SERVICED. USE 5137848 HOSE AND INCLUDE 2-5135647 CLAMPS.												
		5.2126 - MANIFOLD, HEAT EXCHANGER WATER (BETWEEN												
		OUTLET ELBOWS)												
	5122457	MANIFOLD (KEEL COOLING UNITS)		1										
	5122458	MANIFOLD (HEAT EXCHANGER UNITS)			1							1		
	5122503	MANIFOLD (KEEL COOLING UNITS)				1								
	5122504	MANIFOLD (HEAT EXCHANGER UNITS)					1			1				
	5129864	MANIFOLD (KEEL COOLING UNITS)												1
	103647	DRAINCOCK, 1/4" (12.9510)												1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		6	6	4	4			4		6		6
	103321	LOCKWASHER, 3/8" (12.9200)		6	6	4	4			4		6		6
		* FIG. 10B OF 4.0000.												
		5.2128 - GASKET, HEAT EXCHANGER WATER MANIFOLD												
	5122454	GASKET		3	3							3		3
	5124029	GASKET				1	1			1				
		5.2130 - GASKET, THERMOSTAT HOUSING COVER												
3A,B	5117786	GASKET	2			2	2			2	2			
	5175989	GASKET		2	2			2	2			2	2	2
		5.2135 - TUBE, THERMOSTAT HOUSING VENT												
	5121333	* TUBE (RIGHT BANK) (DEV.L. 13.88")											1	1
	5120686	* TUBE (LEFT BANK) (DEV.L. 12.30")											1	1
	137407	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)											1	1
		* NOT SERVICED USE 1-5133301 TUBE (RB), 1-5133244 TUBE (LB) AND INCLUDE 2-137423 ELBOW, 2-5177936 CONNECTOR, 2-5179937 NUT AND 2-5179938 SEAL RING.												

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 100	101	102	104	106	107	108	109	110	111	113	119	120
		5.2050 - THERMOSTAT ASSY.													
3A,B	**5104832**	THERMOSTAT (170 DEG. OPENING TEMPERATURE)	4	2	4	4	2	2	2	4	4	4	2	2	2
		5.2060 - SEAL, THERMOSTAT													
3A,B	**5132155**	SEAL	4	2	4	4		2	2	4	4	4	2	2	2
		5.2090 - HOUSING, THERMOSTAT													
3A	**5117997**	* HOUSING (RIGHT BANK)					1		1				1	1	1
3B	**5117546**	HOUSING (LEFT BANK)					1		1					1	1
3A	**5135149**	HOUSING (RIGHT BANK)	1		1					1	1				
3B	**5127692**	HOUSING (LEFT BANK)	1		1					1	1				
3A	**5108652**	HOUSING (RIGHT BANK) (5135149)	1		1					1	1				
3B	**5109651**	HOUSING (LEFT BANK)						1							
3A	**5109652**	HOUSING (RIGHT BANK)						1							
3B	**5173875**	HOUSING (LEFT BANK)											1		
3B	**5124286**	HOUSING (LEFT BANK)		1											
3A	**5122628**	HOUSING ASSY. (RIGHT BANK)				1						1			
3B	**5122377**	HOUSING (LEFT BANK)				1						1			
	5122612	RETAINER, VENT SEAL (IN CYLINDER HEAD)										1			
	5179232	RING, SEAL (.424"I.D.) (2.4225)				1						1			
	5146607	BUSHING, 1/2" X1"					1		1				1	1	1
3A,B	**444692**	PLUG, 1/4" (12.9550)	3		3					3	3				
3A,B	**8923847**	PLUG, 1/4"-18 (7/8" TAPER) (4.7001)		1											
3A,B	**5115214**	PLUG, 1/2" (12.9550)					3	3	3				3	3	3
3A,B	**8923916**	PLUG, 1/2"-14 (12.9550)		2											
3A,B	**5142549**	PLUG, 3/4"-14 (12.9550)	2		2		2	2	2	2	2		2	2	2
3A,B	**179839**	BOLT, 3/8"-16X1" (12.9001)				2	2	2	2			2	2	2	2
3A,B	**5101377**	BOLT, 3/8"-16X1" (5.2020)		1											
3A,B	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)								2	2				
3A,B	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)	2		2					2	2				
3A,B	**186628**	BOLT, 3/8"-16X1 1/2" (12.9001)				2	2	2	2			2	2	2	2
3A,B	**179844**	BOLT, 3/8"-16X1 5/8" (12.9001)		1											
3A,B	**191249**	BOLT, 3/8"-16X3 3/4" (12.9001)					1	1	1				1	1	1
3A,B	**455537**	BOLT, 3/8"-16X4" (12.9001)					1	1	1				1	1	1
3A,B	**9418964**	BOLT, 3/8"-16X5" (12.9001)		1											
3A,B	**454933**	BOLT, 7/16"-14X1 1/8" (12.9001)	1		1	2				1	1	2			
3A,B	**8921935**	BOLT, 7/16"-14X1.12" (12.9001)		1											
3A,B	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)	2												
3A,B	**427564**	BOLT, 7/16"-14X1 3/8" (12.9001)			1					1	1				
3A,B	**450501**	BOLT, 7/16"-14X2 3/4" (12.9001)	1		1					1	1				
3A,B	**5152148**	WASHER, 3/8" COPPER (2.4050)	2		2	2	4	4	4			2	4	4	4
3A,B	**103341**	WASHER, 3/8" (12.9190)	2	1	2	2	2	2	2	2	2	2	2	2	2
3A,B	**5125108**	WASHER, 7/16" (2.4030)	2		2	2				2	2	2			
3A,B	**103342**	WASHER, 7/16" (12.9190)				AR						AR			
3A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A,B	**103322**	LOCKWASHER, 7/16" (12.9200)		AR		AR						AR			

* NOT SERVICED; USE 5109652 HOUSING AND INCLUDE 1-5146607 BUSHING.

@ NOT SERVICED. USE PART NUMBER SHOWN IN PARENTHESES.

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 100	101	102	104	106	107	108	109	110	111	113	119	120
		5.2090 - HOUSING, THERMOSTAT (CONT'D)													
		ALSO INCLUDE ATTACHING PARTS IN 5.2090 AND OMIT GASKET IN 5.2110.													
		5.2110 - GASKET, THERMOSTAT HOUSING													
3A	**5117993**	GASKET (RIGHT BANK)	1		1		1	1	1	1	1		1	1	1
3B	**5117993**	GASKET (LEFT BANK)		1											
3B	**5117993**	GASKET (LEFT BANK)					1	1	1				1	1	1
3A	**5123716**	GASKET (LEFT BANK)				1						1			
3B	**5123715**	GASKET (RIGHT BANK)				1						1			
		5.2120 - COVER, THERMOSTAT HOUSING													
3A	**5127600**	COVER (RIGHT BANK)						1					1	1	1
3B	**5122143**	COVER (LEFT BANK)						1					1	1	1
3A	**5128268**	COVER (RIGHT BANK)				1						1			
3B	**5128269**	COVER (LEFT BANK)				1									
3B	**5127412**	COVER (LEFT BANK)	1		1					1	1				
3A	**5127411**	COVER (RIGHT BANK)	1		1					1	1				
3A	**8923541**	COVER (RIGHT BANK)							1						
3B	**5117990**	COVER (LEFT BANK)							1						
3B	**5128269**	COVER (LEFT BANK)										1			
3B	**5108324**	COVER (LEFT BANK)		1											
3A,B	**8924749**	PLUG, 1/8"-27 (12.9550)				2		2	2			2	2	2	2
3A,B	**5142549**	*PLUG, 3/4"-14 (12.9550)*						1					1		1
	5128234	PIN (JIGGLE)	2	1	2	2		2	2	2	2	2	2	2	2
3A,B	**186282**	BOLT, 3/8"-16X3 1/4" (12.9001)							8						
3A,B	**186283**	BOLT, 3/8"-16X3 1/2" (12.9001)		5		12	8	8				12	8	8	8
3A,B	**191249**	BOLT, 3/8"-16X3 3/4" (12.9001)	12		12					12	12				
3A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		5.2122 - ELBOW, THERMOSTAT HOUSING COVER OUTLET													
	5129911	ELBOW (KEEL COOLING) (RIGHT BANK)									1				
	5129857	*ELBOW (HEAT EXCHANGER COOLING)*	2							2	1				
		5.2124 - HOSE, THERMOSTAT HOUSING COVER OUTLET ELBOW													
10B	**5140553**	* *HOSE (2 3/8"I.D.X2.76"L.) (5.3365) (5199780-CUT TO 2.76"L.)*					1	1	1				1	1	1
10B	**5123708**	* HOSE (2 3/4"I.D.X2 1/4"L.) (COVER TO PUMP) (5199782-CUT TO 2.26"L.)				1						1			
10B	**5137839**	* HOSE (3"I.D.X3"L.) (5114853-CUT TO DESIRED LENGTH) (6.1147)	6							4	4				

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 100	101	102	104	106	107	108	109	110	111	113	119	120
		5.2124 - HOSE, THERMOSTAT HOUSING COVER OUTLET ELBOW (CONT'D)													
	5119659	* HOSE (3 1/2"I.D.X2 3/4"L.) (5136038) (5.3331)			1					1	1				
10D	**9139809**	CLAMP (2 1/16"-3" DIA.) (12.9660)					2	2	2				2	2	2
10D	**5188036**	CLAMP (2 9/16"-3 1/2" DIA.) (12.9660)				2				8	8	2			
	9139813	CLAMP (4" DIA.) (3.5400)	2		2					2	2				
		* NOT SERVICED. USE PART NUMBER SHOWN IN PARENTHESES AND CUT TO LENGTH SHOWN.													
		5.2126 - MANIFOLD, HEAT EXCHANGER WATER BETWEEN OUTLET ELBOWS													
	5129864	MANIFOLD (KEEL COOLING UNITS)									1				
#	**5129720**	MANIFOLD (HEAT EXCHANGER COOLING UNITS)	1							1					
	8924140	DRAINCOCK, 1/4" (12.9510)	1							1	1				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	6							6	6				
	103321	LOCKWASHER, 3/8" (12.9200)	6							6	6				
		# FIG. 10B OF 4.0000.													
		5.2128 - GASKET, HEAT EXCHANGER WATER MANIFOLD													
	5122454	GASKET	3							3	3				
		5.2130 - GASKET, THERMOSTAT HOUSING COVER													
3A,B	**5117786**	GASKET					2	2	2				2	2	2
3A,B	**5175989**	GASKET (5.2170)	2		2	2				2	2	2			
3A,B	**5108329**	GASKET		1											
		5.2135 - TUBE, THERMOSTAT HOUSING VENT													
	5121333	@ TUBE (RIGHT BANK) (DEV. L. 13.88")	1		1					1	1				
	5120686	@ TUBE (LEFT BANK) (DEV. L. 12.30")	1		1					1	1				
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	4		4					4	4				
		@ NOT SERVICED. USE 1-5133301 TUBE (RB), 1-5133244 TUBE (LB) AND INCLUDE 2-8925030 ELBOWS, 2-8925093 CONNEC TOR, AND 2-5179938 SEAL RINGS.													

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 125	127	128	131	134	137	138	139	142	151	152	155
		5.2050 - THERMOSTAT												-
3A,B	5104832	THERMOSTAT (170 DEG. OPENING TEMPERATURE)	4	4	2	4	2	4		2	4	4	4	4
3A,B	5104096	THERMOSTAT (180 DEG. OPENING TEMPERATURE)							2					
	5104238	THERMOSTAT (173 DEG. OPENING TEMPERATURE)							2					
		5.2060 - SEAL, THERMOSTAT												
3A,B	5132155	SEAL	4	4	2	4	2	4	2	2	4	4	4	4
		5.2090 - HOUSING, THERMOSTAT												
3A	5108652 *	HOUSING (RIGHT BANK)	1	1		1					1			
3B	5127692	HOUSING (LEFT BANK)	1	1		1		1			1		1	1
3A	5117997 @	HOUSING (RIGHT BANK)			1					1				
3B	5117546	HOUSING (LEFT BANK)			1					1				
	5109652	HOUSING (RIGHT BANK)					1							
	5173875	HOUSING (LEFT BANK)					1							
3B	5135149	HOUSING (RIGHT BANK)						1					1	
3A	5133120	HOUSING (RIGHT BANK)							1					
3B	5133118	HOUSING (LEFT BANK)							1					
	5122377	HOUSING (LEFT BANK)										1		
	5122628	HOUSING (RIGHT BANK)										1		
	5135149	*HOUSING (RIGHT BANK)*												1
A,B	5115214	PLUG, 1/2" PIPE (12.9550)			3		3		4	3				
3A,B	5142549	PLUG, 3/4" PIPE (12.9550)	2	2	2	2	2	2	2				1	2
3A,B	103870	PLUG, 1" PIPE (12.9550)					1							
	5179232	RING, SEAL (.424"I.D.) (2.4225)										1		
	5122612	RETAINER, VENT SEAL (IN CYLINDER HEAD)										1		
	114981	DRAINCOCK, 1/8" (12.9510)										2		
	179735	BUSHING, 3/4"-1/8" RED. (12.9570)										2		
	5146607	BUSHING, 1/2" PIPE X 1" PIPE	1			1	1			1	1			
3A,B	179839	BOLT, 3/8"-16X1" (12.9001)			2		2		1	2		2		
3A,B	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						1			2		1	1
3A,B	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	1	1		1		1			1		1	1
3A,B	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2	2		2								
3A,B	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			2		2		1	2		1		
3A,B	191249	BOLT, 3/8"-16X3 3/4" (12.9001)			1		1		1	1				
3A,B	455537	BOLT, 3/8"-16X4" (12.9001)			1		1		1	1				
3A,B	454933	BOLT, 7/16"-14X1 1/8" (12.9001)						1				1	1	1
3A,B	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	1	1		1	1				1		1	1
3A,B	450501	BOLT, 7/16"-14X2 3/4" (12.9001)	1	1		1		1			1		1	1
3A,B	103341	WASHER, 3/8" FLAT (12.9190)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A,B	5152148	WASHER, 3/8" COPPER (2.4050)			4		4		4	4		2		
3A,B	5125108	WASHER, 7/16" (2.4030)	AR	AR		AR		AR			AR	AR	AR	AR

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 125	127	128	131	134	137	138	139	142	151	152	155
		5.2090 - HOUSING, THERMOSTAT (CONT'D)												
3A,B	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A,B	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR		AR								
		* NOT SERVICED; USE 5135149 HOUSING. ALSO INCLUDE ATTACHING PARTS IN 5.2090 AND OMIT GASKETS IN 5.2110.												
		@ NOT SERVICED; USE 5109652 HOUSING AND INCLUDE 1-5146607 BUSHING.												
		5.2110 - GASKET, THERMOSTAT HOUSING												
3A	5117993	GASKET (RIGHT BANK)	1	1	1	1	1		1	1				
3B	5117993	GASKET (LEFT BANK)			1		1		1	1				
	5123570	GASKET (RIGHT BANK)							1					
3B	5123715	GASKET (RIGHT BANK)										1		
3A	5123716	GASKET (LEFT BANK)										1		
		5.2120 - COVER, THERMOSTAT HOUSING												
3B	5127412	COVER (LEFT BANK)	1	1		1		1			1		1	1
3A	5127411	COVER (RIGHT BANK)	1	1		1		1			1		1	1
3B	5122143	COVER (LEFT BANK)			1		1			1				
3A	5127600	COVER (RIGHT BANK)			1		1			1				
	5128268	COVER (RIGHT BANK)										1		
3B	5128269	COVER (LEFT BANK)										1		
	5133121	COVER ASSY. (LEFT BANK)							1					
	5133280	COVER ASSY. (RIGHT BANK)							1					
	114981	DRAINCOCK, 1/8" (12.9510)										1		
3A,B	5145009	PLUG, 1/8" PIPE (12.9550)			2		2			2				
3A,B	5121182	PLUG, 1/4" PIPE (12.9550)	2	2		2		2			2		2	2
	5145014	PLUG, 3/8" PIPE (12.9550)							2					
	5142549	PLUG, 3/4" PIPE (12.9550)					1			3	2			
	5128234	PIN (JIGGLE)	2	2	2	2	2	2	2	2	2	2	2	2
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)							4					
3A,B	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			8		8		4	8		12		
3A,B	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	12	12		12		12			2		12	
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)												12
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)							1					
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)							1					
	5150568	WASHER, 7/16" COPPER							1					
3A,B	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR	AR
		5.2122 - ELBOW, THERMOSTAT HOUSING COVER OUTLET												
	5129857	ELBOW (HEAT EXCHANGER COOLING)		2										
	5129911	ELBOW (KEEL COOLING) (RIGHT BANK)				2							2	
	5129857	ELBOW (KEEL COOLING) (LEFT BANK)				2							2	2

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 125	127	128	131	134	137	138	139	142	151	152	155
		5.2124 - HOSE, THERMOSTAT HOUSING COVER OUTLET ELBOW												
10B	5164007	HOSE (2 3/8"I.D.X2 1/8"L.) (5.3330)			1		1		1	1				
	5123708 *	HOSE (2 3/4"I.D.X2 1/4"L.) (5112537) (5.3310)										1		
	5137831 *	HOSE (3"I.D.X2.50"L.) (5114853) (5.2047)											2	2
10D	5137839 *	*HOSE (3"I.D.X3"L.) (5114853) (6.1147)(6.1147)*		4		4							4	2
	5136040 *	HOSE (3 1/2"I.D.X2.76"L.) (5136038)	1	1		1		1					1	1
10D	9139809	CLAMP (2 1/16"-3" DIA.) (12.9660)			2		2		2	2				
	5136041	CLAMP (3 1/2") (12.9660)	2	2		2		2					2	2
10D	5145769	CLAMP (3 1/2"-3 3/16" DIA.) (12.9660)(12.9660)		4		4						2	4	8
	5136306	CLAMP (4 1/16"-3 3/4" DIA.) (12.9660)						2						2
		* NOT SERVICED. USE PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.												
		5.2126 - MANIFOLD, HEAT EXC. WATER (BETWEEN OUTLET ELBOWS)												
#	5129720	MANIFOLD (HEAT EXCHANGER COOLING UNITS)		1										1
	5129864	*MANIFOLD (KEEL COOLING UNITS)*				1							1	
	103647	DRAINCOCK, 1/4" (12.9510)		1		1							1	1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		6		6							6	6
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR							AR	AR
		# FIG. 10B OF 4.0000.												
		5.2128 - GASKET, HEAT EXCHANGER WATER MANIFOLD												
	5122454	GASKET		3		3							3	3
		5.2130 - GASKET, THERMOSTAT HOUSING COVER												
3A,B	5175989	GASKET (5.2170)	2	2		2		2			2	2	2	2
3A,B	5133450	GASKET			2		2		2	2				
		5.2135 - TUBE, THERMOSTAT HOUSING VENT												
	5133301	TUBE (RIGHT BANK) (DEV. L. 6.40")	1	1		1					1			
	5133244	TUBE (LEFT BANK) (DEV. L. 6.78")	1	1		1					1			
	5133244	TUBE (RIGHT & LEFT BANK) (DEV. L.						2					2	2

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 125	127	128	131	134	137	138	139	142	151	152	155
		5.2135 - TUBE, THERMOSTAT HOUSING VENT (CONT'D)												
		6.78")												
	193004	ELBOW, 3/8" TUBE 90 DEG. SEALASTIC (12.9480)	2	2		2		2			2		2	2
	5138305	CONNECTOR, 3/8" TUBE 90 DEG. SEALASTIC (12.9415)	2	2		2		2			2		2	2
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)	2	2		2		2			2		2	2
		* INCLUDES SEAL RING IN 5.2135 PLUS NUT NOT SOLD SEPARATELY												

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 156	160	163	164	178	183	201	207	209	212	226
		5.2050 - THERMOSTAT											
3A,B	**5104832**	THERMOSTAT (170 DEG. OPENING TEMPERATURE)	2	2		4	2	4	2	4	4	4	2
	5104238	THERMOSTAT (173 DEG. OPENING TEMPERATURE)			2								
		5.2060 - SEAL, THERMOSTAT											
3A,B	**5132155**	SEAL	2	2	2	4	2	4	2	4	4	4	
		5.2090 - HOUSING, THERMOSTAT											
3B	**5127692**	HOUSING (LEFT BANK)				1				1			
3A	**5117997**	* HOUSING (RIGHT BANK)	1	1			1						
3B	**5117546**	HOUSING (LEFT BANK)	1	1			1						1
	5109652	HOUSING (RIGHT BANK)											1
3B	**5135149**	HOUSING (RIGHT BANK)				1				1			
3A	**5133120**	HOUSING (RIGHT BANK)			1								
3B	**5133118**	HOUSING (LEFT BANK)			1								
	5122377	HOUSING (LEFT BANK)						1			1		
	5122628	HOUSING (RIGHT BANK)						1			1		
3B	**5124286**	HOUSING (LEFT BANK)							1				
	5145357	@ HOUSING (RIGHT BANK) (5122628)										1	
	5144561	@ HOUSING (LEFT BANK) (5122377)										1	
	5121182	PLUG, 1/4" PIPE (12.9550)								2			
3A,B	**5115214**	PLUG, 1/2" PIPE (12.9550)	4	5	4		4		2				5
	5142549	PLUG, 3/4" PIPE (12.9550)	2		2	2		1		2	1	2	2
	5179232	RING, SEAL (.424"I.D.) (2.4225)						1			1	1	
	5122612	RETAINER, VENT SEAL (IN CYLINDER HEAD)						1			1	1	
	5146607	BUSHING, 1/2" PIPE X 1" PIPE				1		1				1	1
3A,B	**179839**	BOLT, 3/8"-16X1" (12.9001)	2	2	1		2	2	1	1	2	2	2
3A,B	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)				1				1			
3A,B	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)				1							
3A,B	**186628**	BOLT, 3/8"-16X1 1/2" (12.9001)	2	2			2						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			3			2				2	3
3B	**179844**	BOLT, 3/8"-16X1 5/8" (12.9001)							1		1		
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)	1	1	1		1						1
3A,B	**455537**	BOLT, 3/8"-16X4" (12.9001)	1	1	1		1						1
3B	**9418964**	BOLT, 3/8"-16X5" (12.9001)							1				
3A,B	**454933**	BOLT, 7/16"-14X1 1/8" (12.9001)			1			1	1	1	1	1	
3A,B	**427564**	BOLT, 7/16"-14X1 3/8" (12.9001)				1				2			
3A,B	**450501**	BOLT, 7/16"-14X2 3/4" (12.9001)				1				1			
3A,B	**103341**	WASHER, 3/8" FLAT (12.9190)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A,B	**5152148**	WASHER, 3/8" COPPER (2.4050)	4	4	4		4	2	2		2	2	4
3A,B	**5125108**	WASHER, 7/16" (2.4030)			AR	AR		AR	AR	AR	AR	AR	
3A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR		AR	AR	AR

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 156	160	163	164	178	183	201	207	209	212	226
		5.2090 - HOUSING, THERMOSTAT (CONT'D)											
		* NOT SERVICED; USE 5109652 HOUSING AND INCLUDE 1-5146607 BUSHING.											
		@ NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES											
		5.2105 - HOSE, THERMOSTAT HOUSING WATER OUTLET											
	5147436	TUBE (DEV. L. 15.16") (5.2160)											1
	5147439	STRAP, TUBE SUPPORT (5.2190)											1
	5127932	CLIP, 2 1/2" (4.5004)											1
	179839	BOLT, 3/8"-16X1" (12.9001)											1
	103341	WASHER, 3/8" FLAT (12.9190)											1
	103321	LOCKWASHER, 3/8" (12.9200)											1
	123221	NUT, 3/8"-16 (12.9120)											1
		5.2110 - GASKET, THERMOSTAT HOUSING											
3A	5117993	GASKET (RIGHT BANK)	1	1			1						1
3B	5117993	GASKET (LEFT BANK)	1	1	1		1		1				1
	5123570	GASKET (RIGHT BANK)			1								
3B	5123715	GASKET (RIGHT BANK)									1	1	
3A	5123716	GASKET (LEFT BANK)						1			1	1	
		5.2120 - COVER, THERMOSTAT HOUSING											
3B	5127412	COVER (LEFT BANK)								1			
3A	5127411	COVER (RIGHT BANK)				1				1			
3B	5122143	COVER (LEFT BANK)	1	1									
3A	5127600	COVER (RIGHT BANK)		1									1
	5128268	COVER (RIGHT BANK)						1				1	
3B	5128269	COVER (LEFT BANK)						1				1	
	5134160	COVER (RIGHT BANK)	1										
	5137543	COVER (LEFT BANK)				1							
	5140802	COVER (LEFT BANK)					1						
	5140801	COVER (RIGHT BANK)					1						
3B	5108324	COVER (LEFT BANK)							1				
	5143187	COVER (RIGHT BANK)									1		
	5143188	COVER (LEFT BANK)									1		
3B	5147435	COVER (LEFT BANK)											1
	5133121	COVER ASSY. (LEFT BANK)			1								
	5133280	COVER ASSY. (RIGHT BANK)			1								
3A,B	5145009	PLUG, 1/8" PIPE (12.9550)	2	2			1	2			2	2	2
3A,B	5121182	PLUG, 1/4" PIPE (12.9550)				2	1		1				
	5145014	PLUG, 3/8" PIPE (12.9550)			2								

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 156	160	163	164	178	183	201	207	209	212	226
		5.2120 - COVER, THERMOSTAT HOUSING (CONT'D)											
	5142549	PLUG, 3/4" PIPE (12.9550)	1										
	5128234	PIN (JIGGLE)	2	2	2	2	2	2	2	2	2	2	2
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)			4								
3A,B	**186283**	BOLT, 3/8"-16X3 1/2" (12.9001)	8	8	4		8	12	5		12	12	8
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)				12				12			
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)			1								
3A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR
		5.2122 - ELBOW, THERMOSTAT HOUSING COVER OUTLET											
	5122459	ELBOW (KEEL COOLING) (LEFT BANK)											1
	5111459	ELBOW (KEEL COOLING) (LEFT BANK) (5.5070)		1									
10D	**5122410**	ELBOW (KEEL COOLING) (RIGHT BANK)		1									1
	5122420 *	ELBOW (KEEL COOLING) (RIGHT BANK)						1					
	5122423	ELBOW (KEEL COOLING) (LEFT BANK)						1					
	5122423	ELBOW (HEAT EXCHANGER COOLING)										2	
		* NOT SERVICED. FOR SERVICE USE 5132552 ELBOW AND 1-444692 PLUG.											
		5.2124 - HOSE, THERMOSTAT HOUSING COVER OUTLET ELBOW											
	5127299	HOSE (2 1/4"I.D.X2 1/4"L.)		4									4
10B	**5164007**	HOSE (2 3/8"I.D.X2 1/8"L.) (5.3330)	1		1								
10A,B	**5177273**	HOSE (2 1/2"I.D.X2 1/4"L.)						4				4	
	5123708 @	HOSE (2 3/4"I.D.X2 1/4"L.) (5112537) (5.3310)						1			1	1	
	5136040 @	HOSE (3 1/2"I.D.X2.76"L.) (5136038)				1							
	9139809	CLAMP (2 1/16"-3" DIA.) (12.9660)	2	8	2			8				8	8
	5136041	CLAMP (3 1/2") (12.9660)				2							
10D	**5145769**	CLAMP (3 1/2"-3 3/16" DIA.) (12.9660)						2			2	2	
		@ NOT SERVICED. USE PART NUMBER SHOWN AND CUT TO DESIRED LENGTH.											
		5.2126 - MANIFOLD, HEAT EXC. WATER (BETWEEN OUTLET ELBOWS)											
	5122503	MANIFOLD (KEEL COOLING UNITS)		1									
	5122457	MANIFOLD (HEAT EXCHANGER COOLING UNITS)						1					
	5122458	MANIFOLD (HEAT EXCHANGER COOLING)										1	
	103647	DRAINCOCK, 1/4" (12.9510)						1				1	

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 156	160	163	164	178	183	201	207	209	212	226
		5.2126 - MANIFOLD, HEAT EXC. WATER (BETWEEN OUTLET ELBOWS) (CONT'D)											
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		4				6				6	
	103321	LOCKWASHER, 3/8" (12.9200)		AR				AR			AR	AR	
		5.2128 - GASKET, HEAT EXCHANGER WATER MANIFOLD											
	5122454	GASKET						3				3	
	5124029	GASKET		1									
		5.2130 - GASKET, THERMOSTAT HOUSING COVER											
3A,B	**5117786**	GASKET											2
3A,B	**5175989**	GASKET (5.2170)				2		2		2	2	2	
3A,B	**5133450**	GASKET	2	2	2		2						
3B	**5108329**	GASKET							1				
		5.2135 - TUBE, THERMOSTAT HOUSING VENT											
	5133244	TUBE (RIGHT & LEFT BANK) (DEV. L. 6.78")				2							
	193004	ELBOW, 3/8" TUBE 90 DEG. SEALASTIC (12.9480)				2							
	5179936	CONNECTOR, 3/8" TUBE 90 DEG. SEALASTIC (12.9415)				2							
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)				2							
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)				2							

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 238	242	247	248	249	250	253	255	278	287	304	305	306
		5.2050 - THERMOSTAT ASSY.													
3A,B	5104832	THERMOSTAT	2	4					2			2	4	4	2
	5102112	THERMOSTAT			2	2	2	2							
	5102651	THERMOSTAT								2	2				
		5.2060 - SEAL, THERMOSTAT													
3A,B	5132155	SEAL	2		2	2		2	2	2	2	2	4	4	2
		5.2090 - HOUSING, THERMOSTAT													
3B	5117546	HOUSING (LEFT BANK)	1		1	1	1	1	1	1					
3B	5106003	HOUSING (LEFT BANK)									1	1			1
3A	5109652	HOUSING (RIGHT BANK)	1		1	1	1	1	1	1					1
3A	5100778	HOUSING (RIGHT BANK)									1	1			1
3B	5122377	HOUSING (LEFT BANK)		1									1	1	
3A,B	8921952	HOUSING (RIGHT BANK)													
	5122628	HOUSING (RIGHT BANK)		1									1	1	
3A,B	8921953	HOUSING (LEFT BANK)										1			
	8924380	PLUG, 1/8" PIPE (12.9550)													
3A,B	5115214	PLUG, 1/2" PIPE (12.9550)	4		4	5	2	5	4	4	4	4			5
	8923916	PLUG, 1/2" PIPE (12.9550)													
	5142549	PLUG, 3/4" PIPE (12.9550)	3	1	3	2		2	3	2	3	3	3		2
	8924750	PLUG, 1" PIPE (12.9550)									2	2	1		1
	5179232	RING, SEAL (.424" I.D.) (2.4225)		1									1	1	
	5122612	RETAINER, VENT SEAL (IN CYL. HD.)		1									1	1	
	5146607	BUSHING, 1/2"X1" PIPE	1		1	1	1	1	1						1
3A,B	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2	2	2	2	2					
	5101377	BOLT, 3/8"-16X1" (W/SEAL PATCH) (5.2020)									1	1	2	2	2
3A,B	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2	2
	5104156	BOLT, 3/8"-16X1 1/2" (W/SEAL PATCH) (12.9001)									1	1			
	214265	* BOLT, 3/8"-16X3 3/4" (12.9001)	1		1	1	1	1	1	1					
	455537	BOLT, 3/8"-16X4" (12.9001)	1		1	1	1	1	1	1					
	5104158	BOLT, 3/8"-16X4" (W/SEAL PATCH) (12.9001)									1	1			1
	8921935	BOLT, 7/16"-14X1.12" (W/SEAL PATCH) (12.9001)											2	2	
3A,B	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		2											
	5104163	BOLT, 7/16"-14X1 3/4" (W/SEAL PATCH) (12.9001)									1	1			
	8921931	BOLT, 3/8"-16X4 1/4" (W/SEAL PATCH) (12.9001)										1			1
3A,B	103341	WASHER, 3/8" (12.9190)	2	2	2	2	2	2	2	4	2	2	2	2	2
3A,B	5152148	WASHER, 3/8" (2.4050)	2	2	4	4	4	4	4	4					
3A,B	5125108	WASHER, 7/16" (2.4030)		2											
3A,B	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2	2	6	6	4	4	6
	103322	LOCKWASHER, 7/16" (12.9200)									1	1	2	2	
		* OBSOLETE-NO REPLACEMENT.													
		5.2105 - HOSE, THERMOSTAT HOUSING WATER OUTLET													
	5147436	TUBE (DEV.L. 15.16") (5.2160)						1							
	5147439	STRAP, TUBE SUPPORT (5.2190)						1							
	5127932	CLAMP, 2 1/2" (4.5004)						1							
	179839	BOLT, 3/8"-16X1" (12.9001)						1							
	103341	WASHER, 3/8" (12.9190)						1							
	103321	LOCKWASHER, 3/8" (12.9200)						1							
	123221	NUT, 3/8"-16 (12.9120)						1							

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 238	242	247	248	249	250	253	255	278	287	304	305	306
		5.2110 - GASKET, THERMOSTAT HOUSING													
3A	**5117993**	GASKET (LEFT BANK/RIGHT BANK)	2		2	2	2	2	2	2	1	1			2
3A	**5123716**	GASKET (LEFT BANK)		1									1	1	
3B	**5123715**	GASKET (RIGHT BANK)		1									1	1	
	5123570	GASKET (RIGHT BANK/LEFT BANK)								1		2			

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 238	242	247	248	249	250	253	255	278	287	304	305	306
		5.2120 - COVER, THERMOSTAT HOUSING													
3B	5122143	COVER (LEFT BANK)	1		1				1	1					1
3A	5127600	COVER (RIGHT BANK)	1			1		1	1	1					1
	5148326	COVER (LEFT BANK)		1											
	5148327	COVER (RIGHT BANK)		1											
	5147435	COVER (LEFT BANK)						1							
3B	5127412	COVER (LEFT BANK)													
	5127599	COVER (LEFT BANK)				1									
3A	5127411	COVER (RIGHT BANK)			1										
	5100858	+ COVER (RIGHT BANK)									1	1			
3B	5140802	COVER (LEFT BANK)					1								
	5100859	# COVER (LEFT BANK)									1	1			
	5128268	COVER (RIGHT BANK)											1	1	
	8923541	COVER (RIGHT BANK)					1								
	5128269	COVER (LEFT BANK)											2	1	
3A,B	8924380	PLUG, 1/8" PIPE (12.9550)	2	1	2	2	3	2	2	2	2	1	2	2	2
3A,B	5121182	PLUG, 1/4" PIPE (2.4015)		1			2						1	1	
	5136241	PLUG, .58" DIA. (2.2001)									2	1			
3A,B	5115214	PLUG, 1/2" PIPE (12.9550)					1								
	5142549	PLUG, 3/4" PIPE (12.9550)												1	
	5128234	PIN (JIGGLE)	2		2	2		2	2	2			2	2	2
	114981	DRAINCOCK, 1/8" (12.9510)											2	2	
	5146021	PLATE, WATER PUMP ORIFICE									1				
3A,B	186282	BOLT, 3/8"-16X3 1/4" (12.9001)		6										6	
3A	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	8	6	8	8	8	8	8	8	8	8	6	6	8
	9418964	BOLT, 3/8"-16X5" (12.9001)									1	1			
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)													
3A	103321	LOCKWASHER, 3/8" (12.9200)	8	12	8	8	8	8		8	9	9	6	12	8
		# NOT SERVICED; USE ONE EACH OF 5100850 & 5132155.													
		+ NOT SERVICED; USE ONE EACH OF 5100771 & 5132155.													
		5.2122 - ELBOW, THERMOSTAT HOUSING COVER OUTLET													
	5148333	ELBOW (HEAT EXCHANGER COOLING)		2											
	5122410	ELBOW (KEEL AND HEAT EXCHANGER COOLING)			2	1		1					1		
	5132552	ELBOW (KEEL COOLING)				1		1					1	2	
	5122459	ELBOW (KEEL COOLING)											1		
	5122423	ELBOW (KEEL COOLING)		2											
	5120540	GASKET (4.5007)		4					4						
	444692	PLUG, 1/4" (12.9550)		4											
	179839	BOLT, 3/8"-16X1" (12.9001)													
	103321	LOCKWASHER, 3/8" (12.9200)													
		5.2124 - HOSE, THERMOSTAT HOUSING COVER OUTLET ELBOW													
10B	5199781	* HOSE (2 1/2"I.D.X2 1/4"L.) (5.3310)		3							1		4	4	
	695616	HOSE (2.38" I.D.X2.12" L.)					1			1		1			1
10B	5199780	* HOSE (2 1/2"I.D.X2.12"L.) (5.3365)		1									1	1	
10B	5199782	* HOSE (2 3/4"I.D.X2 1/4"L.) (5.3310)	2												
10B	5199779	* HOSE (2 1/4"I.D.X4.26"L.) (5.3290)			4	4		4							
10D	5199779	* HOSE (2 1/4"I.D.X2.24"L.) (5.3290)							2						
10D	5199779	* HOSE (2 1/4 I.D.X3.32 L.)(5.3290)		1											
10B	5148381	HOSE (2 1/2"O.D.X6.76"L.)		6											
10D	9139809	CLAMP (2 1/16"-3" DIA.) (12.9660)	4		8	8	2	8	4	2	8	2	8	8	2
10D	5102013	CLAMP (2 1/2"X3" DIA.)									2		2	2	
10D	5188036	CLAMP (2 9/16"-3 1/2" DIA.) (12.9660)		2											
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.													

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 238	242	247	248	249	250	253	255	278	287	304	305	306
		5.2126 - MANIFOLD, HEAT EXCHANGER WATER BETWEEN OUTLET ELBOWS													
#	**5100786**	MANIFOLD (HEAT EXCHANGER UNITS)	1												
#	**5122504**	MANIFOLD (HEAT EXCHANGER UNITS)			1										
	5122503	MANIFOLD (KEEL COOLING UNITS)				1									

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 238	242	247	248	249	250	253	255	278	287	304	305	306
		5.2126 - MANIFOLD, HEAT EXCHANGER WATER BETWEEN OUTLET ELBOWS (CONT'D)													
#	**5122458**	MANIFOLD (HEAT EXCHANGER UNITS)		1										1	
#	**5122457**	MANIFOLD (HEAT EXCHANGER UNITS)											1		
	5102365	MANIFOLD (KEEL COOLING UNITS)							1						
	8924140	DRAINCOCK, 1/4" (12.9510)	1	1					1				1	1	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	6	6	4	4			6				6	6	
	103321	LOCKWASHER, 3/8" (12.9200)	6	6					6				6	6	
		# FIG. 10B OF 4.0000.													
		5.2128 - GASKET, HEAT EXCHANGER WATER MANIFOLD													
	5122454	GASKET	3	3					3				3	3	
	5124029	GASKET			1	1									
		5.2130 - GASKET, THERMOSTAT HOUSING COVER													
3A,B	**5117786**	GASKET	2		2	2	2	2	2	2	1	1			2
	5100860	GASKET									1	1			
3A,B	**5175989**	GASKET (5.2170)		2									1	2	

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 309	310	311	312	313	325	328	332	334
		5.2050 - THERMOSTAT ASSY.									
	5102112	THERMOSTAT	2								
	5104832	THERMOSTAT		4	4	4	4	2	4	4	4
		5.2060 - SEAL, THERMOSTAT									
3A,B	5132155	SEAL	2	4	4	4	4	2	4	4	4
		5.2090 - HOUSING, THERMOSTAT									
3B	5106003	HOUSING (LEFT BANK)	1								
3A	5109652	HOUSING (RIGHT BANK)	1					1			
3A	5135149	HOUSING (RIGHT BANK)		1		1					
3B	5107643	HOUSING (LEFT BANK)		1	1	1					
3B	5122377	HOUSING (LEFT BANK)					1				
3A	5122628	HOUSING (RIGHT BANK)					1		1	1	1
3B	5117546	HOUSING (LEFT BANK)						1			
3B	8922769	HOUSING (LEFT BANK)							1	1	1
	5107642	STUD, 3/4"N.P.T.F.X1/2"-13		1	1	1					
3A,B	5115214	PLUG, 1/2"-14 (12.9550)	3					4			
	8923916	PLUG, 1/2"-14 (12.9550)						2			
	5142549	PLUG, 3/4"-14 (12.9550)	1	2	2	2	3	2	2	1	2
	5146607	BUSHING, RED 1/2"X1"						1			
	5179232	RING, SEAL (.424" I.D.) (2.4225)					1		1	1	1
	5122612	RETAINER, VENT SEAL (IN CYL. HEAD)					1		1	1	1
3A,B	179839	BOLT, 3/8"-16X1" (12.9001)	2								
3A,B	5101377	BOLT, 3/8"-16X1" (5.2020)					2	2	2	2	1
3A,B	5104599	BOLT, 3/8"-16X1.13" (12.9001)		1	1	1					
3A,B	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		1	1	1					
3A,B	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	2				2	2	2	2	3
3A,B	5104157	BOLT, 3/8"-16X3.75" (12.9001)						1			
3A,B	455537	BOLT, 3/8"-16X4" (12.9001)	1								
	5104158	BOLT, 3/8"-16X4" (12.9001)						1			
3A,B	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	1								
3A,B	8921931	BOLT, 3/8"-16X4.75" (12.9001)									1
3A,B	8921935	BOLT, 7/16"-14X1.12" (12.9001)		1	1	1	2		2	2	2
3A,B	5104605	BOLT, 7/16"-14X2.75" (12.9001)		2	2	2					
3A,B	103321	LOCKWASHER, 3/8" (12.9200)	6	2	2	2	4	6	4	2	4
3A,B	103322	LOCKWASHER, 7/16" (12.9200)		3	3	3	2		2	2	2
3A,B	103323	LOCKWASHER, 1/2" (12.9200)		1	1	1					
3A,B	5152148	WASHER, 3/8"X9/16" (COPPER)	4								
3A,B	103341	WASHER, 3/8" (12.9190)	2	2	2	2	2	2	2	4	2
3A,B	103342	WASHER, 7/16" (12.9190)		1	1	1					
3A,B	106264	WASHER, 7/16" (12.9190)		1	1	1					
3A,B	102637	NUT, 1/2"-13 (12.9120)		1	1	1					
		5.2110 - GASKET, THERMOSTAT HOUSING									
3B	5117993	GASKET (LEFT BANK)	1					1			
3A	5117993	GASKET (RIGHT BANK)	1					1			
3B	5123716	GASKET (LEFT BANK)					1		1	1	1
3A	5123715	GASKET (RIGHT BANK)					1		1	1	1
		5.2120 - COVER, THERMOSTAT HOUSING									
3B	5140802	COVER (LEFT BANK)	1								
3A	8923541	COVER (RIGHT BANK)	1								
	5143188	COVER (LEFT BANK)									1
	5143187	COVER (RIGHT BANK)									1
3B	5127412	COVER (LEFT BANK)		1	1	1					
3A	5127411	COVER (RIGHT BANK)		1	1	1					

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 309	310	311	312	313	325	328	332	334
		5.2120 - COVER, THERMOSTAT HOUSING (CONT'D)									
3B	5128269	COVER (LEFT BANK)					1			1	
3A	5128268	COVER (RIGHT BANK)					1			1	
3B	5127599	COVER (LEFT BANK)						1			
3A	5127600	COVER (RIGHT BANK)						1			
	5122626	+ COVER (LEFT BANK)							1		
	5122625	= COVER (RIGHT BANK)							1		
3A,B	5128234	PIN	2	2	2	2	2	2	2	2	2
	5146021	PLATE, WATER PUMP ORIFICE						1			
3B	8924380	PLUG, 1/8"-27 (12.9550)					2	2	2	2	
	8923847	PLUG, 1/4"							1		
3B	5121182	PLUG, 1/4" (2.4015)	2	2	2	2	1				
	5115214	PLUG, 1/2" (R. BANK) (12.9550)	1								
	5142549	PLUG, 3/4"-14 (12.9550)							1	1	
3A,B	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	8				12	8	12	12	12
3A,B	191249	BOLT, 3/8"-16X3 3/4" (12.9001)		12	12	12					
3A,B	103321	LOCKWASHER, 3/8" (12.9200)	8	12	6	12	12	8	12	12	12
		= NOT SERVICED, USE 5128268, 2-5132155, 2-5128234.									
		+ NOT SERVICED, USE 5128269, 2-5132155, 2-5128234, 1-114981.									
		5.2122 - ELBOW, THERMOSTAT HOUSING COVER OUTLET									
	5132552	ELBOW (KEEL COOLING)					1				
	5122423	ELBOW (KEEL COOLING)					1				
3A	5129911	ELBOW (HEAT EXCHANGER COOLING)				1					
	5129857	ELBOW (KEEL COOLING UNIT)				1					
	444692	PLUG, 1/4" (12.9550)					1				
		5.2124 - HOSE, THERMOSTAT HOUSING COVER OUTLET ELBOW									
10A	5199781	HOSE (2 1/2"I.D.X2.25"L.) (5.2165)					4				
10A	5199782	HOSE (2 3/4"I.D.X2.26"L.) (5.3330)					1		1	1	1
10A	5199780	HOSE (2 3/8"I.D.X2.12"L.) (5.3365)	1					1			
10A	5136038	HOSE (3 1/2"I.D.X2.76"L.) (4.4213)		1	1	1					
10A	5114853	HOSE (3"I.D.X3"L.) (5.3335)			4	4					
10A	9139809	CLAMP (2 1/16"-3" DIA.) (12.9660)	2				8	2			
10A	5188036	CLAMP (2 9/16"-3 1/2" DIA.) (12.9660)					2		2	2	2
10A	5136306	CLAMP (4.062" I.D.) (12.9660)		2	2	2					
10A	5145769	CLAMP (3.5" I.D.) (12.9660)			8	8					
		5.2126 - MANIFOLD, HEAT EXCHANGER WATER BETWEEN OUTLET ELBOWS									
#	5122457	MANIFOLD (KEEL COOLING UNITS)					1				
	5129864	MANIFOLD (HEAT EXCHANGER UNITS)				1					
	5129720	MANIFOLD (HEAT EXCHANGER UNITS)			1						
	8924140	DRAINCOCK, 1/4" (12.9510)			6	1	1				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			6	6	6				
	103321	LOCKWASHER, 3/8" (12.9200)			6	6	6				
		# FIG. 10B OF 4.0000									
		5.2128 - GASKET, HEAT EXCHANGER WATER MANIFOLD									
	5122454	GASKET			3	3	3				

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 309	310	311	312	313	325	328	332	334
		5.2130 - GASKET, THERMOSTAT HOUSING COVER									
3A,B	**5117786**	GASKET	2					2			
3A,B	**5175989**	GASKET (5.2170)		2	2	2	2		2	2	2
		5.2135 - TUBE, THERMOSTAT HOUSING VENT									
	5133244	TUBE (RIGHT & LEFT BANKS) (DEV. L. 6.78")		2	2	2					
	193004	ELBOW, 3/8" TUBE 90 DEG. SEALASTIC (12.9480)		2	2	2					
	8925093	CONNECTOR, 3/8" TUBE (12.9415)		2	2	2					
	5179938	RING, SEAL 3/8" (12.9435)		2		2					

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5.2000C WATER BY-PASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 136	140	141	142	175	180	189	193	197	198	223	224
		5.2160 - TUBE, WATER BY-PASS												
	5104548	TUBE						1						
	5130036	# TUBE (CAST IRON)								1	1	1		
3A,B	5130285	TUBE (13.10"L.)							1					
	5135000	TUBE (13 1/8"L.)												1
3A,B	5117989	TUBE (13 1/8"L.)	1											
3A,B	5146357	TUBE (DEV. L. 13 3/8")				1								
3A,B	5122398	TUBE (DEV. L. 16 5/8")		1										
3A,B	5123500	TUBE (DEV. L. 16 5/8")			1									
	5135390	TUBE (17.00"L.)											1	
3A,B	5127633	TUBE (18.00"L.)					1							
	5130521	SPACER (5/8"O.D.X54")									1	1		
	5130444	SPACER (1"O.D.X2.02")										2		
	103647	DRAINCOCK, 1/4" (12.9510)			1				1					
	5121182	PLUG, 1/4" PIPE (12.9550)			1	1			1					
	5145014	PLUG, 3/8" PIPE (12.9550)									1	1	1	
	5115214	PLUG, 1/2" PIPE (12.9550)												1
	142314	BOLT, 3/8"-24X7 3/4" (12.9001)								1	1	1		
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)								2	2	2	2	
	103321	LOCKWASHER, 3/8" (12.9200)								1	1	1		
	103322	LOCKWASHER, 7/16" (12.9200)								2	2	2	2	
	117049	NUT, 3/8"-24 HEX. (12.9120)								1	1	1		
		# NOT SERVICED; REPLACE WITH 1-5135390 TUBE AND 1-186315 BOLT WITH FRONT MOUNTED GENERATOR OR 1-5131478 BOLT WITH NO FRONT MOUNTED GENERATOR.												
		5.2165 - HOSE, WATER BY-PASS TUBE												
3A,B	5117994	@ HOSE (1 3/4"I.D.X2"L.) (5199776)	2						2					2
3A,B	3222709	@ HOSE (1 3/4"I.D.X2 3/4"L.) (5199776)				2								
3A,B	5173450	@ HOSE (2"I.D.X2 1/2"L.) (5199778)		2	2									
3A,B	5136039	@ HOSE (2 1/2"I.D.X2.74"L.) (5199781)					2			2	2	2	2	
3A,B	5140553	@ HOSE (2 3/8 I.D.X2.76"L.) (5199780)						1						
3A,B	5140552	@ HOSE (2 3/8"I.D.X2 1/8"L.) (5199780) (5.2124)						1						
3A,B	5186841	CLAMP (1 9/16"-2 1/2" RANGE) (12.9660)	4	4	4	4			4					4
3A,B	9139809	CLAMP (2 1/16"-3" RANGE) (12.9660)						4						
	5135647	CLAMP (2 3/4"-3 1/16" RANGE) (12.9660)					4			4	4	4	4	
		@ NOT SERVICED; USE PART NUMBER SHOWN CUT TO DESIRED LENGTH.												
		5.2190 - CLIP, WATER BY-PASS TUBE												
	5108249	CLIP (2 3/8")						1						
	5109066	BRACKET						1						
	186629	BOLT, 5/16"-18X1" (12.9001)						1						

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5.2000C WATER BY-PASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 136	140	141	142	175	180	189	193	197	198	223	224
		5.2190 - CLIP, WATER BY-PASS TUBE (CONT'D)												
	120393	WASHER, 5/16" FLAT (12.9190)						1						
	103320	LOCKWASHER, 5/16" (12.9200)						1						
	120376	NUT, 5/16"-18 HEX. (12.9120)						1						

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5.2000C WATER BY-PASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 230	234	248	249	277	282	285	287	296	314	316	428
		5.2160 - TUBE, WATER BY-PASS												
	5143581	TUBE ASSY. (16.26"L.)									1			
	5186203	* TUBE (L.H.)						1						
	5133282	TUBE (10.80"L.)			1	1								
3A,B	5130285	TUBE (13.10"L.)							1					
3A,B	5122398	TUBE (DEV. L. 16 5/8")								1			1	
	8922592	TUBE (DEV. L. 16.58")												1
	5135390	TUBE (17.00"L.)		1										
	5135784	TUBE (18.00"L.)	1									1		
	5160425	SPACER (13/32"X23/32") (2.3267)						1						
	5130444	SPACER (1"O.D.X2.02")		2										
	103647	DRAINCOCK, 1/4" (12.9510)									1	1	1	
	5121182	PLUG, 1/4" PIPE (12.9550)	1									1	1	
	5145014	PLUG, 3/8" PIPE (12.9550)		1										
	5145014	PLUG, 3/8" PIPE (12.9550)						2						
	5181357	PLUG, 1 7/8" CUP (1.1020)												1
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)						1						
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	2	2										
	103322	LOCKWASHER, 7/16" (12.9200)	2	2										
		* INCLUDES THERMOSTAT HOUSING.												
		5.2165 - HOSE, WATER BY-PASS TUBE												
3A,B	5117994	@ HOSE (1 3/4"I.D.X2"L.) (5199776)			2	2								
3A,B	3222709	@ HOSE (1 3/4"I.D.X2 3/4"L.) (5199776)							2					
3A,B	5173450	@ HOSE (2"I.D.X2 1/2"L.) (5199778)									2		2	
	5141193	HOSE (2"I.D.X2.50"L.)								2				2
3A,B	5137848	@ HOSE (2 1/2"I.D.X2.25"L.) (5199781)	2									2		
3A,B	5136039	@ HOSE (2 1/2"I.D.X2.74"L.) (5199781)		2										
3A,B	5186841	CLAMP (1 9/16"-2 1/2" RANGE) (12.9660)			4	4			4				4	
3A,B	9139809	CLAMP (2 1/16"-3" RANGE) (12.9660)									4			4
	5135647	CLAMP (2 3/4"-3 1/16" RANGE) (12.9660)	4	4						4		4		
		@ NOT SERVICED; USE PART NUMBER SHOWN CUT TO DESIRED LENGTH.												
		5.2190 - CLIP, WATER BY-PASS TUBE												
	5157702	CLIP (1") (4.8040)						1						
		5.2210 - ELBOW, WATER MANIFOLD OUTLET												
	5140820	ELBOW (5.3312)					1							
	5134644	ELBOW						1						
	103647	DRAINCOCK, 1/4" (12.9510)					1							
	5121182	PLUG, 1/4" PIPE (12.9550)					1							
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)						4						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					2							

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5.2000C WATER BY-PASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 230	234	248	249	277	282	285	287	296	314	316	428
		5.2210 - ELBOW, WATER MANIFOLD OUTLET (CONT'D)												
	103320	LOCKWASHER, 5/16" (12.9200)						4						
	103321	LOCKWASHER, 3/8" (12.9200)					2							
		5.2215 - GASKET, WATER BY-PASS TUBE ELBOW												
	5134679	GASKET (5.3325)					1							
	5169478	GASKET (5.2110)						2						

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5.2000C WATER BY-PASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 337	347	373	398
		5.2160 - TUBE, WATER BY-PASS				
	5147437	TUBE (DEV. L. 19.84") (LOWER)			1	
	5104548	TUBE				1
		5.2165 - HOSE, WATER BY-PASS TUBE				
	5140553 *	HOSE (2 3/8"X2.78" L.) (5199780)				1
3A,B	**3854554**	HOSE (1 3/4"I.D.X2.38"L.)			2	
	5140553 *	HOSE (2 3/8 X2.76") (5199780)				1
3A,B	**5186841**	CLAMP (1 9/16"-2 1/2" RANGE) (12.9660)SHOWN CUT TO DESIRED LENGTH			4	
	5145033	CLAMP (2 9/16" T-BOLT W/SPRING)				4
		5.2190 - CLIP, WATER BY-PASS TUBE				
	5141723	CLIP (1 1/2") (4.1522)			1	
	5108249	CLIP (2 3/8")				1
	5109066	BRACKET				1
	5181349	SPACER, 25/64"I.D.X.62"L. (3.3060)			1	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			1	
	186629	BOLT, 5/16"-18X1" (12.9001)				2
	120393	WASHER, 5/16" FLAT (12.9190)				2
	103341	WASHER, 3/8" FLAT (12.9190)			1	
	103321	LOCKWASHER, 3/8" (12.9200)			1	
	103320	LOCKWASHER, 5/16" (12.9200)				2
	120376	NUT, 5/16"-18 HEX. (12.9120)				2
		5.2210 - ELBOW, WATER MANIFOLD OUTLET				
	5142013	ELBOW	1			
	5140820	ELBOW (5.3312)		1		
	179826	BOLT, 5/16"-18X2" (12.9001)	2			
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)		2		
	103320	LOCKWASHER, 5/16" (12.9200)	2			
	103321	LOCKWASHER, 3/8" (12.9200)		2		
		5.2215 - GASKET, WATER BY-PASS TUBE ELBOW				
	5146136	GASKET (5.3325)	1			
	5134679	GASKET (5.3325)		1		

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 63	65	66	67	73	75	115	120	122	124	140	143
		5.3001 - RADIATOR ASSY.												
		REFER TO ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW IN PARENTHESES. CUSTOMER MUST IDENTIFY MANUFACTURER.												
4A	**5140842**	* RADIATOR ASSY. (PAGE A1)									1			
4A	**5123783**	RADIATOR ASSY. (PAGE A1)	1							1				
4A	**5123784**	# RADIATOR ASSY. (PAGE A1)		1										
4A	**5123784**	& RADIATOR ASSY. (PAGE A1)		1										
4A	**5101906**	RADIATOR ASSY. (PAGE A1)											1	
4A	**5124077**	* RADIATOR ASSY. (PAGE A1)			1									
4A	**5125285**	# RADIATOR ASSY. (PAGE A1)				1								
4A	**5125285**	& RADIATOR ASSY. (PAGE A1)				1								
4A	**5126568**	RADIATOR ASSY. (INCLUDES CAP & GASKET) (PAGE A1)					1							
4A	**5124340**	RADIATOR ASSY. (INCLUDES CAP & GASKET) (PAGE A1)						1				1		
4A	**5138890**	@ RADIATOR ASSY. (PAGE A1)							1					
4A	**5102865**	RADIATOR ASSY. (PAGE A1)												1
	3116561	VALVE ASSY., SHUTOFF (3/8") (5.7100)	1	1	1	1				1				
	5177446	SHIM (.062") (11.1073)		AR		AR								
	5121182	PLUG, 1/4" PIPE (12.9550)	1							1				
	186629	BOLT, 5/16"-18X1" (12.9001)					10	10						
	271562	BOLT, 5/8"-11X2" (12.9001)		4		4								
	271584	BOLT, 5/8"-18X1 5/8" (12.9001)			4									
	271585	BOLT, 5/8"-18X1 3/4" (12.9001)	4											
	120393	WASHER, 5/16" FLAT (12.9190)					10	10						
	5168520	WASHER, 5/8" BEVEL (11.1100)		4		4								
	103320	LOCKWASHER, 5/16" (12.9200)					10	10						
	103325	LOCKWASHER, 5/8" (12.9200)	4	4	4	4								
	103030	NUT, 5/8"-18 HEX. (12.9120)	4		4									
		* INCLUDES TYPE 55 FAN SHROUD.												
		# THRU 8VA-13060.												
		& EFFECTIVE WITH 8VA-13061.												
		5.3015 - SHELL ASSY., RADIATOR												
4A	**5124634**	SHELL ASSY.					1	1						
	148344	VALVE ASSY. (12.9510)					1	1						
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)					4	4						
	103342	WASHER, 7/16" FLAT (12.9190)					4	4						
	5167615	WASHER, 1/2" BEVEL PLAIN (11.1073)					4	4						
	103322	LOCKWASHER, 7/16" (12.9200)					4	4						
	456939	NUT, 7/16"-20 HEX. (12.9120)					4	4						
		5.3120 - CAP, RADIATOR FILLER												
4A	**5197822**	CAP							1					

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 63	65	66	67	73	75	115	120	122	124	140	143
		5.3260 - BRACKET, RADIATOR MOUNTING												
4C	**5124860**	SUPPORT (L.H.)	1		1									
4C	**5124861**	SUPPORT (R.H.)	1		1									
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)	2											
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)	2		6									
	5167615	WASHER, 1/2" BEVEL (BEVEL) (11.1073)	2		2									
	103323	LOCKWASHER, 1/2" (12.9200)	4		4									
	103028	NUT, 1/2"-20 HEX. (12.9120)	4		4									
		5.3265 - BAFFLE, RADIATOR REMOVABLE												
	5109581	BAFFLE	2		2					2				
		5.3268 - NAME PLATE, RADIATOR												
4C	**8924296**	PLATE, NAME					2	2						
	162991	SCREW, 1/4"-14X1/2" TAPPING (12.9065)					12	12						

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.3001 - RADIATOR ASSY.														
4A	**5123784**	# RADIATOR ASSY.	1													
4A	**5123784**	& RADIATOR ASSY.		1												
4A	**5125285**	# RADIATOR ASSY.			1											
4A	**5125285**	& RADIATOR ASSY.				1										
4A	**5123783**	RADIATOR ASSY.					1									
4A	**5124077**	RADIATOR ASSY.						1			1					
4A	**5126568**	RADIATOR ASSY.							1							
4A	**5124340**	RADIATOR ASSY.								1						
4B	**5140842**	RADIATOR ASSY.										1				
4A	**5138890**	RADIATOR ASSY.											1			
4A	**5101906**	RADIATOR ASSY.												1		
4A	**5102865**	RADIATOR ASSY.													1	
		# THRU 8VA-13060.														
		& EFFECTIVE WITH 8VA-13061.														
		5.3010 - CORE ASSY., RADIATOR														
4B	**5194051**	CORE ASSY.	1													
4B	**5198079**	CORE ASSY.		1												
4B	**5196580**	CORE ASSY.			1											
4B	**5199005**	CORE ASSY.				1										
4B	**5197256**	CORE ASSY.					1									
4B	**5197672**	CORE ASSY.						1			1					
4B	**5199910**	CORE ASSY.										1				
4B	**5199908**	CORE ASSY.											1			
4B	**5149289**	CORE ASSY.												1		
4B	**5149844**	CORE ASSY.													1	
		5.3020 - TANK, RADIATOR UPPER														
4B	**5196581**	* TANK (P/N A21-183)	1		1											
4B	**5199003**	TANK		1		1										
4B	**5149290**	TANK (5.3010)					1	1			1			1		
4B	**5109573**	TANK										1	1		1	
4B	**5199075**	TANK													2	
4B	**5149845**	TANK														
	5121182	PLUG, 1/4" PIPE (2.4015)														
		* NOT SERVICED BY DDA. PROCURE FROM PERFEX CORP., MILWAUKEE, WISCONSIN. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		5.3030 - TANK, RADIATOR LOWER														
4B	**5196582**	TANK	1		1											
4B	**5199004**	TANK		1		1										
4B	**5109576**	TANK					1	1			1			1		
4B	**5199076**	TANK										1	1		1	
4B	**5149846**	TANK													1	
	5115214	PLUG, 1/2" PIPE (12.9550)													1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)	15	15	15	15	4				4					
	186629	BOLT, 5/16"-18X1" (12.9001)	51	51	51	51								12		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)						19						48		
	179821	BOLT, 5/16"-18 X 1 3/8" (12.9001)												48		
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)	24	24	24	24										
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)	2	2	2	2										
	179838	BOLT, 3/8"-16X7/8" (12.9001)					8	4			8			8		
	179839	BOLT, 3/8"-16X1" (12.9001)					12	51			12					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					48									
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						55								
	138243	BOLT, 3/8"-16X1 1/4" (12.9027)													154	

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.3030 - TANK, RADIATOR LOWER (CONT'D)														
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					48				48					
	103320	LOCKWASHER, 5/16" (12.9200)	92	92	92	92	108	108			108			108		

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.3030 - TANK, RADIATOR LOWER (CONT'D)														
	103321	LOCKWASHER, 3/8" (12.9200)					8	8			8			8	154	
	103325	LOCKWASHER, 5/8" (12.9200)													16	
	103345	WASHER, 5/8" PLAIN (12.9190)													16	
	102635	NUT, 5/16"-18 HEX. (12.9120)	59	59	59	59	8	8			8			8	154	
	120376	NUT, 5/16"-18 HEX. CAD. (12.9120)					94				94			96		
	102639	NUT, 5/8"-11 HEX. (12.9120)													16	
		5.3040 - GASKET, RADIATOR TANK														
4B	5192391	GASKET	6		6											
4B	5198080	GASKET		2		2										
4B	5109579	GASKET					2	2			2			2		
4B	5199909	GASKET										2	2			
4B	5149847	GASKET													2	
		5.3050 - STRIP, RADIATOR TANK MOUNTING														
	5194062	STRIP	4		4											
		5.3100 - NECK ASSY., RADIATOR FILLER														
	5109570	NECK	1	1	1	1	1	1			1					
	5109572	ADAPTOR	1	1	1	1	1	1			1					
		5.3110 - GASKET, RADIATOR FILLER NECK														
	5109571	GASKET	1	1	1	1	1	1			1					
		5.3120 - CAP, RADIATOR FILLER														
4A	850802	CAP (7# PRESSURE)					1	1	1	1	1	1	1	1		
4A	5197679	CAP (7# PRESSURE) (GASKET INTEGRAL)	1	1	1	1										
4A	5149848	CAP													1	
4A	5139215	CAP (7 LBS. PRESSURE) (5.5140)													1	
		5.3130 - GASKET, RADIATOR FILLER CAP														
4A	846732	* GASKET	1	1	1	1	1	1	1	1	1					
		* NOT REQUIRED WITH 5197679 CAP IN 5.3120.														
		5.3160 - PIPE, RADIATOR OVERFLOW														
4B	9023865	PIPE	1	1	1	1	1	1			1			1		

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.3170 - CLIP, RADIATOR OVERFLOW PIPE														
4B	9023068	CLIP * OBSOLETE.	2	2												
		5.3210 - GRILLE, RADIATOR														
	5196584	* GRILL	1		1											
	5198087	GRILL		1		1										
	5109585	GRILL					1	1			1			1		
	5149849	GRILL													1	
	5194060	CLIP ASSY.	2		2											
	5198088	CLIP		2		2										
	5109580	CLIP (5.4560)									1					
	179816	BOLT, 5/16"-18X3/4" (12.9001)	8	8			8				8					
	103320	LOCKWASHER, 5/16" (12.9200)	8	8			8				8					
	120376	NUT, 5/16"-18 HEX. (12.9120) * OBSOLETE. NO REPLACEMENT.	8	8			8				8					
		5.3215 - SHROUD, FAN														
	5149854	SHROUD ASSY.													1	
	103341	WASHER, 3/8" PLAIN (12.9190)													16	
		5.3220 - MEMBER, RADIATOR SIDE														
	5194055	MEMBER, SIDE (RIGHT)	1		1											
	5198085	MEMBER, SIDE (RIGHT)		1		1										
4B	5194056	MEMBER, SIDE (LEFT)	1		1											
4B	5198086	MEMBER, SIDE (LEFT)		1		1										
4B	5109574	MEMBER, SIDE (RIGHT)					1	1			1			1		
4B	5109575	MEMBER, SIDE (LEFT)					1	1			1			1		
4B	5199077	MEMBER, SIDE (LEFT)										1	1			
4B	5199078	MEMBER, SIDE (RIGHT)										1	1			
4B	5149850	MEMBER, SIDE (RIGHT)													1	
4B	5149851	MEMBER, SIDE (LEFT)													1	
	428211	BOLT, 5/8"-11X1 1/4" (12.9001)	32	32			32	24			32					
	103334	LOCKWASHER, 5/8" (12.9200)	32	32			32	24			32					

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.3001 - RADIATOR ASSY.														
4A	**5138890**	RADIATOR ASSY.	1													
		5.3010 - CORE ASSY., RADIATOR														
4B	**5199908**	CORE ASSY.	1													
		5.3020 - TANK, RADIATOR UPPER														
4B	**5199075**	TANK	1													
		5.3030 - TANK, RADIATOR LOWER														
4B	**5199076**	TANK	1													
		5.3040 - GASKET, RADIATOR TANK														
4B	**5199909**	GASKET	2													
		5.3120 - CAP, RADIATOR FILLER														
4A	**850802**	CAP (7# PRESSURE)	1													
		5.3220 - MEMBER, RADIATOR SIDE														
	5199078	MEMBER, SIDE RIGHT	1													
	5199077	MEMBER, SIDE LEFT	1													

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 124	125	129	131	151	152	162	170	171	182	187	214
		5.3270 - CONNECTION, RADIATOR INLET												
	5124150	CONNECTION			2			2						
#	5172508	CONNECTION (5.3310)				2								
	5124600	TUBE (2 1/4" DIA.X14.24" DEV. L.)					2							
@	5123702	TUBE (2 1/4" DIA.X20.38" DEV. L.)				2								
@	5123915	TUBE (2 1/2" DIA.X19.48" DEV. L.)						2						
@	5124148	TUBE (2 1/2" DIA.X23.80" DEV. L.)			2									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				4								
	179860	BOLT, 7/16"-14X1 1/4" (12.9001)			4			4						
	103341	WASHER, 3/8" FLAT (12.9190)				4								
	103321	LOCKWASHER, 3/8" (12.9200)				4								
	103322	LOCKWASHER, 7/16" (12.9200)			4			4						
		# FIG. 8A OF 2.0000.												
		@ FIG. 10B OF 8.0000.												
		5.3280 - GASKET, RADIATOR INLET CONNECTION												
	5124151	GASKET			2			2						
	5163760	GASKET (5.3090)				2								
		5.3290 - HOSE, RADIATOR INLET												
#	5157605	HOSE, 2 1/4"I.D.X3.32" (4.4240)				4	4							
	5129094	HOSE, 2 1/2"I.D.X3.25" (4.4213)			4			4						
		# FIG. 8A OF 2.0000.												
		5.3300 - CLAMP, RADIATOR INLET HOSE												
	9139809	CLAMP (2 1/16"-3" HOSE) (12.9660)			8	8	8	8						
		5.3310 - CONNECTION, RADIATOR OUTLET												
	5187890	CONNECTION (5.3270)				1								
	5125854	TUBE, 2 3/4" DIA.X12.6" DEV. L. (5.3330)					1							
	5123701	TUBE, 2 3/4" DIA.X14.36" DEV. L.				1								
	5130185	TUBE ASSY. 3 1/2" DIA.X14.06" DEV.L.			1									
	5123908	TUBE ASSY., 3 1/2"DIA.X18.5" DEV. L.						1						
	179839	BOLT, 3/8"-16X1" (12.9001)				4								
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)			4			4						
	103321	LOCKWASHER, 3/8" (12.9200)				4								
	103322	LOCKWASHER, 7/16" (12.9200)			4			4						
		* FIG. 5B OF 4.0000.												
		5.3311 - CONNECTION, EXPANSION TANK OUTLET												
	5122478	ELBOW	1											
10B	5122414	ELBOW		1										
	5108486	ELBOW								1				

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 124	125	129	131	151	152	162	170	171	182	187	214
		5.3311 - CONNECTION, EXPANSION TANK OUTLET (CONT'D)												
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		4										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2							4				
	179849	BOLT, 3/8"-16X2 1/2" (12.9001)	2											
	103321	LOCKWASHER, 3/8" (12.9200)	4	4						4				
	118536	DRAINCOCK, 3/8" (12.9510)	1	1										
		5.3320 - GASKET, RADIATOR OUTLET CONNECTION												
	5176676	GASKET (5.1305)				1								
	5124164	GASKET			1			1						
		5.3321 - GASKET, EXPANSION TANK OUTLET CONNECTION												
	5167762	GASKET (4.4230)	1											
	5122975	GASKET		1						1				
		5.3330 - HOSE, RADIATOR OUTLET												
	5123708 @	HOSE (2 3/4"I.D.X2.26"L.) (5112537)				1	1							
	5112537	HOSE (2 3/4"I.D.X4"L.) (4.3001)				1								
	5119659 @	HOSE (3 1/2" I.D. X 2 1/4" L.) (5.5580) (5136038)			1			1						
		* FIG. 5B OF 4.0000.												
		@ NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		5.3331 - HOSE, EXPANSION TANK OUTLET												
	5123708 @	HOSE (2 3/4"I.D.X2.26"L.) (5112537)	1											
	5119659 @	HOSE (3 1/2"I.D.X2 3/4"L.) (5108390)		1						1				
		@ NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		5.3340 - CLAMP, RADIATOR OUTLET HOSE												
	9139813	CLAMP, 4" HOSE (3.5420)			2			2						
	5188036	CLAMP, 2 9/16"-3 1/2" (12.9660)				4	4							
		* FIG. 5B OF 4.0000.												
		5.3341 - CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE												
	5188036	CLAMP (2 9/16"-3 1/2" DIA.)	2											
	9139813	CLAMP (4" DIA. HOSE) (12.9660)		2										
	5136306	CLAMP (3 7/8"-4 3/16" DIA.)								1				

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 124	125	129	131	151	152	162	170	171	182	187	214
		5.3395 - DRAIN ASSY., RADIATOR												
	5124238	HOSE, CYLINDER BLOCK DRAIN								1		1		
	5171509	CLIP, 5/8" HOSE (9.1591)								1		1		
	179837	BOLT, 3/8"-16X3/4" (12.9001)								1		1		
	103321	LOCKWASHER, 3/8" (12.9200)								1		1		
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET												
	5127041	CONNECTOR, 3/4" PIPE (5.1235)	2	2						4		4	2	2
	5122663	ELBOW (3/4"X1")	2	2						3		3	2	2
	5181801	ELBOW (3/4"X1") (5.2161)								4		4		
	140798	ELBOW, 3/4"X45 DEG. STREET (12.9590)								1		1		
	5108575	TUBE (5.2163)								1		1		
	114981	DRAINCOCK, 1/8" (12.9510)								1		1		
	103647	DRAINCOCK, 1/4" (12.9510)	2	2						3		3	2	2
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET												
	5114449	* HOSE (1"I.D.X5"L.) (5.2165) (5118149)	2							2		2		
	5178419	* HOSE (1"I.D.X5 3/4"L.) (5118149)		2						2		2	2	2
		* NOT SERVICED, USE BULK HOSE SHOWN IN PARENTHESES CUT TO DESIRED LENGTH												
		5.3434 - CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE												
	5186840	CLAMP (1 13/16"-1 1/2" DIA.) (12.9660)	4	4						8		8	4	4
		5.3440 - ELBOW, EXHAUST MANIFOLD FRESH WATER OUTLET												
	5122651	TUBE ASSY. (L.H.)	1										1	
	5122653	TUBE ASSY. (R.H.)	1										1	
10A	5122642	TUBE ASSY. (L.H.)		1										1
	5122643	TUBE ASSY. (R.H.)		1										1
	148344	DRAINCOCK, 1/4" (12.9510)								1		1		
	5177218	CONNECTOR (3/4"X1") (TO THERMOSTAT HOUSING) (5.1235)	1										1	
	189060	BUSHING, 3/4"X1/4" RED. (12.9570)								2		2		
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)								1				
	190367	# ELBOW, 1/4"-90 DEG. STREET (12.9590)								2				
	5181801	ELBOW (3/4"X1") (5.2161)	1	2						4		4	1	2

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 124	125	129	131	151	152	162	170	171	182	187	214
		5.3440 - ELBOW, EXHAUST MANIFOLD FRESH WATER OUTLET (CONT'D)												
	5186840	CLAMP, HOSE (12.9660)	4											
	5163867	STUD (5/16"-13X1 5/16") (5.5620)	4	4										4
	5140081	PLUG, 3/4"X3/8" RED. (1.1001)								1				
	5163834	WASHER (5/16" FLAT) (5.5600)	4	4										4
	103320	LOCKWASHER, 5/16" (12.9200)	4	4									4	4
	120376	NUT, 5/16"-18 HEX. (12.9120)	4	4									4	4
		# NOT REQUIRED ON KEEL COOLED UNITS.												
		5.3441 - GASKET, EXHAUST MANIFOLD FRESH WATER OUTLET ELBOW												
	5156319	GASKET (5.5610)	2	2									2	2
		5.3442 - HOSE, EXHAUST MANIFOLD FRESH WATER OUTLET												
10A	5156170	* HOSE (1"I.D.X2 1/2"L.) (5.5470) (5118149)	1	1									2	2
10A	5114449	* HOSE (1"I.D.X5"L.) (5.2165) (5118149)										1		
	5178419	* HOSE (1"I.D.X5 3/4"L.) (5118149)								1		1		
10A	5125722	* HOSE (1⅝ i.d. x 8 1/2" L.) (5118149)								1		1		
	5186840	CLAMP (13/16"-1 1/2" DIA.) (12.9660)		4						8		8	4	4
	111612	CLAMP, 1 3/8" DIA. (12.9660)	2											
		* NOT SERVICED, USE BULK HOSE SHOWN IN PARENTHESES CUT TO DESIRED LENGTH												
		5.3443 - ELBOW, CYLINDER HEAD FRESH WATER OUTLET												
	5144908	ELBOW (5.3470)									1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									2			
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)									1			
	5152148	WASHER, 3/8" COPPER (12.9190)									2			
	103341	WASHER, 3/8" FLAT (12.9190)									1			
	103321	LOCKWASHER, 3/8" (12.9200)									1			
		5.3444 - GASKET, FRESH WATER OUTLET ELBOW												
	5117993	GASKET (5.2110)									1			
		5.3470 - TUBE, WATER CROSSOVER												
	5108341	TUBE									1			

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 124	125	129	131	151	152	162	170	171	182	187	214
		5.3474 - HOSE, WATER CROSSOVER TUBE												
	5199780 *	HOSE (2 3/8"I.D.X2.76"L.) (5.3365)									2			
		* STD. HOSE CUT TO DESIRED LENGTH												
		5.3475 - BRACKET, WATER CROSSOVER TUBE												
	9139809	CLAMP (2 1/16"- 3" HOSE) (12.9660)									4			
		5.3480 - TUBE, CYLINDER HEAD VENT												
	5129018	TUBE ASSY. (8.24" DEV. L.)							2					
	9432337	ELBOW, 1/4"-90 DEG. INV. FL. TUBE (12.9480)							2					
	187321	CONNECTOR, 1/4"X1/4" PIPE (12.9460)							2					
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)							2					
		5.3485 - TUBE, WATER PUMP VENT												
	5130824	TUBE ASSY. (14" DEV. L.)							1					
	9432264	CONNECTOR, 5/16"-1/4" PIPE (12.9460)							1					
	225815	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)							1					
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)							1					

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 224	227	231	232	235	236	237	249	250	256	262	271
		5.3270 - CONNECTION, RADIATOR INLET												
	5124150	CONNECTION							2					
#	5172508	CONNECTION (5.3310)		2								2	2	
	5138793	TUBE (2 1/4" DIA.)										1		
	5138855	TUBE (2 1/4" DIA.)											2	
@	5123702	TUBE (2 1/4" DIA.X20.38" DEV. L.)		2								1		
@	5124148	TUBE (2 1/2" DIA. X 23.80" DEV. L.)							2					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		4								4	4	
	179860	BOLT, 7/16"-14X1 1/4" (12.9001)							4					
	103341	WASHER, 3/8" FLAT (12.9190)		4								4	4	
	103321	LOCKWASHER, 3/8" (12.9200)		4								4	4	
	103322	LOCKWASHER, 7/16" (12.9200)							4					
		# FIG. 8A OF 2.0000.												
		@ FIG. 10B OF 8.0000.												
		5.3280 - GASKET, RADIATOR INLET CONNECTION												
	5124151	GASKET							2					
	5163760	GASKET (5.3090)		2								2	2	
		5.3290 - HOSE, RADIATOR INLET												
	5127299	HOSE, 2 1/4"I.D.X2.24" (5.2124)											4	
#	5157605	HOSE, 2 1/4"I.D.X3.32" (4.4240)		4								3		
	5138853	HOSE, 2 1/4"I.D.X4.50"										1		
	5129094	HOSE, 2 1/2"I.D.X3.25" (4.4213)							4					
		# FIG. 8A OF 2.0000.												
		5.3295 - HOSE, HEAT EXCHANGER FRESH WATER INLET												
	3222709	HOSE (1 3/4"I.D.X2 3/4"L.) (5.3330)												2
		5.3300 - CLAMP, RADIATOR INLET HOSE												
#	9139809	CLAMP (2 1/16"-3" HOSE) (12.9660)		8					8			8	8	
		5.3305 - CLAMP, HEAT EXCHANGER FRESH WATER INLET HOSE												
	5186841	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)												4

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 224	227	231	232	235	236	237	249	250	256	262	271
		5.3310 - CONNECTION, RADIATOR OUTLET												
	5187890	CONNECTION (5.3270)		1									1	
	5138906	ELBOW											1	
	5123701	TUBE, 2 3/4" DIA.X14.36" DEV. L.		1								1		
	5130185	TUBE ASSY. 3 1/2" DIA.X14.06" DEV.L.							1					
	179839	BOLT, 3/8"-16X1" (12.9001)		4								4	4	
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)							4					
	103321	LOCKWASHER, 3/8" (12.9200)		4								4	4	
	103322	LOCKWASHER, 7/16" (12.9200)							4					
		* FIG. 5B OF 4.0000.												
		5.3311 - CONNECTION, EXPANSION TANK OUTLET												
10A	5122478	ELBOW						1			1			
10B	5122414	ELBOW							1					
	5108486	ELBOW			1					4				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			4			2			2			
	179849	BOLT, 3/8"-16X2 1/2" (12.9001)						2			2			
	103321	LOCKWASHER, 3/8" (12.9200)			4			4		4	4			
	118536	DRAINCOCK, 3/8" (12.9510)						1		1	1			
		5.3312 - CONNECTION, HEAT EXCHANGER WATER OUTLET												
	5140806	ELBOW												1
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)												2
		5.3314 - CONNECTION, HEAT EXCHANGER INLET												
	5135138	CONNECTOR												2
	5127299	HOSE, 2 1/4"X2.24 (5.2124)												1
	5140805	TUBE												1
	9139809	CLAMP, 2 1/16"-3"I.D. HOSE (12.9660)												2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)												4
	103321	LOCKWASHER, 3/8" (12.9200)												4
		5.3320 - GASKET, RADIATOR OUTLET CONNECTION												
	5176676	GASKET (5.1305)		1					1			1	1	
	5124164	GASKET												
		5.3321 - GASKET, EXPANSION TANK OUTLET CONNECTION												
	5167762	GASKET (4.4230)						1			1			
	5122975	GASKET			1					1				

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 224	227	231	232	235	236	237	249	250	256	262	271
		5.3323 - GASKET, HEAT EXCHANGER TANK INLET CONNECTION												
	5123660	GASKET (4.1300)												2
		5.3325 - GASKET, HEAT EXCHANGER TANK OUTLET CONNECTION												
	5134679	GASKET												1
		5.3330 - HOSE, RADIATOR OUTLET												
	5123708 @	HOSE (2 3/4"I.D.X2.26"L.) (5112537)										1	1	
	5112537	HOSE (2 3/4"I.D.X4"L.) (4.3001)		1										
	5119659 @	HOSE (3 1/2"I.D.X2 1/4"L.) (5.5580) (5108390)							1					
		* FIG. 5B OF 4.0000.												
		@ NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		5.3331 - HOSE, EXPANSION TANK OUTLET												
10B	5123708 @	HOSE (2 3/4"I.D.X2.26"L.) (5112537)						1			1			1
10B	5119659 @	HOSE (3 1/2"I.D.X2 3/4"L.) (5108390)			1					1				
		@ NOT SERVICED USE PART NUMBER SHOWN IN PARENTHESES.												
		5.3340 - CLAMP, RADIATOR OUTLET HOSE												
	9139813	CLAMP, 4" HOSE (3.5420)							2					
	5188036	CLAMP, 2 9/16"-3 1/2" (12.9660)		4								4	4	
		* FIG. 5B OF 4.0000.												
		5.3341 - CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE												
	5188036	CLAMP, 2 9/16"-3 1/2" (12.9660)						2			2			2
	9139813	CLAMP (4" DIA. HOSE) (12.9660)								2				
	5145844	CLAMP (4 1/2"-4 3/16" DIA.)			2									
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET												
	5127041	CONNECTOR, 3/4" PIPE (5.1235)	2	2					2					2
	5122663	ELBOW (3/4"X1")	2	2					2		2			2
	5181801	ELBOW (3/4"X1") (5.2161)									2			

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 224	227	231	232	235	236	237	249	250	256	262	271
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET (CONT'D)												
	103647	DRAINCOCK, 1/4" (12.9510)	2	2					2		2			2
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET												
	5114449	* HOSE (1"I.D.X5"L.) (5.2165) (5118149)									2			
	5178419	* HOSE (1"I.D.X5 3/4"L.) (5118149)	2	2					2					2
		* NOT SERVICED, USE BULK HOSE SHOWN IN PARENTHESES CUT TO DESIRED LENGTH												
		5.3434 - CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE												
	5186840	CLAMP (1 13/16"-1 1/2" DIA.) (12.9660)	4	4					4		4			4
		5.3440 - ELBOW, EXHAUST MANIFOLD FRESH WATER OUTLET												
	5122651	TUBE ASSY. (L.H.)		1										1
	5122653	TUBE ASSY. (R.H.)		1										1
10A	5122642	TUBE ASSY. (L.H.)	1						1					
	5122643	TUBE ASSY. (R.H.)	1						1					
	5137772	– TUBE ASSY. (R.H.)									1			
	5137774	TUBE ASSY. (L.H.)									1			
	5177218	CONNECTOR (3/4"X1") (TO THERMOSTAT HOUSING) (5.1235)		1							1			1
	5181801	ELBOW (3/4"X1") (5.2161)	2	1					2		1			1
	5112672	– DRAINCOCK, 3/8" (12.9510)												1
	103320	LOCKWASHER, 5/16" (12.9200)	4	4							4			4
	120376	NUT, 5/16"-18 HEX. (12.9120)	4	4							4			4
		– OBSOLETE.												
		5.3441 - GASKET, EXHAUST MANIFOLD FRESH WATER OUTLET ELBOW												
	5156319	GASKET (5.5610)	2	2					2		2			2
		5.3442 - HOSE, EXHAUST MANIFOLD FRESH WATER OUTLET												
10	5156170	* HOSE (1"I.D.X2 1/2"L.) (5.5470) (5118149)	2	2					2		3			2
		* NOT SERVICED, USE BULK HOSE SHOWN												

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 224	227	231	232	235	236	237	249	250	256	262	271
		5.3442 - HOSE, EXHAUST MANIFOLD FRESH WATER OUTLET (CONT'D)												
		IN PARENTHESES CUT TO DESIRED LENGTH												
		5.3445 - CLAMP, EXHAUST MANIFOLD FRESH WATER OUTLET HOSE												
	5186840	CLAMP (13/16"-1 1/2" DIA.)(12.9660)	4	4					4		4			4
		5.3470 - TUBE, WATER CROSSOVER												
	5135468	TUBE (2 1/4" DIA.)					1							
	5145010	PLUG, 1/4" PIPE (12.9550)					1							
		5.3474 - HOSE, WATER CROSSOVER TUBE												
	5127299	HOSE (2 1/4"I.D.X2 1/4"L.) (5.2124)					2							
	9139809	CLAMP (2 1/16"-3" HOSE) (12.9660)					4							
		5.3475 - BRACKET, WATER CROSSOVER TUBE												
	5137887	BRACKET (5.3476)					1							
	5137765	BRACKET (5.3476)					1							
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)					4							
		5.3476 - CLIP, WATER CROSSOVER TUBE												
	5113863	CLIP (4.5004)					2							
	181361	BOLT, 3/8"-24X7/8" HEX. (12.9001)					2							
	103321	LOCKWASHER, 3/8" (12.9200)					2							
	117049	NUT, 3/8"-24 HEX. (12.9120)					2							
		5.3480 - TUBE, CYLINDER HEAD VENT												
	5135894 *	*TUBE ASSY. (8.86" DEV. L., FORMED)*					2							
	5137883	HOSE (#5X9.50"L.) (2.5149)					2							
	143337	ELBOW, 1/4"-45 DEG. INV. FL. TUBE (12.9480)					2							
	9432264	CONNECTOR, 5/16"X1/4" PIPE (12.9460)					2							
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)					2							
		* NOT SERVICED. USE 5137883 HOSE AND INCLUDE 2-187343 CONNECTORS, 2-143337 ELBOWS.												

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 224	227	231	232	235	236	237	249	250	256	262	271
		5.3485 - TUBE, WATER PUMP VENT												
	5135839	TUBE ASSY. (12.56" DEV. L.) (5.1003)				1								
	5134748	HOSE (#5X13 1/4"L.) (2.5215)					1							
	187343	CONNECTOR, 5/16"-1/4" PIPE (12.9460)				1								
	143343	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)					1							
	225815	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)				1								
	444148	BUSHING, 1/4"-18 PIPE (12.9616)					1							
	189060	BUSHING, 3/4"X1/4" RED. (12.9570)				1								
	5114551	TAG, CABLE (7.4545)					1							

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 272	273	283	284	286	299	300	307	309	310	312	321
		5.3270 - CONNECTION, RADIATOR INLET												
	5139942	TUBE		2										
	5108490	TUBE						1						
	5124148	TUBE						1						
	5124150	CONNECTION						2						
		5.3282 - TANK, COOLANT DE-AERATION												
	5141980	TANK					1							
	5107677	COVER (1.1020)					1							
	5104507	GASKET (1.1032)					1							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					1							
	186317	BOLT 3/8"-24X5" (12.9001)					3							
		5.3283 - HOSE, DE-AERATION TANK INLET												
	5199779	HOSE, 2 1/4"X2.62"L. (4.4240)					1							
		5.3290 - HOSE, RADIATOR INLET												
	5136037	HOSE, 2 1/2"X3.25" (4.4213)						4						
	5114853	HOSE, 3"X1 1/2"		4										
		5.3300 - CLAMP, RADIATOR INLET HOSE												
	5145769	CLAMP, 3" HOSE (12.9660)		8				8						
		5.3310 - CONNECTION, RADIATOR OUTLET												
	5140012	TUBE (5.3270)		1										
	5130185	TUBE						1						
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)						4						
	103322	LOCKWASHER, 7/16" (12.9200)						4						
		5.3311 - CONNECTION, EXPANSION TANK OUTLET												
10B	5122414	ELBOW (5.3321)			1	1								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			4	4								
	103321	LOCKWASHER, 3/8" (12.9200)			4	4								
	118536	DRAINCOCK, 3/8" (12.9510)			1	1								
		5.3312 - CONNECTION, HEAT EXCHANGER WATER OUTLET												
	5140806	ELBOW									1	1		
	179829	BOLT, 5/16"-18X2 3/4" (12.9001)										2		
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)									2			

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 272	273	283	284	286	299	300	307	309	310	312	321
		5.3312 - CONNECTION, HEAT EXCHANGER WATER OUTLET(CONT'D)												
	103320	LOCKWASHER, 5/16" (12.9200)										2		
	103321	LOCKWASHER, 3/8" (12.9200)									2			
		5.3314 - CONNECTION, HEAT EXCHANGER INLET												
	5140805	TUBE									1	1		
	5135138	CONNECTOR (ALUMINUM)									2			
	5136864	CONNECTOR (ALUMINUM)										2		
	5140551	HOSE, 1 3/4 X2 L. (5.3295)									2	2		
	5127299	HOSE, 2 1/4"X2 1/4" (5.2124)									1	1		
	5186841	CLAMP, HOSE (2" DIA.) (12.9660)									4	4		
	9139809	CLAMP, 2 1/16"-3 HOSE (12.9660)									2	2		
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)										4		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									4			
	103320	LOCKWASHER, 5/16" (12.9200)										4		
	103321	LOCKWASHER, 3/8" (12.9200)									4			
		5.3320 - GASKET, RADIATOR OUTLET CONNECTION												
	5124164	GASKET						1						
		5.3321 - GASKET, EXPANSION TANK OUTLET CONNECTION												
	5122975	GASKET			1	1								
		5.3323 - GASKET, HEAT EXCHANGER TANK INLET CONNECTION												
	5123660	GASKET (4.1300)									2			
	5146137	GASKET										2		
		5.3325 - GASKET, HEAT EXCHANGER OUTLET CONNECTION												
	5134679	GASKET									1	1		
		5.3330 - HOSE, RADIATOR OUTLET												
	5108390 *	HOSE, 3 1/2"X2.76" (5136038)		1				1						
	5125281	HOSE, 4"X3"		1										

* NOT SERVICED; USE STANDARD LENGTH

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 272	273	283	284	286	299	300	307	309	310	312	321
		5.3330 - HOSE, RADIATOR OUTLET (CONT'D)												
		HOSE SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.												
		5.3331 - HOSE, EXPANSION TANK OUTLET												
	5112537	HOSE, 2 3/4"X2 1/4"									1	1		
	5108390	* HOSE, 3 1/2"I.D.X2 3/4"L. (5136038)			1	1								
		* NOT SERVICED USE STANDARD LENGTH HOSE SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH												
		5.3340 - CLAMP, RADIATOR OUTLET HOSE												
	5145844	CLAMP, 4 1/8" DIA. HOSE (12.9660)		2				2						
	5136306	CLAMP, 4 1/4" DIA. HOSE (12.9660)		2										
		5.3341 - CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE												
	5188036	CLAMP, 3" DIA. HOSE (12.9660)									2	2		
	9139813	CLAMP, 4" DIA. HOSE (12.9660)			2	2								
		5.3425 - TUBE, HEAT EXCHANGER FRESH WATER OUTLET												
	5123574	@ TUBE (5.3470)	1											
		@ NOT SERVICED; USE 5129219 TUBE AND 5199781 HOSE.												
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET												
	5127041	CONNECTOR, 3/4" PIPE (5.1235)			2	2					2	2		
	5122663	ELBOW, 3/4"X1"			4	4				2	2	2		
	5181801	ELBOW, 3/4"X1" (5.2161)				2				2				
	140798	ELBOW, 3/4"-45 DEG. STREET (12.9590)			2	2								
	103647	DRAINCOCK, 1/4" (12.9510)			4	6				4	2	2		
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET												
	5114449	HOSE, 1"I.D.X5"L.								2				
	5178419	* HOSE, 1"I.D.X5 3/4"L. (5118149)									2	2		
	5125722	* HOSE, 1"I.D.X7 1/2"L. (5118149)			2	2								

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 272	273	283	284	286	299	300	307	309	310	312	321
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET (CONT'D)												
		(4.1642)												
	5125724 *	HOSE, 1"I.D.X10 1/2"L. (5118149) (4.1642)				1								
	5114552 *	HOSE, 1"I.D.X11.50"L. (5118149) (4.1642)				1								
	5136039	HOSE, 2 1/2"I.D.X2.74"L. (5.2165)	2											
		* NOT SERVICED; USE STANDARD LENGTH HOSE SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.												
		5.3434 - CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE												
	5186840	CLAMP, 1 13/16"-1 1/2" DIA. (12.9660)			4	8				4	4	4		
	5135647	CLAMP, 2 3/4"-3 1/16" DIA. (12.9660)	4											
		5.3440 - ELBOW, EXHAUST MANIFOLD FRESH WATER OUTLET												
10A	5181801	ELBOW, 3/4"X1" (5.2161)				2					1	1		
10A	5122642	TUBE ASSY. (L.H.)			1	1								
10A	5122643	TUBE ASSY. (R.H.)			1	1								
10A	5145815	TUBE ASSY. (L.H.) (6.1145)								1				
10A	5145817	TUBE ASSY. (R.H.) (6.1145)								1				
10A	5122651	TUBE ASSY. (L.H.)									1	1		
10A	5122653	TUBE ASSY. (R.H.)									1	1		
	5177218	CONNECTOR, 3/4"X1" (TO THERMOSTAT HOUSING) (5.1235)								1	1	1		
	118536	DRAINCOCK, 3/8" (12.9510)									1			
	5173333	PLUG, 3/8" PIPE (12.9550)										1		
	103320	LOCKWASHER, 5/16" (12.9200)			4	4				4	4	4		
	120376	NUT, 5/16"-18 (12.9120)			4	4				4	4	4		
		5.3341 - GASKET, EXHAUST MANIFOLD FRESH WATER OUTLET ELBOW												
	5156319	GASKET (5.5610)			2	2				2	2	2		
		5.3442 - HOSE, EXHAUST MANIFOLD FRESH WATER OUTLET												
10A	5156170 *	HOSE, 1"I.D.X2 1/2"L. (5118149) (4.1642)			2	2				2	2	2		
10A	5125724 *	HOSE, 1"I.D.X10 1/2"L. (TURBO			1									

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 272	273	283	284	286	299	300	307	309	310	312	321
		5.3442 - HOSE, EXHAUST MANIFOLD FRESH WATER OUTLET (CONT'D)												
		ADAPTOR) (R.B.) (5118149) (4.1642)												
10A	**5114552** *	HOSE, 1"I.D.X11 1/2"L. (TURBO ADAPTOR) (L.B.) (5118149) (4.1642)			1									
	5181801	ELBOW, 3/4"-90 DEG. STREET (5.2161)			4					1				
	103647	DRAINCOCK, 1/4" (12.9510)			2									
	5186840	CLAMP, 13/16"X1 1/2" DIA. (12.9660)			8	4				4	4	4		
		* NOT SERVICED; USE STANDARD LENGTH HOSE SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.												
		5.3443 - ELBOW, CYLINDER HEAD FRESH WATER OUTLET												
	5123573	ELBOW (5.2210)	1											
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2											
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	1											
	5152148	WASHER, 3/8" COPPER (12.9190)	2											
	103341	WASHER, 3/8" FLAT (12.9190)	1											
	103321	LOCKWASHER, 3/8" (12.9200)	1											
		5.3444 - GASKET, FRESH WATER OUTLET ELBOW												
	5117993	GASKET (5.2110)	1											
		5.3470 - TUBE, WATER CROSSOVER												
	5141875	TUBE					1							
		5.3474 - HOSE, WATER CROSSOVER TUBE												
	5167747	HOSE, 2 1/4"X2.62" (4.4240)					2							
	5135647	CLAMP, 3" HOSE (12.9660)					4							
		5.3475 - BRACKET, WATER CROSSOVER TUBE												
	5141988	BRACKET					1							
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)					2							
		5.3476 - CLIP, WATER CROSSOVER TUBE												
	5113863	CLIP, 2 1/4" TUBE (4.5004)					1							
	181361	BOLT, 3/8"-24X7/8" (12.9001)					1							
	103321	LOCKWASHER, 3/8" (12.9200)					1							

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 272	273	283	284	286	299	300	307	309	310	312	321
		5.3476 - CLIP, WATER CROSSOVER TUBE (CONT'D)												
	117049	NUT, 3/8"-24 HEX. (12.9120)					1							
		5.3480 - TUBE, CYLINDER HEAD VENT												
	5137883	HOSE, #5 (9 1/2"L.) (2.5149)					2						2	
	5134748	HOSE, #5 (13 1/4"L.) (12.3040)												2
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)					2							2
	189060	BUSHING, 3/4"X1/4" RED. (12.9570)											4	
	9432264	CONNECTOR, 5/16"X1/4" PIPE (12.9460)					2							2
	143337	ELBOW, 1/4"-45 DEG. INV. FL. TUBE (12.9480)					2						2	2
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)											2	
		5.3485 - TUBE, WATER PUMP VENT												
	5139082	HOSE, #5X8 3/4"L. (12.3040)					1						1	1
	143337	ELBOW, 5/16"-45 DEG. INV. FL. TUBE (12.9480)												1
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)					1						1	3
	225815	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)											1	1
	444148	TEE, 1/4"-18 PIPE (12.9616)					1						1	1
	5114551	TAG, CABLE (7.4545)					1						1	1
	189060	BUSHING, 3/4"X1/4" RED. (12.9570)												2

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3232	3227	3332	3335	3336	3338	3444	3445	3448	3469	3701	3771
		5.3270 - CONNECTION, RADIATOR INLET												
	5124150	CONNECTION								2				
	5172508	CONNECTION (5.3310)							2					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							4					
	179860	BOLT, 7/16"-14X1 1/4" (12.9001)								4				
	103341	WASHER, 3/8" FLAT (12.9190)							4					
	103321	LOCKWASHER, 3/8" (12.9200)							4					
	103322	LOCKWASHER, 7/16" (12.9200)								4				
		5.3280 - GASKET, RADIATOR INLET CONNECTION												
	5163760	GASKET (5.3090)							2					
	5124151	GASKET								2				
		5.3310 - CONNECTION, RADIATOR OUTLET												
	5187890	CONNECTION (5.3270)							1					
	5130185	TUBE (DEV. L 14.06")								1				
	179839	BOLT, 3/8"-16X1" (12.9001)							4					
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)							4					
	103321	LOCKWASHER, 3/8" (12.9200)								4				
	103322	LOCKWASHER, 7/16" (12.9200)								4				
		5.3312 - CONNECTION, HEAT EXCHANGER WATER OUTLET												
	5148369	ELBOW				1								
	5140806	ELBOW		1										
	5122414	ELBOW										1		
	5122478	ELBOW (5.3311)	1											
	5108486	ELBOW												1
	5100783	ELBOW			1									
	5122478	ELBOW (5.3311)											1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			4	4						4		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2										2	4
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	2	2									2	
	103321	LOCKWASHER, 3/8" (12.9200)	4	2	4	4						4	4	4
	118536	DRAINCOCK, 3/8" (12.9510)											1	
		5.3320 - GASKET, RADIATOR OUTLET CONNECTION												
	5176676	GASKET (5.1305)							1					
	5124164	GASKET								1				
		5.3321 - GASKET, EXPANSION TANK OUTLET *CONNECTION*												
	5122975	GASKET			1	1						1		1
	5167762	GASKET (4.4230)											1	

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 323	327	332	335	336	338	344	345	348	369	370	371
		5.3325 - GASKET, HEAT EXCHANGER OUTLET CONNECTION												
	5134679	GASKET		1										
	5167762	GASKET (4.4230)	1											
		5.3331 - HOSE, EXPANSION TANK OUTLET												
	5112537	HOSE, 2 3/4"X2 1/4"	1											
	5123708	* HOSE, 2 3/4"X2.26"L. (5199782)			1								1	
	5136038	HOSE, 3 1/2"I.D.X2.76"L.				1						1		1
		* NOT SERVICED USE STANDARD LENGTH HOSE SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.												
		5.3341 - CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE												
	5188036	CLAMP, 3" DIA. HOSE (12.9660)	2		2								2	
	5136306	CLAMP, 3 3/4" DIA. HOSE (12.9660)												2
	9139813	CLAMP, 4" DIA. HOSE (12.9660)				2						2		
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET												
	5127041	CONNECTOR, 3/4" PIPE (5.1235)		2	2	2	2							2
	5177218	CONNECTOR, 3/4" STR. (5.1235)										2	2	
	5122663	ELBOW, 3/4"X1"		2	2	4	4					2	2	2
	5181801	ELBOW, 3/4"X1" (5.2161)												2
	5107582	ELBOW, 1" SPL.												2
	189063	BUSHING, 1"X3/4" RED. (12.9570)												1
	128003	BUSHING, 1"X3/4" RED. (12.9570)										2	2	2
	103647	DRAINCOCK, 1/4" (12.9510)		2	2	2	2	2				2	2	1
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET												
	5178419	* HOSE, 1"I.D.X6 1/2"L. (5118149)		2	2	2	2							1
	5114449	* HOSE, 1"I.D.X5" L. (5118149)											2	2
	5125722	* HOSE, 1" I.D.X7.50"L. (5118149)												2
		* NOT SERVICED; USE STANDARD LENGTH HOSE SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.												
		5.3434 - CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE												
	5186840	CLAMP, 1 13/16"-1 1/2" DIA. (12.9660)		4	4	4	4						4	4
		5.3440 - ELBOW, EXHAUST MANIFOLD FRESH WATER OUTLET												
10A	8920858	TUBE										1		
10A	5122642	TUBE ASSY. (L.H.)				1	1							
10A	8920857	TUBE (L.H., R.H.)										2		
10A	5122643	TUBE ASSY. (R.H.)				1	1							
10A	8921121	TUBE											2	
10A	8920866	TUBE												1

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3233	3277	3332	3335	3336	3338	3444	3445	3448	3469	3700	3711
		5.3440 - ELBOW, EXHAUST MANIFOLD FRESH WATER OUTLET (CONT'D)												
10A	**5122651**	TUBE ASSY. (L.H.)		1	1									
10A	**5107583**	TUBE (L.H.)											1	
10A	**5107596**	TUBE (R.H.)											1	

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3223	3227	3232	3235	3236	3238	3244	3245	3248	3269	3270	3271
		5.3440 - ELBOW, EXHAUST MANIFOLD FRESH WATER OUTLET (CONT'D)												
10A	5122653	TUBE ASSY. (R.H.)		1	1									
10A	5107582	ELBOW, 1"										2	2	2
	5177218	CONNECTOR, 3/4"X1" (TO THERMOSTAT HOUSING) (5.1235)		1	1							2	1	
	118536	DRAINCOCK, 3/8" (12.9510)				1						1		
	103647	DRAINCOCK, 1/4" (12.9510)												1
	103320	LOCKWASHER, 5/16" (12.9200)		4	4	4	4							
	120376	NUT, 5/16"-18 (12.9120)		4	4	4	4							
		5.3341 - GASKET, EXHAUST MANIFOLD FRESH WATER OUTLET ELBOW												
	5156319	GASKET (5.5610)		2	2	2	2							
		5.3442 - HOSE, EXHAUST MANIFOLD FRESH WATER OUTLET												
10A	5156170	* HOSE, 1"I.D.X2 1/2"L. (5118149) (4.1642)		2	2	2	2					8	6	1
10A	5125722	* HOSE, 1" I.D.X7.50"L. (5118149)												2
10A	5178419	* HOSE, 1" I.D.X6.50" L. (5118149)												2
	5112537	HOSE, 2 3/4"I.D.X4"L. (5.3330)		1										
	5181801	ELBOW, 3/4"-90 DEG. STREET (5.2161)		1	1	2	2						1	2
	5122663	ELBOW, 3/4"-1"												1
	128003	BUSHING, 3/4"-1" (12.9570)												1
	189063	BUSHING, 1/4"-1" (12.9570)												1
	5127041	CONNECTOR, 3/4" 25 DEG.												2
	114981	DRAINCOCK, 1/8" (12.9510)												1
	103647	DRAINCOCK, 1/4" (12.9510)												1
	118536	DRAINCOCK, 3/8" (12.9510)		1	1	1								
	5186840	CLAMP, 13/16"X1 1/2" DIA. (12.9660)		4	4	4	4					16	6	6
	5188036	CLAMP, 3" (12.9660)		2										
		* NOT SERVICED; USE STANDARD LENGTH HOSE SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.												
		5.3443 - ELBOW, CYLINDER HEAD FRESH WATER OUT LET												
	5144908	ELBOW (5.3470)									1			
	5121182	PLUG, 1/4" PIPE (12.9550)									1			
	5111798	PLUG, 1" PIPE (12.9550)									1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									1			
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)									2			
	5152148	WASHER, 3/8" COPPER (12.9190)									2			
	103341	WASHER, 3/8" FLAT (12.9190)									1			
	103321	LOCKWASHER, 3/8" (12.9200)									1			
		5.3444 - GASKET, FRESH WATER OUTLET ELBOW												
	5117793	GASKET (5.2110)									1			
		5.3470 - TUBE, WATER CROSSOVER												
	5108341	TUBE									1			

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3233	3227	3332	3335	3336	3338	3344	3345	3348	3369	3370	3371
		5.3474 - HOSE, WATER CROSSOVER TUBE												
	5199780	* HOSE (2 3/8" I.D.X2.76"L.) (5.3365)									2			
		5.3475 - BRACKET, WATER CROSSOVER TUBE												
	5145033	CLAMP (T-BOLT 2 9/16 W/SPRING) (5.2124)									4			
		5.3476 - CLIP, WATER CROSSOVER TUBE												
	5171509	CLIP, 5/8" (9.1591)												1
	5108249	CLIP, 2 3/8" (5.2190)									1			
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)									1			
	179837	BOLT, 3/8"-16X3/4" (12.9001)												1
	120393	WASHER, 5/16" (12.9190)									2			
	103320	LOCKWASHER, 5/16" (12.9200)									1			
	103321	LOCKWASHER, 3/8" (12.9200)												1
	120376	NUT, 5/16"-18 (12.9120)									1			
		5.3480 - TUBE, CYLINDER HEAD VENT												
	5117721	HOSE, 1/4"-20 (9.4016)						2						
	116332	BUSHING, 3/8"X1/4" (12.9570)						1						1
	5107436	BUSHING, RED. SPL.						1						
	189060	BUSHING, 3/4"X1/4" RED. (12.9570)						2						2
	5140081	BUSHING, 3/8"X3/4" RED. (12.9570)												1
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)						1						
	190367	BUSHING, 1/4" 90 DEG. (12.9570)												2
	143337	ELBOW, 5/16"-45 DEG.						1						
	9432264	CONNECTOR, 5/16"X1/4" PIPE (12.9460)						2						
	5189294	FITTING, 1/2"-20 SPEC. HOSE (5.7100)						4						
	148344	DRAINCOCK, 5/16" (12.9510)												1
		5.3485 - TUBE, WATER PUMP VENT												
	5137863	HOSE, #5X24.00"L. (12.4065)						1						
	5166750	* HOSE, 3/8"-26.00"L. (5124238)												1
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)						2						
	225815	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)						1						
	444148	TEE, 1/4"-18 PIPE (12.9616)						1						
	5114551	TAG, CABLE (7.4545)						1						

* NOT SERVICED; USE NUMBER IN PARENTHESES.

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 377	378	379	380	381	382	384	385	394
		5.3312 - CONNECTION, HEAT EXCHANGER WATER OUTLET									
10B	**5140806**	ELBOW			1						1
10B	**5148319**	ELBOW					1				
10B	**5100783**	ELBOW				1					
10B	**5122414**	ELBOW						1			
10B	**5106715**	ELBOW								1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				4	4	4			
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)			2						
	179849	BOLT, 3/8"-16X2 1/2" (12.9001)								2	2
	103321	LOCKWASHER, 3/8" (12.9200)			2	4	4	4		2	2
	118536	DRAINCOCK, 3/8" (12.9510)						1		1	1
		5.3314 - CONNECTION, HEAT EXCHANGER INLET									
10B	**5140805**	TUBE			1						
10B	**5106812**	TUBE (R. BANK)								1	1
10B	**5199776**	HOSE, CUT TO 2." L. (5.3290)			2						
10B	**5199779**	HOSE, CUT TO 2.25" L. (5.2124)			1					1	1
	5199779	HOSE, CUT TO 1.75" L. (5.2124)								1	1
10B	**5135138**	CONNECTOR			2						
10B	**5106833**	CONNECTOR								2	2
	8920537	CLAMP, HOSE (2" DIA.) (12.9660)			4					2	2
	9139809	CLAMP, 2 1/16"-3 HOSE (12.9660)			2					4	4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			4					4	4
	103321	LOCKWASHER, 3/8" (12.9200)			4					4	4
		5.3323 - GASKET, HEAT EXCHANGER TANK INLET *CONNECTION*									
	5146137	GASKET			2						
	5163760	GASKET (5.3090)								2	2
		5.3325 - GASKET, HEAT EXCHANGER TANK OUTLET CONNECTION									
	5134679	GASKET			1					1	1
	5122975	GASKET				1	1	1			
		5.3331 - HOSE, EXPANSION TANK OUTLET									
10A	**5199782**	HOSE, CUT TO 2.26" L.			1	1					1
10A	**5136038**	HOSE, 3 1/2"I.D.X2.76" L.					1	1			
	5114853	HOSE, CUT TO 2.50" L.								1	1
10A	**5118149**	HOSE, CUT TO 2.50" L. (4.1642)								1	
		5.3341 - CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE									
10B	**5188036**	CLAMP, 3" DIA. HOSE (12.9660)			2	2				2	2
10B	**9139813**	CLAMP, 3 1/2" DIA. HOSE (12.9660)					2	2			
	5186840	CLAMP, 13/16"X1 1/2" DIA. (12.9660)								2	2
		5.3395 - DRAIN ASSY., RADIATOR									
10A	**5124238**	HOSE, 3/8"X26"	1								
10A	**5171509**	CLIP, 5/8" HOSE (9.1591)	1								
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1								
	103321	LOCKWASHER, 3/8" (12.9200)	1								

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 377	378	379	380	381	382	384	385	394
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET									
10A	5127041	CONNECTOR, 3/4" 25 DEG. (5.1235)	4								
	8924198	CONNECTOR, 3/4" 25 DEG. (5.1235)								1	1
10B	5177218	CONNECTOR, 1" HOSE PIPE (5.1235)		2	2	2	2				
	5181801	ELBOW, 3/4"X1" (5.2161)	2	1		1					
	5107582	ELBOW, 3/4"X1" (12.9590)	2			2	2				
	5122663	ELBOW, 3/4"X1" (12.9590)	2	2	2	2	2				
	8924186	ELBOW, 3/4"X1"								4	4
	8924157	ELBOW, 3/4" 45 DEG. STR. (12.9590)	1								
	8924316	ELBOW, 1"								3	3
	189063	BUSHING, 1"X1 1/4" RED. (12.9570)	2								
	8924152	BUSHING, 1"X3/4" RED. (12.9570)								1	1
	114981	DRAINCOCK, 1/8" (12.9510)	1								
	8924140	DRAINCOCK, 1/4" (12.9510)	3	2		2	2			1	1
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET									
10A	5114449	* HOSE, 1"I.D.X5"L. (5118149)	2								
10A	5178419	* HOSE, 1"I.D.X6.50"L. (5118149)	3	2	2	2					
10A	5118149	HOSE, 1"I.D.X2.50"L. (4.1642)								4	4
10A	8920858	TUBE					2				
10A	8921783	TUBE (L.B.)								1	1
10A	8921784	TUBE (R.B.)								1	1
	5122962	COVER, CYL. BLK. WAT. HOLE (1.1060)								1	1
	179839	BOLT, 3/8"-16X1" (12.9001)								4	4
		* NOT SERVICED. USE STD. LENGTH HOSE SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.									
		5.3434 - CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE									
	5186840	CLAMP, 1 13/16"-1 1/2" DIA. (12.9660)	8	8	6	8	8		8	8	8
		5.3440 - ELBOW, EXHAUST MANIFOLD FRESH WATER OUTLET									
10A	8920866	TUBE	1								
10A	8921121	* TUBE		2	2	2					
10A	8920858	TUBE							2		
10A	8920857	TUBE					2		3		
10A	5107583	TUBE, L.H.		1	1	1					
10A	5107596	TUBE, R.H.		1	1	1					
10A	5181801	ELBOW, 3/4"-90 DEG. STR. (5.2161)	2		1						
10A	8924186	ELBOW, 3/4"X1" (12.9590)	2						2		
10A	5107582	ELBOW, 3/4"X1" (12.9590)	3	2					2		
10A	5127041	CONNECTOR, 3/4" 25 DEG. (5.1235)									
10A	5177218	CONNECTOR, 1" HOSE PIPE (5.1235)		2	1	1	2		4		
	128003	BUSHING, 1"X3/4" RED. (12.9570)	2	2	2	2	1		2		
	8924140	DRAINCOCK, 1/4" (12.9510)							2		
	148344	DRAINCOCK, 5/16" (12.9510)	1								
	118536	DRAINCOCK, 3/8" (12.9510)			1	1	1				
		* OBSOLETE NO REPLACEMENT.									

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 377	378	379	380	381	382	384	385	394
		5.3442 - HOSE, EXHAUST MANIFOLD FRESH WATER OUTLET									
10A	**5125722**	* HOSE, 1"I.D.X7.50"L. (5118149)	3								
10A	**5156170**	* HOSE, 1"I.D.X2.50"L. (5118149)	1	6	6	6	8		8		
10A	**5118149**	HOSE, CUT TO 2.00" L. (4.1642)								2	2
10A	**5186840**	CLAMP, 13/16"X1 1/2" DIA. (12.9660)			8	12	8		8	6	4
		* NOT SERVICED; USE STD. LENGTH HOSE SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.									
		5.3447 - TUBE, EXHAUST MANIFOLD FRESH WATER OUTLET									
10A	**8922149**	TUBE (EXH. MAN. TO BLOCK)								1	1
10A	**8921782**	TUBE (EXH. MAN. TO BLOCK)								1	1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2 9 4	2 9 5	2 9 6	2 9 9	3 0 0	3 0 1	3 0 4	3 0 7	3 0 9	3 1 1	3 1 2	3 1 3
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)									1			
6A	5175738	BLADE (28"-6 BLADE) (BLOWER)	1			1								
6A	5162666	BLADE (36"-8 BLADE) (BLOWER, RH ROTATION)		1										
6A	5100507	BLADE (34"-8 BLADE) (BLOWER)			1									
6A	5171228	BLADE (26"-6 BLADE) (SUCTION, RH ROTATION)					1							
6A	5177871	BLADE (28"-6 BLADE) (SUCTION)						1						1
6A	5128508	BLADE (24"-6 BLADE) (SUCTION)							1					
6A	5124147	BLADE (40"-8 BLADE) (SUCTION)								1				
6A	5189119	BLADE (36"-8 BLADE) (SECTION, RH ROTATION)										1		
6A	5125148	BLADE (36"-8 BLADE) (SUCTION)											1	
6A	100015	BOLT, 5/16"-24X1 1/4" (12.9001)	6											
6A	181342	BOLT, 5/16"-24X1 3/8" (12.9001)				6								
6A	454151	BOLT, 5/16"-24X1 1/2" (12.9001)			6									
	454879	BOLT, 5/16"-24X2 1/4" (12.9001)		6								6		
6A	446093	BOLT, 5/16"-24X2 3/8" (12.9001)					6	6	6					
6A	181351	BOLT, 5/16"-24X3" (12.9001)												6
6A	181435	BOLT, 1/2"-20X2" (12.9001)											4	
6A	100055	BOLT, 1/2"-20X2 1/2" (12.9001)								4				
6A	103320	LOCKWASHER, 5/16" (12.9200)	6	6	6	6	6	6	6			6		6
6A	103323	LOCKWASHER, 1/2" (12.9200)								4			4	
6A	114493	NUT, 5/16 EYE BOLT (12.9120)	6	6	6	6	6	6	6			6		6
6A	103028	NUT, 1/2"-20 HEX. (12.9120)								4			4	
		5.4015 - PULLEY AND HUB ASSY., FAN												
		FOR COMPONENTS SEE ASSY. BREAKDOWN PAGES AS SHOWN.												
	5129509	+ PULLEY AND HUB ASSY. (PAGE B1) (5103966)	1				1	1	1					
	5129510	– PULLEY AND HUB ASSY. (PAGE B1) (5103860)		1	1	1				1		1		1
	5124228	* PULLEY AND HUB ASSY. (PAGE B1)									1		1	
		* NOT SERVICED; USE COMPONENTS.												
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
6A	5103079	SUPPORT	1	1	1	1	1	1		1	1	1	1	1
6A	5122264	SUPPORT							1					
	5126729	SPACER		1						1		1		
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)	4	4	4		4	4	4	4	4	4		
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
6A	187152	BOLT, 1/2"-13X5" (12.9001)		1								1		
6A	271563	BOLT, 5/8"-11X2 1/4" (12.9001)	1	1	1	1	1	1		1	1	1	1	1
6A	271574	BOLT, 5/8"-11X5" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	103343	WASHER, 1/2" FLAT (12.9190)	AR	AR	AR	AR	AR	AR	AR	AR	AR			

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 294	295	296	299	300	301	304	307	309	311	312	313
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
	103345	WASHER, 5/8" FLAT (12.9190)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
	5131978	WASHER	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	
6A	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		5.4180 - CAP AND SPACER ASSY., FAN HUB												
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180. FOR PULLEY CAP SEE PULLEY AND HUB ASSY. BREAKDOWN.												
	5103676	SPACER, THICK					2	2	2					3
	5128729	CAP AND SPACER ASSY. (SPACER 11/16" THICK								1				
	5103718	SPACER,		1								1		
6A	5172852	CAP (SPACER)			1		1	1	1	1	1	1		1
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
6A	5122282	BOLT (1/2"-13X3 1/2")									1		1	1
6A	5124203	BOLT (1/2"-13X5")	1	1	1	1	1	1	1	1		1		

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3171	3178	3179	3233	3235	3236	3237	3239	3333	3334	3335
		5.4010 - BLADE, FAN											
	NPN	BLADE (CUSTOMER FURNISHED)		1			1					1	
6A	5124147	BLADE (40"-8 BLADE) (SUCTION)							1				
6A	5189119	BLADE (36"-8 BLADE) (SECTION, RH ROTATION)						1					
6A	9178064	BLADE (32"-8 BLADE) (SUCTION)	1										
6A	5100506	BLADE (34"-8 BLADE) (SUCTION)			1								
6A	5162837	BLADE (22"-5 BLADE) (BLOWER)				1							
6A	5177766	BLADE (26"-6 BLADE) (SUCTION)								1			
6A	5171229	BLADE (26"-6 BLADE) (BLOWER)									1		
6A	5126383	BLADE (40"-8 BLADE) (BLOWER)											1
6A	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				1							
6A	100015	BOLT, 5/16"-24X1 1/4" (12.9001)									6		
6A	100018	BOLT, 5/16"-24X2" (12.9001)	6										
6A	446093	BOLT, 5/16"-24X2 3/8" (12.9001)						6		6			
6A	181350	BOLT, 5/16"-24X2 3/4" (12.9001)			6					6			
6A	181435	BOLT, 1/2"-20X2" (12.9001)											4
6A	103320	LOCKWASHER, 5/16" (12.9200)	6		6	6				6	6		
6A	103323	LOCKWASHER, 1/2" (12.9200)											4
6A	114493	NUT, 5/16 EYE BOLT (12.9120)	6		6			6		6	6		
6A	103028	NUT, 1/2"-20 HEX. (12.9120)											4
		5.4015 - PULLEY AND HUB ASSY., FAN											
		FOR COMPONENTS SEE ASSY. BREAKDOWN PAGES AS SHOWN.											
	5129509	+ PULLEY AND HUB ASSY. (PAGE B1) (5103966)		1		1	1			1	1		
	5129510	– PULLEY AND HUB ASSY. (PAGE B1) (5103860)	1		1			1	1				1
	5124228	* PULLEY AND HUB ASSY. (PAGE B1)										1	
		* NOT SERVICED; USE COMPONENTS.											
		– NOT SERVICED; USE PART NUMBER IN PARENTHESES.											
		5.4025 - SUPPORT, FAN MOUNTING											
6A	5134619	SUPPORT	1		1	1	1	1		1	1		1
6A	5122264	SUPPORT							1			1	
6A	5127154	SUPPORT		1									
	5126729	SPACER											1
	9409053	BOLT, 1/2"-13 X 1 1/2" LOCKING	4		4		4			4			4
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1		1		1			1	1	1	
6A	187152	BOLT, 1/2"-13X5" (12.9001)				1		1	1				1
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)		1									
6A	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)	1		1	1		1		1	1		1
6A	271574	BOLT, 5/8"-11X5" (12.9001)	2	2	2	2	2	2	2 AR	2	2	2	2
	103343	WASHER, 1/2" FLAT (12.9190)	AR		AR	AR		AR		AR	AR		AR
	103345	WASHER, 5/8" FLAT (12.9190)	AR		AR		AR			AR			AR
	5131978	WASHER,											

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	319	323	325	326	327	329	333	334	335
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)											
6A	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR
		5.4180 - CAP AND SPACER ASSY., FAN HUB											
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180. FOR PULLEY CAP SEE PULLEY AND HUB ASSY. BREAKDOWN.											
	5103676	SPACER,			2		2			2			
	5128729	CAP AND SPACER ASSY. (SPACER 11/16" THICK.							1				
	5103718	SPACER,	1					1	1				
6A	5172852	CAP (SPACER)	1		1		1	1	1	1			
6A	5126330	SPACER (4.64"L.)				1							
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)				6							
	446093	BOLT, 5/16"-24X2 3/8" (12.9001)	6										
	103320	LOCKWASHER, 5/16" (12.9200)	6			6							
	114493	NUT, 5/16"-24 HEX. (12.9120)	6			6							
		5.4290 - SCREW, FAN BRACKET ADJUSTING											
A	5122282	BOLT (1/2"-13X3 1/2")		1				1		1		1	
6A	5124203	BOLT (1/2"-13X5")	1		1	1	1		1		1		1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 337	341	342	345	348	359	363	365	367	381	382	385
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)						1	1		1	1		1
6A	5171228	BLADE (26"-6 BLADE) (SUCTION, RH ROTATION)	1											
6A	5175738	BLADE (28"-6 BLADE) (BLOWER)		1										
6A	5177871	BLADE (28"-6 BLADE) (SUCTION, RH ROTATION)			1					1				
6A	5122913	BLADE (34"-8 BLADE) (BLOWER)				1								
6A	5189119	BLADE (36"-8 BLADE) (SUCTION)					1						1	
6A	5162666	BLADE (36"-8 BLADE) (BLOWER, RH ROTATION)					6			6				
6A	5126383	BLADE (40"-8 BLADE) (BLOWER)		6									4	
6A	186649	BOLT, 5/16"-24X1 5/8" (12.9001)	6		6	6	6	6	6	6	6	6	AR	
6A	100015	BOLT, 5/16"-24X1 1/4" (12.9001)											4	
6A	446093	BOLT, 5/16"-24X2 3/8" (12.9001)												
6A	181350	BOLT, 5/16"-24X2 3/4" (12.9001)												
6A	181351	BOLT, 5/16"-24X3" (12.9001)												
6A	181435	BOLT, 1/2"-20X2" (12.9001)												
6A	103320	LOCKWASHER, 1/2" (12.9100)	6	6	6	6	6		6	6			AR	
6A	103323	LOCKWASHER, 1/2" (12.9100)												
6A	114493	NUT, 5/16 EYE BOLT (12.9120)	6	6	6	6	6			6			4	
6A	103028	NUT, 1/2"-20 HEX. (12.9120)												
		5.4015 - PULLEY AND HUB ASSY., FAN												
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS SHOWN.												
	5129509	* PULLEY AND HUB ASSY. (PAGE 81) (5103966)	1	1	1	1	1	1	1		1			1
	5129510	* PULLEY AND HUB ASSY. (PAGE 81) (5103860)								1		1	1	
		* NOT SERVICED; USE PART NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
6A	5122264	SUPPORT	1	1	1				1	1	1	1		
6A	5103079	SUPPORT				1	1	1					1	
6B	5100045	SUPPORT												
	5126729	SPACER			1								4	
6A,B	186314	BOLT, 3/8"-24X4 1/4" (12.9001)											3	
6A,B	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		4	4				4		4	4		
	9409053	BOLT,1/2"-13X1 1/2" (12.9001)	1	1	1	1	1	1	1	1	1	1		
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)				1	1	1	1					
6A	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)	2	2	2	2	2	2	2	2	2	2		
6A	271574	BOLT, 5/8"-11X5" (12.9001)		AR	AR				AR		AR	AR		
	5131978	WASHER,											AR	
6A,B	103321	LOCKWASHER, 3/8" (12.9200)											AR	
6A,B	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		
6A	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		
6A	103325	LOCKWASHER, 5/8" (12.9200)												

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 337	341	342	345	348	359	363	365	367	381	382	385
		5.4180 - CAP AND SPACER, FAN HUB												
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180. FOR PULLEY CAP SEE PULLEY AND HUB ASSY. BREAKDOWN.												
6A	**5103676**	CAP AND SPACER ASSY. (SPACER	2		1	1	2							2
	5103718	CAP AND SPACER ASSY. (SPACER			1	1								
6A	**5128729**	CAP AND SPACER ASSY. (SPACER						1						
6A	**5176204**	CAP AND SPACER ASSY. (SPACER							1		1			
6A	**5172852**	CAP (SPACER)	1		1	1		1	1		1			1
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
6A	**5122282**	BOLT (1/2"-13X3 1/2")	1	1	1	1	1		1	1	1	1		
6A	**5124203**	BOLT (1/2"-13X5")						1					1	1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 386	387	390	393	394	395	396	397	398	399	400
		5.4010 - BLADE, FAN											
	NPN	BLADE (CUSTOMER FURNISHED)		1	1								
6A	5171229	BLADE (26"-6 BLADE) (BLOWER)	1										
6A	5177766	BLADE (26"-6 BLADE) (SUCTION, RH ROTATION)									1		
6A	5177871	BLADE (28"-6 BLADE) (SUCTION, RH ROTATION)								1			
6A	9178064	BLADE (32"-8 BLADE) (SUCTION, RH ROTATION)				1							
6A	5122913	BLADE (34"-8 BLADE) (BLOWER)					1						
6A	5189119	BLADE (36"-8 BLADE) (SUCTION)							1				
6A	5124147	BLADE (40"-8 BLADE) (SUCTION)											1
6A	5196743	BLADE (44"-8 BLADE) (SUCTION)						1					
6A	446093	BOLT, 5/16"-24X2 3/8" (12.9001)	6								6		
6A	181350	BOLT, 5/16"-24X2 3/4" (12.9001)				6	6						
6A	100055	BOLT, 1/2"-20X2 1/2" (12.9001)						4					4
6A	103320	LOCKWASHER, 5/16" (12.9200)	6			6	6				6		
6A	103323	LOCKWASHER, 1/2" (12.9100)						AR					AR
6A	114493	NUT, 5/16 EYE BOLT (12.9120)	6			6	6				6		
6A	103028	NUT, 1/2"-20 HEX. (12.9120)						4					4
		5.4015 - PULLEY AND HUB ASSY., FAN											
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS SHOWN.											
	5129509	* PULLEY AND HUB ASSY. (PAGE B1) (5103966)	1			1					1		
	5129510	* PULLEY AND HUB ASSY. (PAGE B1) (5103860)					1					1	1
	5100100	* PULLEY AND HUB ASSY. (PAGE B1) (5103884)		1	1								
	5129511	* PULLEY AND HUB ASSY. (PAGE B1) (5103969)						1	1				
		* NOT SERVICED; USE PART NUMBER IN PARENTHESES.											
		5.4025 - SUPPORT, FAN MOUNTING											
6A	5101362	SUPPORT	1		1	1					1		
6A	5134619	SUPPORT		1			1		1				
6B	5100045	SUPPORT						1					1
	5126729	SPACER				1							
6A,B	186314	BOLT, 3/8"-24X4 1/4" (12.9001)						4					
6A,B	454933	BOLT, 7/16"-14X1 1/8" (12.9001)						3					
	9409053	BOLT,1/2"-13X1 1/2" (12.9001)		4	4				4		1		
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1	1	1	1	1		1		1		
6A	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)		1			1	1	1				
6A	271574	BOLT, 5/8"-11X5" (12.9001)	2	2	2	2	2		2		2		
	5131978	WASHER		AR		AR				AR		AR	
6A,B	103321	LOCKWASHER, 3/8" (12.9200)						AR					AR
6A,B	103322	LOCKWASHER, 7/16" (12.9200)						AR					AR
6A	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR		AR		AR		
6A	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR		AR		

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 386	387	390	393	394	395	396	397	398	399	400
		5.4180 - CAP AND SPACER, FAN HUB											
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180. FOR PULLEY CAP SEE PULLEY AND HUB ASSY. BREAKDOWN.											
6A	5103676	SPACER,	2			1	2				2		
	5103718	SPACER,				1							
6A	5128729	CAP AND SPACER ASSY. (SPACER						1					1
6A	5172852	CAP (SPACER)	1			1	1	1			1		1
		5.4290 - SCREW, FAN BRACKET ADJUSTING											
6A	5122282	BOLT (1/2"-13X3 1/2")	1		1	1					1		
6A	5124203	BOLT (1/2"-13X5")		1			1	1	1				1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 402	403	404	405	406	409	411	412	413	414	415	418
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)	1		1						1			
6A	5175738	BLADE (28"-6 BLADE, SUCTION)		1										
6A	5109047	BLADE (44"-8 BLADE, BLOWER)				1								
6A	5124147	BLADE (40"-8 BLADE, BLOWER)					1							
6A	5196743	BLADE (44"-8 BLADE, SUCTION)							1					
6A	5177871	BLADE (28"-6 BLADE, SUCTION)								1				
6A	5162666	BLADE (36"-8 BLADE, BLOWER)						1				1		
6A	5126383	BLADE (40"-8 BLADE, SUCTION)											1	
6A	5171229	BOLT, 5/16"-24X2 3/4" (12.9001)										6		
6A	181350	BOLT, 5/16"-24X1 5/8" (12.9001)								6				
6A	446093	BOLT, 5/16"-24X2 3/4" (12.9001)											4	
6A	181350	BOLT, 5/16"-24X2 1/2" (12.9001)		6										
	455017	BOLT, 5/16"-24X2 1/2" (12.9001)						6						6
6A	181351	BOLT, 5/16"-24X3" (12.9001)					4							
6A	217220	BOLT, 5/16"-24X3 3/4" (12.9001)				4			4					
6A	9409023	BOLT, 1/2"-20X2" (12.9001)		6				6		6		6		6
6A	100055	BOLT, 1/2"-20X2 1/2" (12.9001)				4	4		4				4	
6A	103320	LOCKWASHER, 5/16" (12.9200)		6				6		6		6		6
6A	103323	LOCKWASHER, 1/2" (12.9200)				4	4		4				4	
6A	121917	NUT, 5/16"-24 HEX. (12.9120)		6				6		6		6		6
6A	117051	NUT, 1/2"-20 HEX. (12.9120)				4	4		4				4	
		5.4015 - PULLEY AND HUB ASSY., FAN												
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS SHOWN.												
	5129509	* PULLEY AND HUB ASSY. (PAGE B1) (5103966)		1										1
	5129511	* PULLEY AND HUB ASSY. (PAGE B1) (5103969)				1								
	5129510	* PULLEY AND HUB ASSY. (PAGE B1) (5103860)					1	1	1	1		1	1	
	5109274	@ PULLEY AND HUB ASSY. (PAGE B1)									1			
		* NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES.												
		@ OBSOLETE.												
		5.4025 - SUPPORT, FAN MOUNTING												
6A	5127154	SUPPORT	1											
6A	5122264	SUPPORT		1						1	1			
6A	5134619	SUPPORT			1		1	1	1			1	1	1
6A	5100045	SUPPORT				1								
	5158631	SHIM (.031") (8.1630)				AR								
	5126729	SPACER		1			1		1			1		
	5126323	SPACER (4.4110)					AR							
6B	186314	BOLT, 3/8"-24X4 1/4" (12.9001)				4								
6B	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				3								
6A,B	186725	BOLT, 1/2"-13X1 1/2" (12.9001)		2		2								
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)		4					4				4	4
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)		1	1			1		1	1	1		1
6A	187152	BOLT, 1/2"-13X5" (12.9001)					1		1				1	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 402	403	404	405	406	409	411	412	413	414	415	418
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
6A	**9427945**	BOLT, 1/2"-13X6 1/4" (12.9001)	1											
6A	**8922143**	BOLT, 5/8"-11X2 1/4" (12.9001)			1		1	1	1			1	1	1
6A	**271574**	BOLT, 5/8"-11X5" (12.9001)	2	2	2		2	2	2	2	2	2	2	2
6B	**103342**	WASHER, 7/16" FLAT (12.9190)				3								
6B	**103343**	WASHER, 1/2" FLAT (12.9190)		2		2								
	5131978	WASHER,		AR					AR				AR	AR
	103345	WASHER, 5/8" FLAT (12.9190)					2		2			3		
6B	**103321**	LOCKWASHER, 3/8" (12.9200)				AR								
6B	**103322**	LOCKWASHER, 7/16" (12.9200)				AR								
6A,B	**103323**	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
6A	**103325**	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR		AR	AR	AR	AR		AR	AR	AR
		5.4090 - BRACKET, FAN SHAFT												
	NPN	BRACKET (CUSTOMER FURNISHED)	1											
		5.4100 - SHAFT, FAN												
		(FOR CUSTOMER FURNISHED BRACKET)												
6A,B	**103385**	PIN, 1/8"X1 1/4" COTTER (12.9250)	1											
6A,B	**122797**	NUT, 5/8"-18 HEX. SLOTTED (12.9130)	1											
		5.4110 - BEARING, FAN SHAFT												
		(FOR CUSTOMER FURNISHED BRACKET)												
6A,B	**907278**	BEARING (INNER) (N.D. Z97509LR1B)	1											
6A,B	**908002**	BEARING (OUTER) (N.D. 55694L1C) (5.4332)	1											
		5.4140 - RETAINER, FAN SHAFT BEARING												
		(FOR CUSTOMER FURNISHED BRACKET)												
6A	**5188194**	RING, SNAP (1.350"I.D.)	1											
6A,B	**274746**	RING, LOCK (5.4235)	1											
		5.4180 - CAP AND SPACER ASSY., FAN HUB												
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180.												

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 402	403	404	405	406	409	411	412	413	414	415	418
		5.4180 - CAP AND SPACER ASSY., FAN HUB (CONT'D)												
6A	5103676	SPACER,	2	1				1		2				
6A	5103718	SPACER,		1				1						
6A	5182861	CAP AND SPACER ASSY. (SPACER 2.50" W.)			1									1
6A	5128729	CAP AND SPACER ASSY. (SPACER 11/16" W.)				1			1				1	
6A,B	5144798	CAP (PULLEY)	1											
6A,B	5172852	CAP (SPACER)	1	1	1	1		1	1	1			1	1
		5.4235 - HUB, FAN												
		(FOR CUSTOMER FURNISHED BRACKET)												
6A	5108761	* PULLEY (HUB) (3 GROOVE, 9.40" DIA. 1 GROOVE, 7.50" DIA.)	1											
		* OBSOLETE.												
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
6A	5122282	BOLT (1/2"-13X3 1/2")	1	1						1	1			
6A,B	5124203	BOLT (1/2"-13X5")			1	1	1	1	1			1	1	1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 421	422	424	425	427	432	440	460	467	472	474
		5.4001 - FAN ASSY.											
		SEE ASSEMBLY BREAKDOWN PAGE A1.											
	5132992	@ FAN ASSY. (24"-6 BLADE, SUCTION)						1					
	5132993	@ FAN ASSY. (26"-6 BLADE, SUCTION)							1				
	103320	LOCKWASHER, 5/16" (12.9200)						6	6				
6A	**123197**	NUT, 5/16"-18 HEX. (12.9120)						6	6				
		@ OBSOLETE.											
		5.4003 - REPAIR KIT, FAN											
	5197649	* REPAIR KIT, FAN						AR	AR				
	5197903	FLUID, SILCONE (150 CC CAN)						AR	AR				
	5197904	GREASE, SILICONE (2 OZ. TUBE)						AR	AR				
		* OBSOLETE.											
		5.4010 - BLADE, FAN											
	NPN	BLADE (CUSTOMER FURNISHED)			1	1				1	1	1	
6A	**5126383**	BLADE (40"-8 BLADE, SUCTION)		1			1						
6A	**5109396**	BLADE (32"-8 BLADE, BLOWER)	1										
6A	**5101349**	BLADE (32"-8 BLADE, SUCTION)											1
6A	**186629**	BOLT, 5/16"-18X1" (12.9001)								6			
6A	**186649**	BOLT, 5/16"-24X1 5/8" (12.9001)	6										
6A	**446093**	BOLT, 5/16"-24X2 3/8" (12.9001)								6			
6A	**100055**	BOLT, 1/2"-20X2 1/2" (12.9001)		4									
6A	**103320**	LOCKWASHER, 5/16" (12.9200)	6							6			
6A	**103323**	LOCKWASHER, 1/2" (12.9200)		4									
6A	**121917**	NUT, 5/16"-24 HEX. (12.9120)	6										
6A	**117051**	NUT, 1/2"-20 HEX. (12.9120)		4									
		5.4015 - PULLEY AND HUB ASSY., FAN											
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS SHOWN.											
	5129511	PULLEY AND HUB ASSY. (PAGE B1)					1						1
	5129510	* PULLEY AND HUB ASSY. (PAGE B1) (5103860)	1	1	1	1							
	5109274	@ PULLEY AND HUB ASSY. (PAGE B1)						1	1				
	5100100	* PULLEY AND HUB ASSY. (PAGE B1) (5103884)										1	
		* NOT SERVICED; USE PART NUMBER IN PARENTHESES.											
		@ OBSOLETE.											
		5.4025 - SUPPORT, FAN MOUNTING											
6A	**5122264**	SUPPORT				1		1	1				
6A	**5103079**	SUPPORT	1				1			1			1
6A	**5100045**	SUPPORT		1	1								

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 421	422	424	425	427	432	440	460	467	472	474
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)											
6A	**5127154**	SUPPORT									1		
	5130043	* SUPPORT										1	
	5139006	# ? SUPPORT										1	
	5158631	SHIM (.031") (8.1630)		AR	AR								
	5130035	= ADAPTOR										1	
	5126323	SPACER (4.4110)		AR	AR								
6A	**5135008**	# % SPACER (FOR 5134931 SUPPORT)										2	
	5130032	SPACER (FOR 5130043 SUPPORT)										1	
6B	**186314**	BOLT, 3/8"-24X4 1/4" (12.9001)		4	4							3	
6B	**454933**	BOLT, 7/16"-14X1 1/8" (12.9001)		3	3								
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)										3	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)										2	
6A,B	**186725**	BOLT, 1/2"-13X1 1/2" (12.9001)		2		2	2	2	2	2		2	2
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)									4		
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)										4	
6A	**187201**	BOLT, 1/2"-13X4 3/4" (12.9001)	1			1	1	1	1	1			1
6A	**9427945**	BOLT, 1/2"-13X6 1/4" (12.9001)									1		
6A	**8922143**	BOLT, 5/8"-11X2 1/4" (12.9001)	1			1	1			1			1
6A	**271574**	BOLT, 5/8"-11X5" (12.9001)	2			2	2	2	2	2	2		2
6B	**103342**	WASHER, 7/16" FLAT (12.9190)		3	3								
6B	**103343**	WASHER, 1/2" FLAT (12.9190)		2	2	2	2	2	2	2		2	2
	103345	WASHER, 5/8" FLAT (12.9190)					3			3			
	5131978	WASHER										AR	
6B	**103321**	LOCKWASHER, 3/8" (12.9200)		AR	AR								
6B	**103322**	LOCKWASHER, 7/16" (12.9200)		AR	AR						AR	AR	
6A,B	**103323**	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	**103325**	LOCKWASHER, 5/8" (12.9200)	AR			AR	AR	AR	AR	AR	AR		AR
		* THRU 16VA-802, NOT SERVICED. REPLACE WITH 5139006 SUPPORT AND 2-5135008 SPACERS.											
		# EFFECTIVE WITH 16VA-803.											
		? NOT SERVICED; USE 5103302, 5103303.											
		% OBSOLETE.											
		= NOT SERVICED; USE 5103302, 5103303 AND 5103304.											
		5.4180 - CAP AND SPACER ASSY., FAN HUB											
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180.											
6A	**5128729**	CAP AND SPACER ASSY. (SPACER 11/16" W.)		1									
6A	**5103718**	SPACER				1				2	1		
6A	**5103676**	SPACER								1	1		
6A,B	**5172852**	CAP (SPACER)		1		1							
		5.4290 - SCREW, FAN BRACKET ADJUSTING											
6A	**5122282**	BOLT (1/2"-13X3 1/2")				1		1	1		1		
6A,B	**5124203**	BOLT (1/2"-13X5")	1	1	1		1			1			1
6B	**5130037**	BOLT (1/2"-13X8 1/2")										1	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 421	422	424	425	427	432	440	460	467	472	474
	5.4290	**- SCREW, FAN BRACKET ADJUSTING (CONT'D)**											
	103343	WASHER, 1/2" FLAT (12.9190)										1	
	103323	LOCKWASHER, 1/2" (12.9200)										1	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 485	489	496	497	498	502	504	505	517	524	525	526
		5.4001 - FAN ASSY.												
		SEE ASSEMBLY BREAKDOWN PAGE A1. • FOR TYPE 486 USE TYPE 826 • • FOR TYPE 519 USE TYPE 907 •												
6A	**5132993**	@ FAN ASSY. (26"-6 BLADE, SUCTION)	1											
	103320	LOCKWASHER, 5/16" (12.9200)	6											
6A	**120376**	NUT, 5/16"-18 HEX. (12.9120)	6											
		@ OBSOLETE.												
		5.4003 - REPAIR KIT, FAN												
	5197649	* REPAIR KIT, FAN	AR											
	5197903	FLUID, SILICONE (150 CC CAN)	AR											
	5197904	GREASE, SILICONE (2 OZ. TUBE)	AR											
		* OBSOLETE.												
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)			1	1						1		1
6A	**5128508**	BLADE (24"-6 BLADE, SUCTION)		1										
6A	**5172003**	BLADE (26"-6 BLADE, BLOWER)					1							
6A	**5124147**	BLADE (40"-8 BLADE, SUCTION)						1						
6A	**5196743**	BLADE (44"-8 BLADE, SUCTION)							1					
6A	**5126383**	BLADE (40"-8 BLADE, BLOWER)								1	1			
6A	**5131625**	BLADE (36"-6 BLADE, BLOWER)											1	
1	**454879**	BOLT, 5/16"-24X2 1/4" (12.9001)					6							
1	**446093**	BOLT, 5/16"-24X2 3/8" (12.9001)		6								6		
6A	**217220**	BOLT, 5/16"-24X3 1/4" (12.9001)											6	
6A	**9409023**	BOLT, 1/2"-20X2" (12.9001)								4				
6A	**100055**	BOLT, 1/2"-20X2 1/2" (12.9001)						4	4		4			
6A	**103320**	LOCKWASHER, 5/16" (12.9200)		6			6					6	6	
5A	**103323**	LOCKWASHER, 1/2" (12.9200)						4	4	4	4			
6A	**114493**	NUT, 5/16 EYE BOLT (12.9120)		6			6					6	6	
6A	**103028**	NUT, 1/2"-20 HEX. (12.9120)						4	4	4	4			
		5.4015 - PULLEY AND HUB ASSY., FAN												
		FOR COMPONENTS SEE ASSY. BREAKDOWN AS INDICATED.												
	5109274	@ PULLEY AND HUB ASSY. (PAGE B1)	1											
	5129509	# PULLEY AND HUB ASSY. (PAGE B1) (5103966)		1			1							
	5129510	# PULLEY AND HUB ASSY. (PAGE B1) (5103860)						1		1	1		1	
	5129511	# PULLEY AND HUB ASSY. (PAGE B1) (5103969)							1					
	5132188	* PULLEY AND SPINDLE ASSY. (PAGE B1)												1
		* NOT SERVICED, COMPONENTS ARE												

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 485	489	496	497	498	502	504	505	517	524	525	526
		5.4015 - PULLEY AND HUB ASSY., FAN (CONT'D)												
		AVAILABLE FOR COMPLETE REPLACEMENT USE 5101001												
		@ *OBSOLETE.*												
		# NOT SERVICED; USE NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
6A	5134619	SUPPORT	1	1	1							1		
6A	5127154	SUPPORT				1								
6A	5122264	SUPPORT					1						1	
	5130043	* SUPPORT						1	1	1	1			
	5139006	# ? SUPPORT						1	1	1	1			
6A	5131940	@ SUPPORT												1
	5130035	= ADAPTOR						1	1	1	1			
	5135008	# ~ SPACER (FOR 5134931 SUPPORT)						2	2	2	2			
	5130032	SPACER (FOR 5130043 SUPPORT)						2	2	2	2			
	5109919	SPACER												2
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)						4	4	4	4			
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						2	2	2	2			
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)						4	4	4	4			
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)						4	4	4	4			
	442734	BOLT, 1/2"-13X4" (12.9001)												1
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1	1	1	1	1					1	1	
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)				1								
6A	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)	1		1							1		
1	271574	BOLT, 5/8"-11X5" (12.9001)	2	2	2	2	2					2	2 AR	2
	5131978	WASHER,												
	103345	WASHER, 5/8" FLAT (12.9190)	1											
6B	103322	LOCKWASHER, 7/16" (12.9200)						AR	AR	AR	AR			AR
6A,B	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR					AR	AR	AR
		* THRU 16VA-302 NOT SERVICED; REPLACE WITH 5139006 SUPPORT AND 2-5135008 SPACERS.												
		# EFFECTIVE WITH 16VA-803.												
		@ NOT SERVICED; USE 5145024 PLUS (4) 427564 AND (1) 5108434.												
		? NOT SERVICED; USE 5103302, 5103303.												
		= NOT SERVICED; USE 5103302, 5103303 AND 5103304.												
		+ OBSOLETE.												
		5.4090 - BRACKET, FAN SHAFT												
		A BRACKET ASSY. INCLUDES FAN SHAFT WHICH IS NOT SERVICED SEPARATELY AND SNAP RING IN 5.4140.												
	NPN	BRACKET ASSY. (CUSTOMER FURNISHED)			1	1								
	5129474	BRACKET										1		
6A,B	186725	BOLT, 1/2"-13X1 1/2" (12.9001)										4		
	103343	WASHER, 1/2" FLAT (12.9190)										AR		

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 485	489	496	497	498	502	504	505	517	524	525	526
		5.4090 - BRACKET, FAN SHAFT (CONT'D)												
	103323	LOCKWASHER, 1/2" (12.9200)										AR		
		5.4100 - SHAFT, FAN												
		(FOR CUSTOMER FURNISHED BRACKET)												
6A,B	103385	PIN, 1/8"X1 1/4" COTTER (12.9250)				1								
6A,B	122797	NUT, 5/8"-18 HEX. SLOTTED (12.9130)				1								
		5.4110 - BEARING, FAN SHAFT												
		(FOR CUSTOMER FURNISHED BRACKET)												
6A,B	907278	BEARING (INNER) (N.D. Z97509LR1B)				1								
6A,B	908002	BEARING (OUTER) (N.D. 55694L1C) (5.4332)				1								
		5.4140 - RETAINER, FAN SHAFT BEARING												
		(FOR CUSTOMER FURNISHED BRACKET)												
6A	5188194	RING, SNAP (1.350"I.D.)				1								
6A,B	274746	RING, LOCK (5.4235)				1								
		5.4180 - CAP AND SPACER ASSY., FAN HUB												
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180.												
6A	5103676	CAP AND SPACER ASSY. (SPACER.50"W.)		2		2						2	2	
6A	5103718	CAP AND SPACER ASSY. (SPACER				1							1	
6A	5176204	CAP AND SPACER ASSY. (SPACER					1							
6A	5128729	CAP AND SPACER ASSY. (SPACER 11/16" W.)						1	1		1			
6A,B	5144798	CAP (PULLEY)				1								
6A,B	5172852	CAP (SPACER)		1		1	1	1	1		1	1	1	
		5.4235 - HUB, FAN												
		(FOR CUSTOMER FURNISHED BRACKET)												
6A	5130980	PULLEY (HUB) (4 GROOVE)				1								

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 485	489	496	497	498	502	504	505	517	524	525	526
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
6A	**5108434**	BOLT, (5/16"-18X5")												1
6A	**5122282**	BOLT (1/2"-13X3 1/2")		1		1	1						1	
6B	**5130037**	BOLT (1/2"-13X8 1/2")						1	1	1	1			
6A,B	**5124203**	BOLT (1/2"-13X5")	1		1							1		
	5109641	BRACKET, FAN ADJUSTING												1
	181393	BOLT, 7/16"-20X3/4" (12.9001)												2
	120393	WASHER, 5/16" (12.9190)												1
	103343	WASHER, 1/2" FLAT (12.9190)						1	1	1	1			
	103322	LOCKWASHER, 7/16" (12.9200)												2
	103323	LOCKWASHER, 1/2" (12.9200)						1	1	1	1			
	102637	NUT, 1/2"-13 (12.9120)			1									
		5.4390 - BRACE, ENGINE FRONT COVER FAN												
	5130017	BRACE, FRONT (4.32"L.)						1	1	1	1			
	5130018	BRACE, FRONT (5.52"L.)						1	1	1	1			
	5130030	BRACE, REAR						2	2	2	2			
	5151449	* PLUG (13/16") (1.2001)						2	2	2	2			
	180016	* BOLT, 1/4"-20X1/2" (12.9001)						4	4	4	4			
	5187988	BOLT (3/8"-16X7/8")						4	4	4	4			
	179865	BOLT, 7/16"-14X7/8" (12.9001)						4	4	4	4			
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)						2	2	2	2			
	5179709	* WASHER, COPPER (2.7175)						4	4	4	4			
	103322	LOCKWASHER, 7/16" (12.9200)						6	6	6	6			

* USED TO PLUG HOLES IN END OF CYLINDER HEAD.

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 527	534	538	540	541	542	544	546	547	549	553	557
		5.4001 - FAN ASSY.												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
6A	5132993	@ FAN ASSY. (26"-6 BLADE, SUCTION)									1			
	103320	LOCKWASHER, 5/16" (12.9200)									6			
6A	120376	NUT, 5/16"-18 HEX. (12.9120)									6			
		@ OBSOLETE.												
		5.4003 - REPAIR KIT, FAN												
	5197649	* REPAIR KIT, FAN									AR			
	5197903	FLUID, SILICONE (150 CC CAN)									AR			
	5197904	GREASE, SILICONE (2 OZ. TUBE)									AR			
		* OBSOLETE.												
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)					1		1			1		
6A	5128508	BLADE (24"-6 BLADE, SUCTION)			1								1	
6A	5124147	BLADE (40"-8 BLADE, SUCTION)				1								1
6A	5196743	BLADE (44"-8 BLADE, SUCTION)						1						
6A	5109047	BLADE (44"-8 BLADE, BLOWER)	1											
6A	5175738	BLADE (28"-6 BLADE, BLOWER)		1										
6A	5173429	BLADE (26"-4 BLADE, SUCTION)								1				
6A	179827	BOLT, 5/16"-18X2 1/4" (12.9001)			6									
6A	100015	BOLT, 5/16"-24X1 1/4" (12.9001)											6	
6A	446093	BOLT, 5/16"-24X2 3/8" (12.9001)		6										
6A	100019	BOLT, 5/16"-24X2 1/2" (12.9001)								6				
6A	9409023	BOLT, 1/2"-20X2" (12.9001)	4			4								
6A	100055	BOLT, 1/2"-20X2 1/2" (12.9001)						4						4
6A	103320	LOCKWASHER, 5/16" (12.9200)		6	6					6			6	
6A	103323	LOCKWASHER, 1/2" (12.9200)	4			4		4						4
6A	114493	NUT, 5/16 EYE BOLT (12.9120)		6						6			6	
6A	103028	NUT, 1/2"-20 HEX. (12.9120)	4			4		4						4
		5.4015 - PULLEY AND HUB ASSY., FAN												
		FOR COMPONENTS SEE ASSY. BREAKDOWN AS INDICATED.												
	5109274	* PULLEY AND HUB ASSY. (PAGE B1)									1			
	5129509	@ PULLEY AND HUB ASSY. (PAGE B1) (5103966)								1			1	
	5129510	@ PULLEY AND HUB ASSY. (PAGE B1) (5103860)		1		1						1		
	5129511	@ PULLEY AND HUB ASSY. (PAGE B1) (5103969)	1					1						1
	5132188	* PULLEY AND SPINDLE ASSY. (PAGE B1)			1		1							
	5132421	@ PULLEY AND HUB ASSY. (PAGE B1) (5103967)							1					
		* OBSOLETE.												

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 527	534	538	540	541	542	544	546	547	549	553	557
		5.4015 - PULLEY AND HUB ASSY., FAN (CONT'D)												
		@ NOT SERVICED; USE NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
6A	5103079	SUPPORT								1	1	1	1	
6A	5122264	SUPPORT		1										
	5130043	* SUPPORT	1			1		1	1					1
	5139006	#? SUPPORT	1			1		1	1					1
6A	5131940	@ SUPPORT			1		1							
	5130035	÷ ADAPTOR	1			1		1	1					1
	5135008	# % SPACER (FOR 5134931 SUPPORT)	2			2		2	2					2
	5130032	SPACER (FOR 5130043 SUPPORT)	2			2		2	2					2
	5109919	SPACER			2			2						
	5126729	SPACER										1		
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	4			4		4	4					4
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	2			2		2	2					2
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)	4			4		4	4					4
	9409053	BOLT, 1/2"-13X1 1/2"										4		
	442734	BOLT, 1/2"-13X4" (12.9001)			1		1							
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)					1			1	1	1	1	
6A	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)								1	1	1	1	
6A	271574	BOLT, 5/8"-11X5" (12.9001)		2	2		2			2	2	2	2	
	5131978	WASHER,										4		
	103345	WASHER, 5/8" FLAT (12.9190)											1	
6B	103322	LOCKWASHER, 7/16" (12.9200)	AR		AR	AR	AR	AR	AR					AR
6A,B	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
A	103325	LOCKWASHER, 5/8" (12.9200)		AR	AR		AR			AR	AR	AR	AR	
		* *THRU 16VA-802*, NOT SERVICED; REPLACE WITH 5139006 SUPPORT AND 2-5135008 SPACERS.												
		# EFFECTIVE WITH 16VA-803.												
		@ NOT SERVICED; USE 5145024 PLUS (4) 427564 AND (1) 5108434.												
		? NOT SERVICED; USE 5103302, 5103303.												
		÷ NOT SERVICED; USE 5103302, 5103303 AND 5103304.												
		% OBSOLETE.												
		5.4180 - CAP AND SPACER ASSY., FAN HUB												
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180.												
6A	5103676	SPACER		2	2				2					
6A	5128729	CAP AND SPACER ASSY. (SPACER 11/16" W.)	1					1						1
6A,B	5172852	CAP (SPACER)	1	1	1			1		1				1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5277	5334	5338	5400	5441	5442	5444	5446	5447	5449	5533	5557
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
6A	**5122282**	BOLT (1/2"-13X3 1/2")		1									1	
6B	**5130037**	BOLT (1/2"-13X8 1/2")	1			1		1	1					1
6A,B	**5124203**	BOLT (1/2"-13X5")								1	1	1		
	120393	WASHER, 5/16" FLAT (12.9190)			1		1							
	103343	WASHER, 1/2" FLAT (12.9190)	1			1		1	1					1
	103323	LOCKWASHER, 1/2" (12.9200)	1			1		1	1					
		5.4390 - BRACE, ENGINE FRONT COVER FAN												
	5130017	BRACE, FRONT (4.32"L.)	1			1			1					1
	5130018	BRACE, FRONT (5.52"L.)	1			1			1					1
	5130030	BRACE, REAR	2			2			2					2
	5151449	* PLUG (13/16") (1.2001)	2			2		2	2					2
	180016	* BOLT, 1/4"-20X1/2" (12.9001)	4			4		4	4					4
	5187988	BOLT (3/8"-16X7/8")	4			4			4					4
	179865	BOLT, 7/16"-14X7/8" (12.9001)	4			4			4					4
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)	2			2			2					2
	5179709	* WASHER, COPPER (2.7175)	4			4			4					4
	103322	LOCKWASHER, 7/16" (12.9200)	6			6			6					6

* USED TO PLUG HOLES IN END OF CYLINDER HEAD.

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 562	563	564	565	571	575	588	591	595	607	610	613
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)	1					1	1	1				
	5177766	BLADE (26"-6 BLADE, SUCTION)												1
	5135567	BLADE (34"-8 BLADE, SUCTION)											1	
	5162666	BLADE (36"-8 BLADE, BLOWER)			1		1					1		
6A	5124147	BLADE (40"-8 BLADE, SUCTION)		1		1								
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)					6							
6A	454151	BOLT, 5/16"-24X1 1/2" (12.9001)					6							
6A	454879	BOLT, 5/16"-24X2 1/4" (12.9001)			6									
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)							6				6	
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)											6	
6A	100055	BOLT, 1/2"-20X2 1/2" (12.9002)	4											
	9412020	BOLT, 1/2"-20X3" (12.9001)		4		4								
6A	103320	LOCKWASHER, 5/16" (12.9200)			6		6		6			6		6
6A	103323	LOCKWASHER, 1/2" (12.9200)	4	4		4							6	
6A	121917	NUT, 5/16"-24 HEX. (12.9120)			6		6		6			6		6
6A	103028	NUT, 1/2"-20 HEX. (12.9120)	4	4		4								
		5.4015 - PULLEY AND HUB ASSY., FAN												
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.												
	5129510	# PULLEY AND HUB ASSY. (PAGE B1) (5103860)	1		1							1		
	5100100	# PULLEY AND HUB ASSY. (PAGE B1) (5103884)		1		1								
	5132421	# PULLEY AND HUB ASSY. (PAGE B1) (5103967)					1							
	5134022	@ PULLEY AND HUB ASSY. (PAGE B1) (5103343)						1						
	5129509	# PULLEY AND HUB ASSY. (PAGE B1) (5103966)							1	1				1
	5135678	* DRIVE ASSY. (THERM. CONTROLLED FAN)											1	
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)											2	
	103343	WASHER, 1/2" FLAT (12.9190)											2	
	103323	LOCKWASHER, 1/2" (12.9200)											2	
		* SERVICED AS AN ASSEMBLY ONLY.												
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE PART NUMBER SHOWN IN PARENTHESES												
		# NOT SERVICED, USE NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
6A	5101362	SUPPORT	1		1	1			1	1	1	1	1	1
6A	5122264	SUPPORT		1										
	5139006	# = SUPPORT					1							
	5130043	* SUPPORT					1							
6A	5131940	@ SUPPORT						1						
	5130035	+ ADAPTOR					1							
6A	5126729	SPACER	1		1							1		
	5135008	# % SPACER (FOR 5134931 SUPPORT)					2							

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 562	563	564	565	571	575	588	591	595	607	610	613
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
	5130032	SPACER (FOR 5130043 SUPPORT)					2							
	5109919	SPACER						2						
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)					4							
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)					2							
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)	4	4		4			4	4		4		4
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)					4							
	442734	BOLT, 1/2"-13X4" (12.9001)						1						
6A	**187201**	LOCKWASHER, 1/2" (12.9200)		1	1	1			1	1	1	1	1	1
	187152	BOLT, 1/2"-13X5" (12.9001)	1											
6A	**8922143**	BOLT, 5/8"-11X2 1/4" (12.9001)	1		1	1			1	1	1			1
6A	**271574**	BOLT, 5/8"-11X5" (12.9001)	2	2	2	2		2	2	2	2	2	2	2
	5131978	WASHER,	AR	AR		AR			AR	AR	2	AR		AR
	103345	WASHER, 5/8" FLAT (12.9190)	AR		AR					AR		AR		
6B	**103322**	LOCKWASHER, 7/16" (12.9200)					AR	AR						
6A,B	**103323**	LOCKWASHER, 1/2" (12.9200)	AR		AR		AR	AR	AR	AR	AR	AR	AR	AR
6A	**103325**	LOCKWASHER, 5/8" (12.9200)	AR		AR	AR		AR	AR	AR	AR	AR	AR	AR
		# NOT SERVICED, USE 5103302, 5103303.												
		* THRU 16VA-802, NOT SERVICED. REPLACE WITH 5139006 SUPPORT AND 2-5135008 SPACERS.												
		@ NOT SERVICED, USE 5145024 AND INCLUDE 4-427564 AND 1-5108434.												
		+ NOT SERVICED, USE 5103302, 5103303 AND 5103304.												
		% OBSOLETE.												
		= NOT SERVICED, USE 5103303, 5103304.												
		5.4090 - BRACKET, FAN SHAFT												
		(FOR CUSTOMER FURNISHED BRACKET)												
	NPN	BRACKET ASSY. (CUSTOMER FURNISHED)									1			
6A,B	**186725**	BOLT, 1/2"-13X1 1/2" (12.9001)									2			
	103343	WASHER, 1/2" FLAT (12.9190)									AR			
	103323	LOCKWASHER, 1/2" (12.9200)									AR			
		5.4100 - SHAFT, FAN												
		(FOR CUSTOMER FURNISHED BRACKET)												
	5123795	SHAFT									1			
6A,B	**103385**	PIN, 1/8"X1 1/4" COTTER (12.9250)									1			
6A,B	**122797**	NUT, 5/8"-18 HEX. SLOTTED (12.9130)									1			
		5.4110 - BEARING, FAN SHAFT												
		(FOR CUSTOMER FURNISHED BRACKET)												
6A,B	**907278**	BEARING (INNER) (N.D. Z97509LR1B)									1			
6A,B	**908002**	BEARING (OUTER) (N.D. 55694L1C)									1			

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 562	563	564	565	571	575	588	591	595	607	610	613
		5.4110 - BEARING, FAN SHAFT (CONT'D)												
		(5.4332)												
		5.4140 - RETAINER, FAN SHAFT BEARING												
		(FOR CUSTOMER FURNISHED BRACKET)												
6A	**5188194**	RING, SNAP (1.350"I.D.)									1			
6A,B	**274746**	RING, LOCK (5.4235)									1			
		5.4180 - CAP AND SPACER ASSY., FAN HUB												
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180.												
6A	**5128729**	CAP AND SPACER ASSY. (SPACER 11/16" W.)	1											
	5133492	CAP AND SPACER ASSY. (SPACER 11/16" W.)		1		1								
6A	**5103718**	SPACER,			1							1		
6A	**5103676**	SPACER,							3			2		2
6A,B	**5172852**	CAP (SPACER)	1		1				1					1
6A,B	**5144798**	CAP (PULLEY)									1			
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
6A	**5132028**	BOLT (5/16"-18X2.50")						1						
6A	**5122282**	BOLT (1/2"-13X3 1/2")		1										
6A,B	**5124203**	BOLT (1/2"-13X5")	1		1	1			1	1		1	1	1
6B	**5130037**	BOLT (1/2"-13X8 1/2")					1							
	120393	WASHER, 5/16" FLAT (12.9190)						1						
	103343	WASHER, 1/2" FLAT (12.9190)					1							
	103323	LOCKWASHER, 1/2" (12.9200)					1							
		5.4390 - BRACE, ENGINE FRONT COVER FAN												
	5130017	BRACE, FRONT (4.32"L.)					1							
	5130018	BRACE, FRONT (5.52"L.)					1							
	5130030	BRACE, REAR (4.88"L.)					2							
	5151449	* PLUG (13/16") (1.1001)					2							
	180016	* BOLT, 1/4"-20X1/2" (12.9001)					4							
	5187988	BOLT, 3/8"-16X7/8" (12.9001)					4							
	179865	BOLT, 7/16"-14X7/8" (12.9001)					4							
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)					2							

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 562	563	564	565	571	575	588	591	595	607	610	613
		5.4390 - BRACE, ENGINE FRONT COVER FAN (CONT'D)												
	5179709 *	WASHER, COPPER (2.7175)					4							
	103322	LOCKWASHER, 7/16" (12.9200)					6							
		* USED TO PLUG HOLES IN END OF CYLINDER HEAD.												

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 614	618	619	622	623	624	628	630	631	633	650
		5.4010 - BLADE, FAN											
	NPN	BLADE (CUSTOMER FURNISHED)		1									
	5128508	BLADE (24"-6 BLADE, SUCTION)			1	1							
	5177766	BLADE (26"-6 BLADE, SUCTION)									1		
6A	5177871	BLADE (28"-6 BLADE, SUCTION)	1										
	5122913	BLADE (34"-8 BLADE, BLOWER)						1					
	5122912	BLADE (34"-8 BLADE, SUCTION)											1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)			6								
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)				6							
6A	454151	BOLT, 5/16"-24X1 1/2" (12.9001)						6					
6A	446093	BOLT, 5/16"-24X2 3/8" (12.9001)	6									6	6
	100019	BOLT, 5/16"-24X2 1/2" (12.9001)									6		
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)								6			
	181351	BOLT, 5/16"-24X3" (12.9001)					6						
6A	103320	LOCKWASHER, 5/16" (12.9200)	6		6	6	6	6		6	6		6
6A	121917	NUT, 5/16"-24 HEX. (12.9120)	6			6	6	6		6	6		6
		5.4015 - PULLEY AND HUB ASSY., FAN											
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.											
	5129510	+ PULLEY AND HUB ASSY. (PAGE B1) (5103860)					1	1		1	1	1	1
	5129509	+ PULLEY AND HUB ASSY. (PAGE B1) (5103966)	1			1							
	5132188	* PULLEY AND HUB ASSY. (PAGE B1) (5101001)			1								
		* NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE PART NUMBER SHOWN IN PARENTHESES											
		– NOT SERVICED, USE PART NUMSER IN PARENTHESES.											
		5.4025 - SUPPORT, FAN MOUNTING											
6A	5103079	SUPPORT		1		1	1		1	1	1	1	1
6A	5122264	SUPPORT	1					1					
6A	5131940	* SUPPORT			1								
6A	5126729	SPACER	1				1			1			
	5109919	SPACER			2								
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)					4						
	442734	BOLT, 1/2"-13X4" (12.9001)			1								
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1	1		1	1	1		1		1	1
	187152	BOLT, 1/2"-13X5" (12.9001)								1			
6A	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)		1									1
6A	271574	BOLT, 5/8"-11X5" (12.9001)	2	2	2	2	2	2	2	2	2	2	2
	5131978	WASHER,					AR						
	103345	WASHER, 5/8" FLAT (12.9190)								AR			
6A,B	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
6A	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED. USE 5146024 AND											

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 614	618	619	622	623	624	628	630	631	633	650
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)											
		INCLUDE 4-427564 AND 1-5108434.											
		5.4090 - BRACKET, FAN SHAFT											
		(FOR CUSTOMER FURNISHED BRACKET)											
	NPN	BRACKET ASSY. (CUSTOMER FURNISHED)		1									
6A,B	186725	BOLT, 1/2"-13X1 1/2" (12.9001)		2									
	103343	WASHER, 1/2" FLAT (12.9190)		AR									
	103323	LOCKWASHER, 1/2" (12.9200)		AR									
		5.4100 - SHAFT, FAN											
		(FOR CUSTOMER FURNISHED BRACKET)											
6A,B	103385	PIN, 1/8"X1 1/4" COTTER (12.9250)		1									
6A,B	122797	NUT, 5/8"-18 HEX. SLOTTED (12.9130)		1									
		5.4110 - BEARING, FAN SHAFT											
		(FOR CUSTOMER FURNISHED BRACKET)											
6A,B	907278	BEARING (INNER) (N.D. Z97509LR1B)		1									
A,B	908002	BEARING (OUTER) (N.D. 55694L1C) (5.4332)		1									
		5.4140 - RETAINER, FAN SHAFT BEARING											
		(FOR CUSTOMER FURNISHED BRACKET)											
6A	5188194	RING, SNAP (1.350"I.D.)		1									
6A,B	274746	RING, LOCK (5.4235)		1									
		5.4180 - CAP AND SPACER ASSY., FAN HUB											
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180.											
6A	5103718	SPACER,					1					1	1
	5103676	CAP AND SPACER ASSY. (SPACER					1						
6A,B	5172852	CAP (SPACER)	1				1			1	1	1	1
6A,B	5144798	CAP (PULLEY)		1									

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 614	618	619	622	623	624	628	630	631	633	650
		5.4290 - SCREW, FAN BRACKET ADJUSTING											
6A	**5132028**	BOLT (5/16"-18X2.50")			1								
6A	**5122282**	BOLT (1/2"-13X3 1/2")	1					1					
6A,B	**5124203**	BOLT (1/2"-13X5")		1		1	1		1	1	1	1	1
	120393	WASHER, 5/16" FLAT (12.9190)			1								

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 651	655	658	665	668	673	675	676	677	679	682	683
		5.4010 - BLADE, FAN												
6A	5128508	BLADE (24"-6 BLADE) (SUCTION)	1				1		1				1	
6A	5171228	BLADE (26"-6 BLADE) (SUCTION)										1		
	5177766	BLADE (26"-6 BLADE) (BLOWER)				1								
6A	5177871	BLADE (28"-6 BLADE) (SUCTION)								1				
	5189119	BLADE (36"-8 BLADE) (SUCTION)									1			1
	5109047	BLADE (44"-8 BLADE) (BLOWER)							6				6	
	5138069	BLADE (48"-8 BLADE) (SUCTION)												
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)												
6A	186648	BOLT, 5/16"-18X1 7/8" (12.9001)	6				6					6		
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)				6				6				4
	100019	BOLT, 5/16"-24X2 1/2" (12.9001)									4			
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)												
	181351	BOLT, 5/16"-24X3" (12.9001)												
	100055	BOLT, 1/2"-20X2 1/2" (12.9001)												
	181443	BOLT, 1/2"-20X3 1/4" (12.9001)												
6A	103320	LOCKWASHER, 5/16" (12.9200)	6			6	6		6	6	4	6	6	4
	103323	LOCKWASHER, 1/2" (12.9200)												
6A	114493	NUT, 5/16"-24 HEX. (12.9120)				6				6		6		4
	103028	NUT, 1/2"-20 HEX. (12.9120)									4			
		5.4015 - PULLEY AND HUB ASSY., FAN												
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS SHOWN.												
	5132188	* PULLEY AND HUB ASSY. (PAGE B1)	1	1										
	5129509	+ PULLEY AND HUB ASSY. (PAGE B1) (5103966)				1								
	5132421	+ PULLEY AND HUB ASSY. (PAGE B1) (5103967)					1							
	5100100	+ PULLEY AND HUB ASSY. (PAGE B1) (5103884)						1						
	5100981	+ PULLEY AND HUB ASSY. (PAGE D1) (5103344)							1				1	
	5129510	+ PULLEY AND HUB ASSY. (PAGE B1) (5103866)								1				
	5129511	+ PULLEY AND HUB ASSY. (PAGE B1) (5103969)									1			1
		* NOT SERVICED, USE COMPONENTS, FOR COMPLETE REPLACEMENT USE 5101001.												
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
6A	5131940	# SUPPORT	1											
6A	5137007	# SUPPORT		1								1		
6A	5134619	SUPPORT			1	1	1							
6A	5138498	SUPPORT							1					
6A	5103286	SUPPORT								1				
6A	5139006	* SUPPORT						1			1			1
6A	5138485	SUPPORT											1	
6A	5130035	@ ADAPTOR						1			1			1
6A	5109919	SPACER	2	2								2		
6A	5135008	& SPACER						2			2			2

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 651	655	658	665	668	673	675	676	677	679	682	683
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
6A	5138856	SPACER								2				
	5138876	SHIM (.005")								2				
	5138877	SHIM (.010")								2				
	5138878	SHIM (.030")								2				
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)						4			4			4
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						2			2			2
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)				4								
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)						4			4			4
6A	190770	BOLT, 1/2"-13X3 1/4" (12.9001)								2				
6A	442734	BOLT, 1/2"-13X4" (12.9001)	1	1								1		
6A	190256	BOLT, 1/2"-13X4 1/2" (12.9001)								1				
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)			1	1	1		1				1	
6A	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)	2	2	2	2	2			1		2		
6A	271574	BOLT, 5/16"-11X5" (12.9001)	2	2	2	2	2					2		
6A	8922144	BOLT, 5/8"-11X5 1/2" (12.9001)							2	2			2	
	5131978	WASHER				AR								
6B	103322	LOCKWASHER, 7/16" (12.9200)						AR			AR			AR
6A,B	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR		AR	AR		AR	AR	
		# NOT SERVICED. USE 5145024 SUPPORT AND INCLUDE 4-427564 BOLTS AND 1-5108434 BOLT.												
		* NOT SERVICED, USE 5103302, 5103303.												
		@ NOT SERVICED, USE 5103302, 5103303 AND 5103304.												
		& OBSOLETE.												
		5.4090 - BRACKET, FAN SHAFT												
6A,B	5129474	* BRACKET (FOR CUSTOMER FURNISHED HUB)			1									
6A,B	5138782	BRACKET (SUPPORT)								1				
6A,B	186725	BOLT, 1/2"-13X1 1/2" (12.9001)			4									
	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)								2				
6A,B	103343	WASHER, 1/2" FLAT (12.9190)			AR									
6A,B	103325	LOCKWASHER, 5/8" (12.9200)								AR				
6A,B	103323	LOCKWASHER, 1/2" (12.9200)			AR									
		5.4110 - BEARING, FAN SHAFT												
		(FOR CUSTOMER FURNISHED HUB)												
6A,B	908002	BEARING (OUTER) (5.4332)			1									
6A,B	907278	BEARING (INNER)			1									
		5.4140 - RETAINER, FAN SHAFT BEARING												
		(FOR CUSTOMER FURNISHED HUB)												
6A	5188194	RING, SNAP (1.350"I.D.)			1									
6A,B	274746	RING, LOCK (5.4235)			1									

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 651	655	658	665	668	673	675	676	677	679	682	683
		5.4180 - CAP AND SPACER ASSY., FAN HUB												
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180.												
6A	**5103718**	CAP AND SPACER ASSY. (SPACER	1	1						1				
6A	**5103676**	CAP AND SPACER ASSY. (SPACER				3	2			1		2		
6A	**5128729**	CAP AND SPACER ASSY. (SPACER 11/16" W.)									1			
6A	**5138192**	CAP AND SPACER ASSY.(SPACER 1.38"W.)												1
6A	**5172852**	CAP (SPACER)	1	1		1	1			1	1	1		1
6A	**5109036** *	SPACER (FAN)					1							
6A	**5108740**	SPACER (FAN)							1				1	
		* NO LONGER AVAILABLE FOR SERVICE.												
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
6A	**5132028**	BOLT, 5/16"-19X2.50"	1	1					1			1	1	
6A,B	**5124203**	BOLT, 1/2"-13X5"			1	1	1			1				
6B	**5130037**	BOLT, 1/2"-13X8 1/2"						1			1			1
6A	**103340**	WASHER, 5/16" FLAT (12.9190)	1	1					1			1	1	
6B	**103343**	WASHER, 1/2" FLAT (12.9190)						1			1			1
6B	**103323**	LOCKWASHER, 1/2" (12.9200)						1			1			1
		5.4390 - BRACE, ENGINE FRONT COVER FAN												
	5130017	BRACE, FRONT (4.32"L.)						1						1
	5130018	BRACE, FRONT (5.25"L.)						1						1
	5130030	BRACE, REAR (4.70" L.)						2						2
	5151449 *	PLUG (3/16") (1.2001)						2			2			2
	180016 *	BOLT, 1/4"-20X1/2" (12.9001)						4			4			4
	5187988	BOLT, 3/8"-16X7/8" (12.9001)						4						4
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)						4						4
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)						2						2
	5179709 *	WASHER, COPPER (2.7175)						2			4			4
	103322	LOCKWASHER, 7/16" (12.9200)						AR						AR
		* USED TO PLUG HOLES IN CYLINDER HEAD.												

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 689	690	691	693	695	696	698	700	703	704	705
		5.4010 - BLADE, FAN											
	NPN	BLADE (CUSTOMER FURNISHED)	AR			AR		AR			AR	AR	
6A	5171228	BLADE (26"-6 BLADE) (SUCTION)							1				
6A	5177871	BLADE (28"-6 BLADE) (SUCTION)								1			
	5189119	BLADE (36"-8 BLADE) (SUCTION)											1
	5126383	BLADE (40"-8 BLADE) (BLOWER)		1									
	5138069	BLADE (48"-8 BLADE) (SUCTION)			1								
	5139211	BLADE (48"-8 BLADE) (BLOWER)					1						
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)							6				
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)	6										
	106283	BOLT, 5/16"-24X2 1/4" (12.9001)											6
	446093	BOLT, 5/16"-24X2 3/8" (12.9001)								6			
	181435	BOLT, 1/2"-20X2" (12.9001)		4									
	100055	BOLT, 1/2"-20X2 1/2" (12.9001)					4						
	181443	BOLT, 1/2"-20X3 1/4" (12.9001)			4								
6A	103320	LOCKWASHER, 5/16" (12.9200)	6						6	6			6
	103323	LOCKWASHER, 1/2" (12.9200)		4	4		4						
6A	114493	NUT, 5/16"-24 HEX. (12.9120)								6			6
	103028	NUT, 1/2"-20 HEX. (12.9120)		4	4		4						
		5.4015 - PULLEY AND HUB ASSY., FAN											
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS SHOWN.											
	5129509	* PULLEY AND HUB ASSY. (PAGE B1) (5103966)								1			
	5100981	* PULLEY AND HUB ASSY. (PAGE D1) (5103344)	1						1		1		
	5129510	* PULLEY AND HUB ASSY. (PAGE B1) (5103860)		1		1							
	5129511	* PULLEY AND HUB ASSY. (PAGE B1) (5103969)					1						
	5140353	PULLEY AND HUB ASSY. (PAGE D1)			1								
	5140504	@ PULLEY AND HUB ASSY. (PAGE C1)						1					
	5140503	@ PULLEY AND HUB ASSY. (POLY VEE) (PAGE C1)										1	
		* NOT SERVICED, USE NUMBER IN PARENTHESES.											
		@ OBSOLETE.											
		5.4025 - SUPPORT, FAN MOUNTING											
6A	5137007	# SUPPORT							1				
6A	5138498	SUPPORT									1		
6A	5103286	SUPPORT				1				1			1
6A	5139006	@ SUPPORT		1	1		1						
6A	5144444	SUPPORT	1					1				1	
	5122264	SUPPORT											
6A	5130035	& ADAPTOR		1	1		1		2				
6A	5109919	SPACER											
6A	5135008	* SPACER		2	2		2						
6A	5138856	SPACER				2				2			2
6A	5100334	SPACER (1.2070)	2										
	5138876	SHIM (.005")				2				AR			2

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 689	690	691	693	695	696	698	700	703	704	705
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)											
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)				4							4
	5138877	SHIM (.010")				2				AR			2
	5138878	SHIM (.030")				2				AR			2
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		4	4		4				1		
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)											
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		2	2		2						
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)				4							4
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)		4	4		4						
6A	190770	BOLT, 1/2"-13X3 1/4" (12.9001)				2				2			2
6A	442734	BOLT, 1/2"-13X4" (12.9001)							1				
6A	190256	BOLT, 1/2"-13X4 1/2" (12.9001)				1				1			1
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)						1			1	1	
6A	189787	BOLT, 1/2"-13X5 1/4" (12.9001)	1										
6A	8922143	BOLT, 5/8"-11X2" (12.9001)				1				1			1
	271566	BOLT, 5/8"-11X3" (12.9001)	1										
6A	271574	BOLT, 5/8"-11X5" (12.9001)						2	2			2	
6A	8922144	BOLT, 5/8"-11X5 1/2" (12.9001)	2			2				2	2		2
	5131978	WASHER,				AR						AR	
6B	103322	LOCKWASHER, 7/16" (12.9200)		AR	AR		AR						
6A,B	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR		AR	AR	AR		AR
6A	103325	LOCKWASHER, 5/8" (12.9200)	AR			AR		AR	AR	AR	AR	AR	AR
		# NOT SERVICED. USE 5145024 SUPPORT AND INCLUDE 4-427564 BOLTS AND 1-5108434 BOLT.											
		* OBSOLETE.											
		@ NOT SERVICED, USE 5103302, 5103303.											
		& NOT SERVICED, USE 5103302, 5103303 AND 5103304.											
		5.4090 - BRACKET, FAN SHAFT											
6A,B	5138782	BRACKET (SUPPORT)				1				1			
	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)				2				2			
6A,B	103325	LOCKWASHER, 5/8" (12.9200)				AR				AR			
		5.4180 - CAP AND SPACER ASSY., FAN HUB											
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180.											
6A	5103718	SPACER,	1										
6A	5103676	SPACER,						1		2			1
6A	5128729	CAP AND SPACER ASSY. (SPACER 11/16" W.)					1						
6A	5138192	CAP AND SPACER ASSY.(SPACER 1.38"W.)			1								
6A	5172852	CAP (SPACER)	1		1								

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 689	690	691	693	695	696	698	700	703	704	705
		5.4290 - SCREW, FAN BRACKET ADJUSTING											
	5108434	BOLT, 5/16"-18X5"						1	1		1		
6A	5132028	BOLT, 5/16"-19X2.50"	1										
	5122282	BOLT, 1/2"-13X3 1/2"						1				1	
6A,B	5124203	BOLT, 1/2"-13X5"				1				1			1
6B	5130037	BOLT, 1/2"-13X8 1/2"		1	1		1						
6A	120393	WASHER, 5/16" FLAT (12.9190)	1						1		1		
6B	103343	WASHER, 1/2" FLAT (12.9190)		1	1		1						
6B	103323	LOCKWASHER, 1/2" (12.9200)		1	1		1						
		5.4390 - BRACE, ENGINE FRONT COVER FAN											
	5130017	BRACE, FRONT (4.32"L.)			1								
	5130018	BRACE, FRONT (5.25"L.)			1								
	5130030	BRACE, REAR (4.70"L.)			2								
	5151449	* PLUG (3/16") (1.2001)		2	2		2						
	180016	* BOLT, 1/4"-20X1/2" (12.9001)		4	4		4						
	5187988	BOLT, 3/8"-16X7/8" (12.9001)			4								
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)			4								
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)			2								
	5179709	* WASHER, COPPER (2.7175)		4	4		4						
	103322	LOCKWASHER, 7/16" (12.9200)			AR								

* USED TO PLUG HOLES IN CYLINDER HEAD.

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 707	708	711	712	718	719	735	736	737	744	745	747
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)					1				1		1	
6A	5173429	BLADE (26"-4 BLADE, SUCTION)		1										
	5177766	BLADE (26"-6 BLADE, SUCTION)												1
6A	5177871	BLADE (28"-6 BLADE, SUCTION)			1	1								
6A	5137483	BLADE (32"-8 BLADE, SUCTION)	1											
6A	5101349	BLADE (32"-8 BLADE, SUCTION)						1						
6A	5142039	BLADE (44"-8 BLADE, SUCTION)								1				
6A	5142038	BLADE (44"-8 BLADE, BLOWER)										1		
6A	5141315	BLADE (48"-8 BLADE, SUCTION)							1					
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)		6										
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)									6			
	446093	BOLT, 5/16"-24X2 3/8" (12.9001)	6		6									
	100019	BOLT, 5/16"-24X2 1/2" (12.9001)												6
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)				6		6						
	217220	BOLT, 5/16"-24X3 3/4" (12.9001)					6							
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)										6		
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)								6				
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)							6					
	103320	LOCKWASHER, 5/16" (12.9200)	6	6	6	6	6	6			6			6
	103323	LOCKWASHER, 1/2" (12.9200)							6	6		6		
	114493	NUT, 5/16"-24 HEX. (12.9120)	6		6	6	6	6						6
		5.4015 - PULLEY & HUB ASSY., FAN												
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.												
6B	5129509	@ PULLEY & HUB ASSY. (PAGE B1) (5103966)	1		1	1								1
6B	5129510	@ PULLEY & HUB ASSY. (PAGE B1) (5103860)					1	1						
6D	5100981	@ PULLEY & SPINDLE ASSY. (PAGE D1) (5103344)		1										
6D	5100983	* PULLEY & SPINDLE ASSY. (PAGE C1)									1			
6D	5141085	PULLEY & BRACKET ASSY. (POLY-VEE) (PAGE C1)							1	1		1	1	
		@ NOT SERVICED, USE NUMBER IN PARENTHESES.												
		* OBSOLETE.												
		5.4025 - SUPPORT, FAN MOUNTING												
6A	5103079	SUPPORT	1				1							
	5138498	SUPPORT		1										
6A	5108094	SUPPORT			1	1								
6A	5122264	SUPPORT						1						1
	5141082	SUPPORT							3	3		3	3	
	5101381	SUPPORT									1			
6A	5126729	SPACER			1	1	1							1
6A	5135008	@ SPACER							2	2		2	2	
	5133981	SPACER, 19/32" X 1.00 (1.1001)							4					
	5100334	SPACER									2			
	5130035	ADAPTOR, FAN SUPPORT							1	1		1	1	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 707	708	711	712	718	719	735	736	737	744	745	747
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)							3	3		3	3	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)							2	2		2	2	
	9409053	BOLT, 1/2"-13X1" (12.9001)	1		1	1	1	1						
	179891	BOLT, 1/2"-13X2 1/2" (12.9001)							4	4		4	4	
	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1	1	1	1		1						1
	100168	BOLT, 1/2"-13X5" (12.9001)					1							
	189787	BOLT, 1/2"-13X5 1/4" (12.9001)									1			
	220470	BOLT, 9/16"-12X1 3/4" (12.9001)							4					
	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)	1		1	1	1							
	271566	BOLT, 5/8"-11X3" (12.9001)									1			
	271574	BOLT, 5/8"-11X5" (12.9001)	2		2	2	2	2						2
	8922144	BOLT, 5/8"-11X5 1/2" (12.9001)		2							2			
	103343	WASHER, 1/2" FLAT (12.9190)	2											
	5131978	WASHER,	AR		AR	AR	AR	AR						
	103345	WASHER, 5/8" FLAT (12.9190)	1				1							
	103322	LOCKWASHER, 7/16" (12.9200)							AR	AR		AR	AR	
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR	AR			AR			AR
		* OBSOLETE.												
		5.4150 - SEAL, FAN SHAFT												
6D	5108219	SEAL, OIL		1							1			
6D	5141050	SEAL, OIL							1	1		1	1	
		5.4180 - CAP AND SPACER ASSY., FAN HUB												
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180.												
	5103676	SPACER	2		2	3		1						1
6D	5103718	SPACER					1							
	5103718	SPACER,						1			1			1
	5144798	CAP (SPACER) (2" DIA.)	1	1	1	1	1	1			1			
	5108740	CAP (SPACER)		1										
	5142146	CAP (SPACER) (4 1/2" DIA.)							1	1		1	1	
		5.4235 - HUB, FAN												
6A	5122251	+ PULLEY (HUB) (3 GROOVES, 28" DIA.) (5103966)	1		1	1								
6A	5100209	* PULLEY (HUB) (2 GROOVES, 7.50" DIA.)		1										
6A,B	5122483	+ PULLEY (HUB) (3 GROOVES, 12" DIA.) (5103862)					1	1						
	5141086	PULLEY (HUB) (POLY-VEE GROOVE,							1	1		1	1	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 707	708	711	712	718	719	735	736	737	744	745	747
		5.4235 - HUB, FAN (CONT'D)												
		14.50" DIA.)												
6B	**5137562**	@ PULLEY (HUB) (3 GROOVES, 7.50" DIA.)									1			
		* NOT SERVICED; USE 5103346 & 191758.												
		@ NOT SERVICED; USE 5103594.												
		+ NOT SERVICED; USE NUMBER IN PARENTHESES.												
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
6A,B	**5132028**	BOLT (5/16"-18X2 1/2")									1			
6A,B	**5108434**	BOLT (5/16"-18X5")		1										
6A,B	**5122282**	BOLT (1/2"-13X3 1/2")						1						1
6A,B	**5124203**	BOLT (1/2"-13X5")	1		1	1	1							
6A,B	**5130037**	BOLT (1/2"-13X8 1/2")							1	1		1	1	
	120393	WASHER, 5/16" FLAT (12.9190)		1							1			
	103343	WASHER, 1/2" (12.9190)							1	1		1	1	
	103323	LOCKWASHER, 1/2" (12.9200)							1	1		1	1	
		5.4390 - BRACE, ENGINE FRONT COVER FAN												
	5130017	BRACE, FRONT (4.32"L.)							1	1		1	1	
	5130030	BRACE, REAR (4.70"L.)							2	2		2	2	
	5130018	BRACE, FRONT (5.52"L.)							1	1		1	1	
	5151449	PLUG (13/16") (1.2001)								2				
	180016	BOLT, 1/4"-20X1/2" (12.9001)								4				
	5187988	BOLT, 3/8"-16X7/8" (12.9001)							4	4		4	4	
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)							4	4		4	4	
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)							2	2		2	2	
	5179709	WASHER (17/64"I.D.X1/2"O.D.X.065" THICK) (2.7175)								4				
	103322	LOCKWASHER, 7/16" (12.9200)							2	2		2	2	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7501	7553	7555	7559	7603	7603	7604	7668	7704	7744	7747
		5.4010 - BLADE, FAN											
	NPN	BLADE (CUSTOMER FURNISHED)									1		1
	5100507	BLADE (34"-8 BLADE, BLOWER)		1					1	1			
	5142040	BLADE (40"-8 BLADE, SUCTION)	1		1								
	5142041	BLADE (40"-8 BLADE, SUCTION)				1						1	
	5142037	BLADE (48"-8 BLADE, BLOWER)				1							
	5171228	FAN (26"-6 BLADE, BLOWER)					1						
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)		6						6			
	186303	BOLT, 5/16"-24X3 1/4" (12.9001)						6	6				
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)	6		6								
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)				6	6					6	
	220470	BOLT, 9/16"-12X1 3/4" (12.9001)									4	4	4
	103320	LOCKWASHER, 5/16" (12.9200)		6				6	6	6			
	103323	LOCKWASHER, 1/2" (12.9200)	6		6	6	6					6	
	114493	NUT, 5/16"-24 HEX. (12.9120)		6				6	6	6			
		5.4015 - PULLEY & HUB ASSY., FAN											
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.											
	5142149	PULLEY & BRACKET ASSY. (13.5 DIA., 11 GROOVES) (POLY-VEE)									1		
6B	5129509	÷ PULLEY & HUB ASSY. (PAGE B1) (5103966)						1					
6B	5129510	÷ PULLEY & HUB ASSY. (PAGE B1) (5103860)		1					1	1			
7	5141085	PULLEY & BRACKET ASSY. (POLY-VEE) (PAGE C1)	1			1							
	5142150	PULLEY & BRACKET ASSY. (POLY-VEE) (PAGE C1)			1		1					1	1
		– NOT SERVICED USE NUMBER SHOWN IN PARENTHESES.											
		5.4025 - SUPPORT, FAN MOUNTING											
6A	5103079	SUPPORT		1					1	1			
6A	5122264	SUPPORT						1					
	5141082	SUPPORT	1		1	1	1				1	1	1
6A	5135008	* SPACER	2		2	2	2				2	2	2
	5133981	SPACER, 19/32" X 1" (1.1001)				6					4	4	4
	5130035	@ ADAPTOR, FAN SUPPORT	1		1	1	1				1	1	1
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)	3		3	3	3				3	3	3
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	2		2	2	2				2	2	2
	9409053	BOLT, 1/2"-13X1" (12.9001)		1				1					
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)	4		4	4	4				4	4	4
	187201	BOLT, 1/2"-13X4 3/4" (12.9001)		1				1	1	1			
	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)		1					1	1			
	271574	BOLT, 5/8"-11X5" (12.9001)		2				2	2	2			
	5131978	WASHER, .53 I.D. X 1.00" O.D. X .177 (1.5001)		AR				AR					

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 750	753	755	759	760	763	764	768	770	774	777
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)											
	103322	LOCKWASHER, 7/16" (12.9200)	AR		AR	AR	AR				AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103325	LOCKWASHER, 5/8" (12.9200)		AR				AR	AR	AR			
		* OBSOLETE.											
		@ NOT SERVICED, USE 5103302, 5103303 AND 5103304.											
		5.4150 - SEAL, FAN SHAFT											
6D	5141050	SEAL, OIL			1		1						
		5.4180 - CAP AND SPACER ASSY., FAN HUB											
		A CAP AND SPACER ASSY. INCLUDES SPACER WHICH IS NOT SOLD SEPARATELY AND SPACER CAP IN 5.4180.											
	5103676	SPACER,						2	2	2			
	5103718	SPACER,		1				1	1				
	5142146	CAP (SPACER) (4 1/2" DIA.)			1		1						
	5142148	CAP (SPACER) (.76" DIA.)				1	1			1		1	
	5144798	CAP (SPACER) (2" DIA.)							1		1		1
	5142147	SPACER (1.84"W.)											
		5.4235 - HUB, FAN											
	5142067	PULLEY (HUB) (POLY-VEE GROOVE, 11" DIA.)			1		1						
		5.4290 - SCREW, FAN BRACKET ADJUSTING											
6A,B	5122282	BOLT (1/2"-13X3 1/2")						1					
6A,B	5124203	BOLT (1/2"-13X5")		1					1	1			
6A,B	5130037	BOLT (1/2"-13X8 1/2")	1		1	1	1				1	1	1
	103343	WASHER, 1/2" (12.9190)	1		1	1	1				1	1	1
	103323	LOCKWASHER, 1/2" (12.9200)	1		1	1	1				1	1	1
		5.4390 - BRACE, ENGINE FRONT COVER FAN											
	5130017	BRACE, FRONT (4.32"L.)	1		1		1						
	5130030	BRACE, REAR (4.70"L.)	2		2		2						
	5130018	BRACE, FRONT (5.52"L.)	1		1		1						
	5151449	PLUG (13/16") (1.2001)	2		2		2						
	180016	BOLT, 1/4"-20X1/2" (12.9001)	4		4		4						
	5187988	BOLT, 3/8"-16X7/8" (12.9001)	4		4		4						
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)	4		4		4						

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 750	753	755	759	760	763	764	768	770	774	777
	5.4390	**BRACE, ENGINE FRONT COVER FAN (CONT'D)**											
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)	2		2		2						
	5179709	WASHER (17/64"I.D.X1/2"O.D.X.065" THICK) (2.7175)	4		4		4						
	103322	LOCKWASHER, 7/16" (12.9200)	2		2		2						

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 778	779	780	781	783	788	790	791	793	794	795	799
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)				AR						AR	AR	
6A	5119012	BLADE (22"-5 BLADE, SUCTION)	1											
6A	5124701	BLADE (24"-6 BLADE, SUCTION)		1										
6A	5177871	BLADE (28"-6 BLADE, BLOWER)							1	1				
6A	5189119	BLADE (36"-8 BLADE, SUCTION)									1			
6A	5142040	BLADE (40"-8 BLADE, BLOWER)			1									
6A	5142039	BLADE (44"-8 BLADE, SUCTION)					1							
6A	5143790	BLADE (44"-8 BLADE, BLOWER)						1						
6A	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	4	4										
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)							6					
	179826	BOLT, 5/16"-18X2" (12.9001)								6				
6A	181351	BOLT, 5/16"-24X3" (12.9001)									6			
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)			6									
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)					6							
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)						4						
	220470	BOLT, 9/16"-12X1 3/4" (12.9001)			4		4							
6A	103320	LOCKWASHER, 5/16" (12.9200)	4	4					6	6	6			
6A	103323	LOCKWASHER, 1/2" (12.9200)			6		6	4						
	5133981	WASHER, SPECIAL			4		4							
6A	114493	NUT, 5/16"-24 HEX. (12.9120)									6			
6A	103028	NUT, 1/2"-20 HEX. (12.9120)						4						
		5.4015 - PULLEY & HUB ASSY., FAN												
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS SHOWN.												
6B	5129509	+ PULLEY & HUB ASSY. (PAGE B1) (5103966)	1	1										
6B	5129510	+ PULLEY & HUB ASSY. (PAGE B1) (5103860)						1			1			
	5140503	@ PULLEY & HUB ASSY. (PAGE D1)										1		
	5100100	+ PULLEY & HUB ASSY. (PAGE B1) (5103384)											1	
	5142150	PULLEY & BRACKET ASSY. (PAGE D1)			1									
6D	5141085	PULLEY & BRACKET ASSY. (POLY-VEE) (PAGE D1)					1							
6D	5100981	+ PULLEY & SPINDLE ASSY. (PAGE D1) (5103344)							1					
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.												
		@ OBSOLETE.												
		5.4025 - SUPPORT, FAN MOUNTING												
6A	5144444	SUPPORT							1					
6A	5122264	SUPPORT	1					1			1			
6A	5103079	SUPPORT		1						1		1		
	5141082	SUPPORT			1		1							
6A	5139006	# SUPPORT				1								1
6A	5138784	SUPPORT											1	
6A	5130035	ADAPTOR, FAN SUPPORT			3	3	3							3
6A	5135008	@ SPACER			2	2	2							2
6A	5126729	SPACER						1						

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 778	779	780	781	783	788	790	791	793	794	795	799
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
6A	5100034	SPACER							1					
6A	5138856	SPACER											1	
	5138876	SHIM (.005")											AR	
	5138877	SHIM (.010")											AR	
	5138878	SHIM (.030")											AR	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)								2				
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)			3	3	3							3
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)			2	2	2							2
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)								2				
	179891	BOLT, 1/2"-13X2 1/2" (12.9001)			4	4	4							4
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)		4										
6A	190770	BOLT, 1/2"-13X3 1/4" (12.9001)											2	
6A	190256	BOLT, 1/2"-13X4 1/2" (12.9001)											1	
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1					1			1	1		
	187152	BOLT, 1/2"-13X5" (12.9001)		1										
	189787	BOLT, 1/2"-13X5 1/4" (12.9001)							1					
6A	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)		1							1		2	
	271566	BOLT, 5/8"-11X3" (12.9001)							1					
6A	271574	BOLT, 5/8"-11X5" (12.9001)	2	2				2			2	2		
6A	8922144	BOLT, 5/8"-11X5 1/2" (12.9001)							2				2	
	5131978	WASHER, (.53X1" SPL.)(1.5001)		AR										
6B	103322	LOCKWASHER, 7/16" (12.9200)			AR	AR	AR			AR				AR
6A,B	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR		AR		AR	AR
6A	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR				AR	AR		AR	AR	AR	
		@ OBSOLETE.												
		# NOT SERVICED, USE 5103302, 5103303.												
		& NOT SERVICED, USE 5103302, 5103303 AND 5103304.												
		5.4090 - BRACKET, FAN SHAFT												
6A,B	5138782	BRACKET (SUPPORT)											1	
	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)											2	
6A,B	103325	LOCKWASHER, 5/8" (12.9200)											2	
		5.4180 - CAP & SPACER ASSY., FAN HUB												
		INCLUDES CAP IN 5.4180.												
6A	5103718	CAP & SPACER ASSY. (SPACER							1		1			
6A	5103676	CAP & SPACER ASSY. (SPACER								1	1			
	5142148	CAP (SPACER) (.75" DIA.)					1							
6A	5172852	CAP (SPACER)							1		1			
6A	5126330	SPACER (4.64"L.)	1	1										
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)	6	6										
	103320	LOCKWASHER, 5/16" (12.9200)	6	6										
	122193	NUT, 5/16"-24 HEX. (12.9120)	6	6										

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 778	779	780	781	783	788	790	791	793	794	795	799
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
6A,B	**5132028**	BOLT, 5/16"-18X2 1/2"							1					
6A,B	**5122282**	BOLT, 1/2"-13X3 1/2"	1					1				1		
6A,B	**5124203**	BOLT, 1/2"-13X5"		1							1			
6B	**5130037**	BOLT, 1/2"-13X8 1/2"			1	1	1			1				1
	103343	WASHER, 1/2" FLAT (12.9190)			1	1	1			1				1
	120393	WASHER, 5/16" FLAT (12.9190)							1					
	103323	LOCKWASHER, 1/2" (12.9200)			1	1	1			1				1
		5.4390 - BRACE, ENGINE FRONT COVER FAN												
	5130017	BRACE, FRONT (4.32"L.)												1
	5130030	BRACE, REAR (4.70"L.)												2
	5130018	BRACE, FRONT (5.52" L.)												1
	5151449	PLUG, 13/16" (1.2001)			2	2								
	180016	BOLT, 1/4"-20X1/2" (12.9001)			4	4								
	5187988	BOLT, 3/8"-16X7/8" (12.9001)												4
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)												4
	103322	LOCKWASHER, 7/16" (12.9200)												2

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8003	8015	8266	8300	8332	8334	8339	8400	8422	8500	8966
		5.4010 - BLADE, FAN											
	NPN	BLADE (CUSTOMER FURNISHED)	AR										
6A	5122912	BLADE (34"-8 BLADE, SUCTION)				1							
6A	5122913	BLADE (34"-8 BLADE, BLOWER)								1			
6A	5131625	BLADE (36"-6 BLADE, SUCTION)									1		
6A	5189119	BLADE (36"-8 BLADE, SUCTION)		1									
6A	5162666	BLADE (36"-8 BLADE, BLOWER)										1	
6A	454151	BOLT, 5/16"-24X1 1/2" (12.9001)		6						6			
	454879	BOLT, 5/16"-24X2 1/4" (12.9001)										6	
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)									6		
6A	181351	BOLT, 5/16"-24X3" (12.9001)				6							
	220470	BOLT, 9/16"-12X1 3/4" (12.9001)							4				
6A	103320	LOCKWASHER, 5/16" (12.9200)		6		6				6	6	6	
	5133981	WASHER, SPECIAL							4				
6A	114493	NUT, 5/16"-24 HEX. (12.9120)		6		6				6	6	6	
		5.4015 - PULLEY & HUB ASSY., FAN											
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS SHOWN.											
6B	5129509	+ PULLEY & HUB ASSY. (PAGE B1) (5103966)								1			
6B	5129510	+ PULLEY & HUB ASSY. (PAGE B1) (5103860)	1			1					1	1	
	5100100	+ PULLEY & HUB ASSY. (PAGE B1) (5103884)											1
6B	5129511	+ PULLEY & HUB ASSY. (PAGE B1) (5103969)		1									
6B	5142149	PULLEY & HUB ASSY. (PAGE D1)					1						
6D	5141085	PULLEY & BRACKET ASSY. (POLY-VEE) (PAGE D1)							1				
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.											
		5.4025 - SUPPORT, FAN MOUNTING											
6A	5122264	SUPPORT	1	1	1								
6A	5103079	SUPPORT								1	1		
	5141082	SUPPORT					1						
6A	5138784	SUPPORT				1						1	
6A	5127154	SUPPORT						1					
6A	5144868	SUPPORT							1				
6A	5130035	@ ADAPTOR, FAN SUPPORT					1						
6A	5135008	# SPACER					2						
6A	5138856	SPACER				1			2			2	
	5131978	SPACER										2	
	5138876	SHIM (.005")				AR			AR			AR	
	5138877	SHIM (.010")				AR			AR			AR	
	5138878	SHIM (.030")				AR			AR			AR	
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)					3						
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)					2						
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)						2		2	2	2	
	179891	BOLT, 1/2"-13X2 1/2" (12.9001)					4						

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 803	815	826	830	832	834	839	840	842	850	896
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)											
6A	190770	BOLT, 1/2"-13X3 1/4" (12.9001)				2						2	
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)							2				
6A	190256	BOLT, 1/2"-13X4 1/2" (12.9001)				1						1	
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1	1	1					1	1		
	215122	BOLT, 1/2"-13X5 1/4" (12.9001)							1				
6A	271562	BOLT, 5/8"-11X2" (12.9001)				2				1	1		
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)						1					
6A	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)								1	1		
	271566	BOLT, 5/8"-11X3" (12.9001)							1				
6A	271574	BOLT, 5/8"-11X5" (12.9001)	2	2	2			2		2	2		
6A	8922144	BOLT, 5/8"-11X5 1/2" (12.9001)				2						2	
6A	272553	BOLT, 5/8"-11X6 3/4" (12.9001)							2				
	103345	WASHER, 5/8" FLAT (12.9190)								1			
	5131978	WASHER, (.53X1" SPL)(1.5001)									AR		
6B	103322	LOCKWASHER, 7/16" (12.9200)					AR		AR				
6A,B	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
6A	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	
		@ NOT SERVICED, USE 5103302, 5103303 AND 5103304.											
		# OBSOLETE.											
		5.4090 - BRACKET, FAN SHAFT											
6A,B	5138782	BRACKET (SUPPORT)				1			1			1	
	5131978	SPACER, 1"X17/32"X1/4" (1.5001)						2		2	2		
	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)				2			2			2	
6A,B	103325	LOCKWASHER, 5/8" (12.9200)				2			2			2	
		5.4180 - CAP & SPACER ASSY., FAN HUB											
		INCLUDES CAP IN 5.4180.											
6A	5103718	SPACER (.80"W.)	1			1					1	1	
6A	5103676	SPACER (.50"W.)				1						1	
6A	5172852	CAP (SPACER)	1			1					1		
6A	5141289	SPACER (1")					1						
		5.4290 - SCREW, FAN BRACKET ADJUSTING											
6A,B	5122282	BOLT, 1/2"-13X3 1/2"	1	1				1			1		
6A,B	5124203	BOLT, 1/2"-13X5"				1				1	1	1	
6B	5130037	BOLT, 1/2"-13X8 1/2"					1						
	103343	WASHER, 1/2" FLAT (12.9190)					1						
	103323	LOCKWASHER, 1/2" (12.9200)					1					1	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 900	904	907	908	916	922	925	932	954	959	967	968
		5.4010 - BLADE, FAN												
6A	5128508	BLADE (24"-6 BLADE, SUCTION)						1		1				
6A	5175738	BLADE (28"-6 BLADE, BLOWER)									1			
	5172003	BLADE (26"-6 BLADE, BLOWER)			1									
6A	5109396	BLADE (32"-8 BLADE, BLOWER)		1										
6A	9178064	BLADE (32"-8 BLADE, SUCTION)												1
6A	5100507	BLADE (34"-8 BLADE, BLOWER)	1											
6A	5124147	BLADE (40"-8 BLADE, SUCTION)					1		1					
6A	5141315	BLADE (48"-8 BLADE, R.H. SUCTION - L.H. BLOWER)				1								
	5103718	SPACER (.80)								1	1			
	5103676	SPACER (.50)									2			
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)						6						
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)												6
	186303	BOLT, 5/16"-24X3 1/4" (12.9001)									6			
	217220	BOLT, 5/16"-24X3 3/4" (12.9001)	6	6						6				
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)				6								
	442734	BOLT, 1/2"-13X4" (12.9001)							4					
	186692	BOLT, 1/2"-20X2 3/4" (12.9001)					4							
	220470	BOLT, 9/16"-12X1 3/4" (12.9001)				4								
	5133981	WASHER, SPECIAL (1.1001)				4								
	103320	LOCKWASHER, 5/16" (12.9200)	6	6				6	6	6	6			6
	103323	LOCKWASHER, 1/2" (12.9200)				6	4		4					
	121917	NUT, 5/16"-24 (12.9120)	6								6			6
	122193	NUT, 5/16"-24 JAM (12.9120)								6				
	117051	NUT, 1/2"-20 HEX. (12.9120)					4							
	117064	NUT, 1/2"-13 HEX. (12.9120)							4					
		5.4015 - PULLEY AND HUB ASSY., FAN												
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS SHOWN.												
	NPN	CUSTOMER FURNISHED			1									
6B	5129509	+ PULLEY AND HUB ASSY. (PAGE B1) (5103966)	1	1						1	1			1
6B	5129510	+ PULLEY AND HUB ASSY. (PAGE B1) (5103860)					1		1			1		
6B	5132188	* PULLEY AND HUB ASSY. (PAGE B1)						1						
6B	5129511	+ PULLEY AND HUB ASSY. (PAGE B1) (5103969)											1	
6B	5142149	PULLEY AND BRACKET ASSY. (13.4" DIA., 1 GROOVES) (POLY-VEE) (PAGEC1)				1								
		* NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5101001.												
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
6A	5103079	SUPPORT	1	1					1	1				
6A	5122264	SUPPORT			1						1	1	1	1
	5141082	SUPPORT				1								

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 900	904	907	908	916	922	925	932	954	959	967	968
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
6D	5103286	SUPPORT				3	1							
6A	5145024	SUPPORT						1						
6A	5130035	ADAPTOR, FAN SUPPORT				1								
	5131978	SPACER	4	4			4		4	4	4	4	4	4
6A	5135008	# SPACER				2								
6C	5138856	SPACER					2							
	5126729	SPACER							1					
	5138876	SHIM (.005")					2							
	5138877	SHIM (.010")					2							
	5138878	SHIM (.030")					2							
	5108434	BOLT, 5/16"-18X5" (5.4290)						1						
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)				3								
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)						4						
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)				4								
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)	4	4			4		4	4	4	4	4	4
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)			4									
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)				4								
	190770	BOLT, 1/2"-13X3 1/4" (12.9001)					2							
	5122282	BOLT, 1/2"-13X3 1/2" (5.4290)			1						1	1	1	1
	442734	BOLT, 1/2"-13X4" (12.9001)						1						
	190256	BOLT, 1/2"-13X4 1/2" (12.9001)					1				4	4	4	4
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1	1	1						1	1	1	1
	187152	BOLT, 1/2"-13X5" (12.9001)							1	1				
	5124203	BOLT, 1/2"-13X5" (5.4290)							1	1				
6A	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)	1	1			1		1	1				
6A	271574	BOLT, 5/8"-11X5" (12.9001)	2	2	2			2	2	2	2	2	2	2
	8922144	BOLT, 5/8"-11X5 1/2" (12.9001)					2							
	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)						4						
	120393	WASHER, 5/16" (12.9190)						1						
	103345	WASHER, 5/8" FLAT (12.9190)	1	1					2					
	5131978	WASHER,									4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)				6		4						
	103323	LOCKWASHER, 1/2" (12.9200)	3	3	6		5	1	4	4	4	4	4	4
	103325	LOCKWASHER, 5/8" (12.9200)	3	3	2		3	2	3	3	2	2	2	2
		@ NOT SERVICED, USE 5103302, 5103303 AND 5103304.												
		@ OBSOLETE.												
		5.4090 - BRACKET, FAN SHAFT												
6A,B	5129474	BRACKET (FOR CUSTOMER FURNISHED HUB)			1									
6A,B	5138782	BRACKET (SUPPORT)					1							
	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)					2							
	103325	LOCKWASHER, 5/8" (12.9200)					2							
		5.4100 - SHAFT, FAN (FOR CUSTOMER FURNISHED BRACKET)												
6A,B	103385	PIN, 1/8"X1 1/4" COTTER (12.9250)			1									
6A,B	122797	NUT, 5/8"-18 HEX. (12.9120)			1									

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9000	9004	9007	9008	9016	9022	9025	9032	9054	9059	9067	9068
		5.4110 - BEARING, FAN SHAFT (FOR CUSTOMER FURNISHED HUB)												
6A,B	908208	BEARING (OUTER) (N.D. XB-21770) (5.4332)			1									
6A,B	907278	BEARING (INNER) (N.D. Z97509LR1B)			1									
		5.4140 - RETAINER, FAN SHAFT BEARING (FOR CUST. FURNISHED HUB)												
6A	5188194	RING, SNAP (1.350"I.D.)			1									
6A,B	274746	RING, LOCK (5.4235)			1									
		5.4180 - CAP AND SPACER ASSY., FAN HUB												
		INCLUDES CAP IN 5.4180.												
6A	5128729	CAP AND SPACER ASSY. (SPACER					1		3				2	
6A,B	5144798	CAP, FAN HUB			1									
	5103676	SPACER (.50"W.)	1	1								2		2
6A	5103718	SPACER (.80"W.)	1	1								1		
6A	5141289	SPACER (1")				1								
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
6A	5124203	BOLT, 1/2"-13X5"	1	1			1							
6B	5130037	BOLT, 1/2"-13X8 1/2"				1								
	103343	WASHER, 1/2" FLAT (12.9190)				1								
	103323	LOCKWASHER, 1/2" (12.9200)				1	1							

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 972	973	974	976	983	1001	1009	1021	1033	1058	1062
		5.4010 - BLADE, FAN											
	5171229	BLADE (26"-6 BLADE, BLOWER)							1				
	5177871	BLADE (28"-6 BLADE, SUCTION)											1
6A	5109396	BLADE (32"-8 BLADE, BLOWER)					1						
6A	5137483	BLADE (32"-8 BLADE, SUCTION)		1									6
6A	5100507	BLADE (34"-8 BLADE, BLOWER)								1			
	5100506	BLADE (34"-8 BLADE, SUCTION)			1								
6A	5189119	BLADE (36"-8 BLADE, SUCTION)	1					1					
	5124147	BLADE (40"-8 BLADE, SUCTION)									1	1	
	5103718	SPACER (.80)					1	1	3	1			
	5103676	SPACER (.50)					1			2			
	181350	BOLT, 5/16"-18X2 3/4" (12.9001)			6								
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	6										
	454879	BOLT, 5/16"-24X2 1/4" (12.9001)					6	6					
	446093	BOLT, 5/16"-24X2 3/8" (12.9001)		6									
	181351	BOLT, 5/16"-24X3" (12.9001)							6				
	271220	BOLT, 5/16"-24X3 3/4" (12.9001)							6				
	186303	BOLT, 5/16"-24X3 1/4" (12.9001)								6			
	455017	BOLT, 1/2"-20X2 1/2" (12.9001)										4	
	9412020	BOLT, 1/2"-20X3" (1.4001)									4		
	103320	LOCKWASHER, 5/16" (12.9200)	6	6			6	6	6	6			
	103323	LOCKWASHER, 1/2" (12.9200)										4	
	114493	NUT, 5/16"-24 (12.9120)		6	6		6	6	6	6			6
	117051	NUT, 1/2"-20 HEX. (12.9120)									4		
	103028	NUT, 1/2"-20 (12.9120)										4	
		5.4015 - PULLEY AND HUB ASSY., FAN											
		FOR COMPONENTS SEE ASSEMBLY BREAKDOWN PAGES AS SHOWN.											
6B	5129509	+ PULLEY AND HUB ASSY. (PAGE B1) (5103966)		1				1	1				
6B	5129510	+ PULLEY AND HUB ASSY. (PAGE B1) (5103860)	1				1			1			
6B	5138020	+ PULLEY AND HUB ASSY. (PAGE C1) (5103968)				1							
	5140353	PULLEY AND HUB ASSY. (PAGE C1)										1	
	5100100	+ PULLEY AND HUB ASSY. (PAGE B1) (5103884)									1		
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.											
		5.4025 - SUPPORT, FAN MOUNTING											
6A	5103079	SUPPORT						1		1		1	1
6A	5122264	SUPPORT	1	1	1	1			1				
6D	5133286	SPACER					1				1		
6C	5138856	SPACER					2				2		
	5126729	SPACER						1				1	
	5138876	SHIM (.005")					2				2		
	5138877	SHIM (.010")					2				2		
	5138878	SHIM (.030")					2				2		
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)	4	4	4	4	4	4		4	4	4	4

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9722	9733	9744	9763	9833	10001	10009	10211	10333	10558	10622
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)											
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)							4				
	190770	BOLT, 1/2"-13X3 1/4" (12.9001)	4	4	2	4	4	4		4	4	4	4
	5122282	BOLT, 1/2"-13X3 1/2" (5.4290)	1	1	1	1			1				
	190256	BOLT, 1/2"-13X4 1/2" (12.9001)					1				1		
6A	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1	1		1		1	1	1		1	1
	181752	BOLT, 1/2"-13X5" (12.9001)										1	
	5124203	BOLT, 1/2"-13X5" (5.4290)					1	1		1			
6A	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)					1			1	1	1	1
6A	271574	BOLT, 5/8"-11X5" (12.9001)	2	2		2		2	2	2			
	8922144	BOLT, 5/8"-11X5 1/2" (12.9001)					2				2		
	103343	WASHER, 1/2" FLAT (12.9190)							2				
	5131978	WASHER	4	4	2	4	4	4		4	4	4	4
	103345	WASHER, 5/8" FLAT (12.9190)										2	
	103323	LOCKWASHER, 1/2" (12.9200)	4	4	1	4	6	4	6	4	4	1	1
	103325	LOCKWASHER, 5/8" (12.9200)	2	2		2	3	2	2	3	3		
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.											
		5.4090 - BRACKET, FAN SHAFT											
6A,B	5138782	BRACKET (SUPPORT)					1				1		
	271561	BOLT, 5/8"-11X1 7/8" (12.9001)					2	2			2		
	103325	LOCKWASHER, 5/8" (12.9200)					2	2			2		
		5.4180 - CAP AND SPACER ASSY., FAN HUB											
		INCLUDES CAP IN 5.4180.											
	5133492	CAP AND SPACER ASSY. (SPACER									1		
	5128729	CAP AND SPACER ASSY. (SPACER 11/16")										1	
	5144798	CAP, FAN HUB									1	1	
	5103676	SPACER (.56" W.)		2	2								
	5103718	SPACER (.80"W.)	3										1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12291	12301	12311	12321	12331	12341	12351	12421	12431	12441	12451	12461	12471
		5.4010 - BLADE, FAN													
	NPN	BLADE (CUSTOMER FURNISHED)												1	
	5142040	BLADE (40 -8 BLADE)	1		1										
	5142041	BLADE (40 -8 BLADE)		1			1								
	5142039	BLADE (44 -8 BLADE)				1		1							
	5142038	BLADE (44 -8 BLADE)							1						
	5175738	BLADE (28 -6 BLADE)								1					
	5171228	BLADE (26 -6 BLADE)									1				
	5177871	BLADE (28 -6 BLADE)										1			1
	5128508	BLADE (24 -6 BLADE)											1		
	186624	BOLT, 5/16-18 X 1 1/4 (12.9001)								6					
	179827	BOLT, 5/16-18 X 2 1/4 (12.9001)									6	6	6		
	179828	BOLT, 5/16 -18X2 1/2" (12.9001)													6
	186646	BOLT, 1/2 -13X1 3/4 (12.9001)	6												
	454992	BOLT, 1/2 -13X2 1/2 (12.9001)		6	6	6	6	6	6						
	103320	LOCKWASHER, 5/16 (12.9200)								6	6	6	6		6
	103323	LOCKWASHER, 1/2 (12.9200)	6	6	6	6	6	6	6						
		5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN AS INDICATED.													
	5104352	PULLEY & HUB ASSY. (PAGE D1)	1	1	1	1	1								
	5103568	PULLEY & HUB ASSY. (PAGE D1)						1	1						
	5103966	PULLEY & HUB ASSY. (PAGE D1)								1	1	1	1	1	1
		5.4025 - SUPPORT, FAN MOUNTING													
	5103079	SUPPORT	1	1	1	1									
	5103286	SUPPORT					1								
	5122264	SUPPORT						1					1		1
	5126729	SPACER	1	1		1		1							1
	5138856	SPACER, 11/16					2								
	5138876	SHIM (.005)					2								
	5138877	SHIM (.010)					2								
	5138878	SHIM (.030)					2								
	187152	BOLT, 1/2 -13X5 (12.9001)	1	1	1	1									
	8922144	BOLT, 5/8 -11X5 1/2 (12.9001)					2								
	187201	BOLT, 1/2 -13X4 3/4 (12.9001)						1	1	1	1	1	1	1	1
	271574	BOLT, 5/8 -11X5 (12.9001)	2	2	2	2		2	2	2	2	2	2	2	2
	9409053	BOLT, 1/2 -13X1 1/2 (12.9001)	2	2	2	2		2	2	4	4	4	4	4	4
	8922143	BOLT, 5/8 -11X2 1/4 (12.9001)	1	1	1	1	1		1	1	1	1		1	
	5124203	BOLT, 1/2 -13X5 (12.9001)	1	1	1	1	1		1	1	1	1		1	
	190256	BOLT, 1/2 -13X4 1/2 (12.9001)					1								
	5122282	BOLT, 1/2 -13X3 1/2 (12.9001)						1					1	1	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12291	12301	12311	12321	12331	12341	12351	12421	12431	12441	12451	12461	12471
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)													
	103323	LOCKWASHER, 1/2 (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1	
	103325	LOCKWASHER, 5/8 (12.9200)	3	3	3	3	3	2	3	3	3	3	2	2	2
	103345	WASHER, 5/8 (12.9190)	2	2	2	2								1	
	5131978	WASHER,	2	2	2	2	2	2	2	4	4	4	4	4	4
		5.4090 - BRACKET, FAN SHAFT													
	5138782	BRACKET (SUPPORT)					1								
	8922143	BOLT, 5/8-11X2.25 (12.9001)					2								
	190770	BOLT, 1/2 -13X3 1/4 (12.9001)					2								
	9409053	BOLT, 1/2 -13X1 1/2 (12.9001)					2								
	103323	LOCKWASHER, 1/2 (12.9200)					2								
	103325	LOCKWASHER, 5/8 (12.9200)					2								
		5.4180 - CAP AND SPACER, FAN HUB													
	5141289	SPACER, 1.00 THICK		1	1	1	1	1	1		2	2	2	2	1
	5103676	SPACER,													1
	5103718	SPACER,													

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12491	12511	12522	12533	12544	12555	12566	12611	12633	12655	12666	12688	12699
		5.4010 - BLADE, FAN													
	NPN	BLADE (CUSTOMER FURNISHED)		1		1			1						
	5175738	BLADE (28 -6 BLADE)	1				1								1
	5177766	BLADE (26 -6 BLADE)			1									1	
	5171229	BLADE (26 -6 BLADE)						1							
	5137483	BLADE (32 -8 BLADE)								1					
	5124701	BLADE (24 -6 BLADE)									1				
	5109396	BLADE (32 -8 BLADE)										1			
	5100507	BLADE (34 -8 BLADE)											1		
	186505	BOLT, 5/16 -24X1 1/4 (12.9001)	6								6				
	446093	BOLT, 5/16 -24X2 3/8 (12.9001)			6					6					
	181351	BOLT, 5/16 -24X3 (12.9001)												6	
	181350	BOLT, 5/16 -24X2 3/4 (12.9001)					6		6						
	217220	BOLT, 5/16 -24X3 3/4 (12.9001)						6				6	6		
	179819	BOLT, 5/16 -18X1 1/8 (12.9001)									4				
	186303	BOLT, 5/16 -24X3 1/4 (12.9001)													6
	103320	LOCKWASHER, 5/16 (12.9200)	6		6		6	6	6	6	10	6	6	6	6
	114493	NUT, 5/16 (2.7170)	6		6		6	6	6	6	6	6	6	6	6
		5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN AS INDICATED.													
	5103966	PULLEY & HUB ASSY. (PAGE D1)	1	1	1	1	1	1	1	1	1	1	1	1	1
		5.4025 - SUPPORT, FAN MOUNTING													
	5103079	SUPPORT						1	1	1	1	1	1	1	
	5122264	SUPPORT	1	1	1	1	1								1
	5126729	SPACER	1				1								
	187152	BOLT, 1/2 -13X5 (12.9001)	1	1	1	1					1				
	187201	BOLT, 1/2 -13X4 3/4 (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1
	271574	BOLT, 5/8 -11X5 (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2	2
	9409053	BOLT, 1/2 -13X1 1/2 (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4	4
	8922143	BOLT, 5/8 -11X2 1/4 (12.9001)						1	1	1	1	1	1	1	
	5124203	BOLT, 1/2 -13X5 (12.9001)						1	1	1	1	1	1	1	
	5122282	BOLT, 1/2 -13X3 1/2 (12.9001)	1	1	1	1	1								1
	103323	LOCKWASHER, 1/2 (12.9200)	1	1	1	1	1	1	1	1	1	1	1		
	103325	LOCKWASHER, 5/8 (12.9200)	2	2	2	2	2	3	3	2	3	2	2	2	2
	103345	WASHER, 5/8 (12.9190)								1		1	1		
	5131978	WASHER,	4	4	4	4	4	4	4	4	4	4	4	4	4
		5.4180 - CAP AND SPACER, FAN HUB													
	5103676	SPACER,			2		1			2				1	
	5103718	SPACER,			1		1		3			3	3	1	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12701	12711	12712	12713	12715	12716	12717	12718	12719	12801	12811	12822	12844
		5.4010 - BLADE, FAN													
	NPN	BLADE (CUSTOMER FURNISHED)										1		1	1
	5101349	BLADE (32 -8 BLADE)	1								1				
	5137483	BLADE (32 -8 BLADE)		1											
	5171229	BLADE (26 -6 BLADE)			1										
	5189119	BLADE (36 -8 BLADE)				1									
	5100506	BLADE (34 -8 BLADE)					1								
	5162666	BLADE (36 -8 BLADE)						1							
	5100507	BLADE (34 -8 BLADE)							1						
	5189119	BLADE (36 -8 BLADE)								1					
	5131625	BLADE (36 -6 BLADE)											1		
	454879	BOLT, 5/16 -24X2 1/4 (12.9001)				6		6		6					
	446093	BOLT, 5/16 -24X2 3/8 (12.9001)									6				
	454151	BOLT, 5/16 -24X1 1/2 (12.9001)							6						
	181350	BOLT, 5/16 -24X2 3/4 (12.9001)	6	6			6								
	217220	BOLT, 5/16 -24X3 3/4 (12.9001)			6								6		
	455017	BOLT, 1/2 -20X2 1/2 (12.9001)													4
	186303	BOLT, 5/16 -24X3 3/4 (12.9001)									6				
	181351	BOLT, 5/16 -24X3 (12.9001)												6	
	103320	LOCKWASHER, 5/16 (12.9200)	6	6	6	6	6	6	6	6	6		6	6	
	103323	LOCKWASHER, 1/2 (12.9200)													4
	103028	NUT, 1/2 , (12.9125)													4
	114493	NUT, 5/16 (2.7170)	6	6	6	6	6	6	6	6	6		6	6	
		5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN AS INDICATED.													
	5103860	PULLEY & HUB ASSY. (PAGE D1)					1	1	1	1	1	1	1	1	1
	5103966	PULLEY & HUB ASSY. (PAGE D1)	1	1	1	1									
		5.4025 - SUPPORT, FAN MOUNTING													
	5103079	SUPPORT				1	1	1	1	1	1			1	1
	5122264	SUPPORT	1	1	1							1	1		
	5126729	SPACER				1		1		1				1	1
	187152	BOLT, 1/2 -13X5 (12.9001)													1
	187201	BOLT, 1/2 -13X4 3/4 (12.9001)	1	1	1	1	1	1	1	1			1	1	
	271574	BOLT, 5/8 -11X5 (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2	2
	9409053	BOLT, 1/2 -13X1 1/2 (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4	4
	8922143	BOLT, 5/8 -11X2 1/4 (12.9001)				1	1	1	1	1	1			1	1
	5124203	BOLT, 1/2 -13X5 (12.9001)				1	1	1	1	1	1			1	1
	5122282	BOLT, 1/2 -13X3 1/2 (12.9001)	1	1	1							1	1		
	103323	LOCKWASHER, 1/2 (12.9200)	1	1	1	1	1	1	1	1	1		1	1	1
	103325	LOCKWASHER, 5/8 (12.9200)	2	2	2	3	3	3	3	3	3	2	2	3	3
	103345	WASHER, 5/8 (12.9190)						2							2
	5131978	WASHER,	4	4	4	4	4	4	4	4	4	4	4	4	4

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12701	12711	12722	12733	12755	12766	12777	12788	12799	12800	12811	12822	12844
		5.4180 - CAP AND SPACER, FAN HUB													
	5128729	SPACER, 11/16 THICK													1
	5103676	SPACER,	2	1			2						2	1	
	5103718	SPACER,		1	3	1		1		1	2		1	1	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12851	12861	12871	12881	12891	12901	12911	12921	12941	12951	12961	13011	13021
		5.4010 - BLADE, FAN													
	NPN	BLADE (CUSTOMER FURNISHED)			1			1			1				
	5162666	BLADE (36 -8 BLADE)	1												
	5189119	BLADE (36 -8 BLADE)		1			1						1		
	5101349	BLADE (32 -8 BLADE)				1									
	5100507	BLADE (34 -8 BLADE)							1						
	5131625	BLADE (36 -6 BLADE)								1					
	5109396	BLADE (32 -8 BLADE)										1			
	5177871	BLADE (28 -6 BLADE)												1	
	5177766	BLADE (26 -6 BLADE)													1
	446093	BOLT, 5/16 -24X2 3/8 (12.9001)							6						
	181350	BOLT, 5/16 -24X2 3/4 (12.9001)				6				6		6			
	186272	BOLT, 5/16 -18X4 (12.9001)											6		
	181351	BOLT, 5/16 -24X3 (12.9001)	6												
	454879	BOLT, 5/16-24X2 1/4 (12.9001)	6				6							6	
	179828	BOLT, 5/16-18X2 1/2 (12.9001)													6
	217220	BOLT, 5/16 -24X3 3/4 (12.9001)	6					6							
	103320	LOCKWASHER, 5/16 (12.9200)	6	6	6	6	6	6	6	6		6	6	6	6
	102634	NUT, 5/16 (12.9200)													6
	120376	NUT, 5/16 (12.9200)											6		
	114493	NUT, 5/16 (2.7170)	6	6	6	6	6	6	6	6		6		6	
		5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN AS INDICATED.													
	5103860	PULLEY & HUB ASSY. (PAGE D1)	1	1	1	1	1	1	1	1	1	1	1	1	1
		5.4025 - SUPPORT, FAN MOUNTING													
	5103079	SUPPORT	1				1	1	1					1	
	5138784	SUPPORT		1	1		1					1			
	5122264	SUPPORT				1					1		1		1
	5138856	SPACER, 11/16		1	2		2					2			
	5126729	SPACER	1				1								
	5138876	SHIM (.005)		2	2		2					2			
	5138877	SHIM (.010)		2	2		2					2			
	5138878	SHIM (.030)		2	2		2					2			
	187152	BOLT, 1/2 -13X5 (12.9001)						1							
	8922144	BOLT, 5/8 -11X5 1/2 (12.9001)		2	2		2					2			
	187201	BOLT, 1/2 -13X4 3/4 (12.9001)	1			1		1	1	1			1	1	1
	271574	BOLT, 5/8 -11X5 (12.9001)	2			2		2	2	2	2		2	2	2
	9409053	BOLT, 1/2 -13X1 1/2 (12.9001)	4	2	4	4	4	4	4	4	4	4	4	4	4
	8922143	BOLT, 5/8-11X2 1/4 (12.9001)	1	1	1		1	1	1	1		1		1	
	5124203	BOLT, 1/2 -13X5 (12.9001)	1	1	1		1	1	1	1		1		1	
	190256	BOLT, 1/2 -13X4 1/2 (12.9001)		1	1		1					1			

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12851	12856	12857	12858	12859	12900	12901	12902	12904	12905	12906	13001	13002
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)													
	5122282	BOLT, 1/2-13X3 1/2 (12.9001)				1					1		1		1
	103323	LOCKWASHER, 1/2 (12.9200)	1	3	3	1	3	1	1	1	1	3	1	1	
	103325	LOCKWASHER, 5/8 (12.9200)	3	3	1	2	3	3	3	3	2	5	2	3	
	103345	WASHER, 5/8 (12.9190)	2												
	5131978	WASHER,	4	2	4	4	4	4	4	4	4	4	4	4	4
		5.4090 - BRACKET, FAN SHAFT													
	5138782	BRACKET (SUPPORT)		1	1		1					1			
	8922143	BOLT, 5/8-11X2 1/4" (12.9001)		2	2		2					2			
	190770	BOLT, 1/2-13X3 1/4 (12.9001)		2	2		2					2			
	103325	LOCKWASHER, 5/8 (12.9200)		2	2		2								
		5.4180 - CAP AND SPACER, FAN HUB													
	5103676	SPACER,	2	1		1				2	2	1		1	2
	5103718	SPACER,	1	1	1	1	1	3	1		1	1	3	1	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13031	13041	13061	13081	13091	13101	13111	13121	13131	13141	13171
		5.4010 - BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED											
	NPN	BLADE (CUSTOMER FURNISHED)		1	1	1	1	1			1		
	5189119	BLADE (36 -8 BLADE)	1										
	5124147	BLADE (40 -8 BLADE)							1			1	
	5142041	BLADE (40 -8 BLADE)								1			1
	5103718	SPACER, .80" THK. (5.4180)	1										
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	6										
	9409512	BOLT, 1/2"-20X2" (1.4001)							4	4		4	
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)											6
	103320	LOCKWASHER, 5/16" (12.9200)	6										
	103323	LOCKWASHER, 1/2" (12.9200)							4				6
	103028	NUT, 1/2"-20 (12.9120)							4	4		4	
		5.4015 - PULLEY AND HUB ASSY., FAN											
		SEE ASSEMBLY BREAKDOWN AS INDICATED.											
	5103968	PULLEY & HUB ASSY. (PAGE D1)			1								
	5103969	PULLEY & HUB ASSY. (PAGE D1)	1	1									
	5103884	PULLEY & HUB ASSY. (PAGE D1)				1	1	1	1		1	1	
	5103568	PULLEY & HUB ASSY. (PAGE D1)								1			1
	5108203	PULLEY & HUB ASSY. (PAGE D1)											
		5.4025 - SUPPORT, FAN MOUNTING											
	5103079	SUPPORT	1	1						1			1
	8922559	* SUPPORT						1					
	5103286	SUPPORT										1	
	8924109	SUPPORT		1	1		1		1				
	8922620	ADAPTOR						1					
	5126729	SPACER, 3/8" THK.											1
	5138856	SPACER, 11/16" ID X 1 1/4" OD X 1.74" THK.										2	
	5135008	+ SPACER, 1"						2					
	5138876	SHIM (.005")										2	
	5138877	SHIM (.010")										2	
	5138878	SHIM (.030")										2	
	187152	BOLT, 1/2"-13X5" (12.9001)											1
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)						3					
	8922144	BOLT, 5/8"-11X5 1/2" (12.9001)										2	
	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1	1	1	1	1		1	1			
	271574	BOLT, 5/8"-11X5" (12.9001)	2	2	2	2	2		2	2			2
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)	4	4	4	2	2	2	2	2		2	2
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						2					
	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)	1			1				1		1	1
	5124203	BOLT, 1/2"-13X5" (5.4290)	1			1				1			1
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)						4					
	190256	BOLT, 1/2"-13X4 1/2" (12.9001)										1	
	5122282	BOLT, 1/2"-13X3 1/2" (5.4290)		1	1		1		1				
	103323	LOCKWASHER, 1/2" (12.9200)	1	1	1	1	1	4				1	1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13031	13041	13061	13081	13091	13101	13111	13121	13131	13141	13171
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)											
	103322	LOCKWASHER, 7/16" (12.9200)						5					
	103325	LOCKWASHER, 5/8" (12.9200)	3	2	2	3			2			3	3
	103345	WASHER, 5/8" (12.9190)					2						2
	5131978	WASHER, .53"X1" (1.5001)	4	4	4	2	2	2	2	2		2	2
		* USE WITH 8922620 ADAPTOR.											
		+ OBSOLETE-NO REPLACEMENT.											
		5.4090 - BRACKET, FAN SHAFT											
	5138782	BRACKET (SUPPORT)										1	
	8922143	BOLT, 5/8"-11X2.25" (12.9001)										2	
	190770	BOLT, 1/2"-13X3 1/4" (12.9001)										2	
	103323	LOCKWASHER, 1/2" (12.9200)										2	
	103325	LOCKWASHER, 5/8" (12.9200)										2	
		5.4180 - CAP AND SPACER, FAN HUB											
	5141289	SPACER (1" THICK)		1									
	5144798	CAP		1									

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13251	13289	13290	13301	13312	13323	13334	13345	13356	13367	13378	13389	13400
		5.4010 - BLADE, FAN													
	NPN	BLADE (CUSTOMER FURNISHED)		1	1	1	1					1	1		
	5177871	BLADE (28"-6 BLADE)	1												
	5141315	BLADE (48"-8 BLADE)					1								
	5142037	BLADE (48"-8 BLADE)						1							
	5142041	BLADE (40"-8 BLADE)							1						
	5142039	BLADE (44"-8 BLADE)								1					
	5142038	BLADE (44"-8 BLADE)									1				
	5141315	BLADE (48"-8 BLADE)												1	
	5177871	BLADE (28"-6 BLADE)													1
	446093	BOLT, 5/16"-24 X 2 3/8" (12.9001)	6												
	454992	BOLT, 1/2"-13 X 2 1/2" (12.9001)					6							6	
	186631	BOLT, 1/2"-13 X 2 1/4" (12.9001)						6	6	6					
	186725	BOLT, 1/2"-13 X 1 1/2" (12.9001)									6				
	186270	BOLT, 5/16"-18 X 3 1/2" (12.9001)													6
	103320	LOCKWASHER, 5/16" (12.9200)	6												6
	103323	LOCKWASHER, 1/2" (12.9200)					6	6	6	6	6			6	
	114493	NUT, 5/16"-24 (2.7170)	6												
		5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN AS INDICATED.													
	NPN	PULLEY & HUB ASSY. (CUSTOMER FURNISHED)										1			
	5103966	PULLEY & HUB ASSY. (PAGE D1)	1												
	5103884	PULLEY & HUB ASSY. (PAGE D1)		1											
	5141085	PULLEY & HUB ASSY. (PAGE C1)			1		1	1		1	1				
	5142150	PULLEY & HUB ASSY. (PAGE C1)				1			1						
	5142149	PULLEY & HUB ASSY. (PAGE C1)					1						1	1	
	5103860	PULLEY & HUB ASSY. (PAGE D1)													1
		5.4025 - SUPPORT, FAN MOUNTING													
	5103079	SUPPORT	1												1
	5103302	SUPPORT		1								1			
6E	5103304	SUPPORT			1	1	1	1	1	1	1		1	1	
6E	5103303	ADAPTOR		1	1	1	1	1	1	1	1	1	1	1	
	187201	BOLT, 1/2"-13 X 4 3/4" (12.9001)	1												1
	8922143	BOLT, 5/8"-11 X 2 1/4" (12.9001)	1												1
	271574	BOLT, 5/8"-11 X 5" (12.9001)	2												2
	9409053	BOLT, 1/2"-13 X 1 1/2" LKG. (12.9001)	4	4											4
	179862	BOLT, 7/16"-14 X 1 1/2" (12.9001)		2	2	2	2	2	2	2	2	2	2	2	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13251	13281	13291	13301	13311	13321	13331	13341	13351	13361	13371	13381	13391	13401
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)														
	186725	BOLT, 1/2"-13 X 1 1/2" (12.9001)		4	4	4	4	4	4	4	4	4	4	4	4	
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)		3	3	3	3	3	3	3	3	3	3	3	3	
	220470	BOLT, 9/16"-12 X 1 3/4" LKG. (12.9001)			4	4	4	4	4	4	4		4	4		
	5131978	WASHER, .53" X 1.00" FLAT (1.5001)	4	4												4
	5133981	WASHER, 19/32" X 1.00" FLAT (1.1001)			6	4	4	6	6	4	6	6		4	4	
	103323	LOCKWASHER, 1/2" (12.9200)	1	4	4	4	4	4	4	4	4	4	4	4	4	1
	103325	LOCKWASHER, 5/8" (12.9200)	3													3
	103322	LOCKWASHER, 7/16" (12.9200)		5	5	5	5	5	5	5	5	5	5	5	5	
		5.4180 - CAP & SPACER ASSY., FAN HUB														
	5106001	SPACER, .56" THICK (FOR L.H. ROTAT FAN)	1													
	5103676	SPACER, .56" THICK	1													
	5141289	SPACER, 1.00" THICK			1			1						1	1	
	5142147	SPACER, 1.84" THICK				1	1									
	5142148	SPACER, .78" THICK							1	1	1					
	5103718	SPACER, .80" THICK														3
		5.4290 - SCREW, FAN BRACKET ADJUSTING														
	5124203	BOLT, 1/2"-13 X 5"	1													1
6E	**5130037**	BOLT, 1/2"-13 X 8 1/2"		1	1	1	1	1	1	1	1	1	1	1	1	
6E	**103343**	WASHER, 1/2" FLAT (12.9190)		1	1	1	1	1	1	1	1	1	1	1	1	
6E	**103323**	LOCKWASHER, 1/2" (12.9200)						1	1	1	1					

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13441	13448	13454	13455	13456	13457	13458	13459	13460	13461	13462	13463	13464
		5.4010 - BLADE, FAN													
	NPN	BLADE (CUSTOMER FURNISHED)	1												
	5142039	BLADE (44"-8 BLADE)		1											
	5177871	BLADE (28"-6 BLADE)			1			1							1
	5171228	BLADE (26"-6 BLADE)				1									
	5128508	BLADE (24"-6 BLADE)					1								
	5177766	BLADE (26"-6 BLADE)							1		1		1		
	5175738	BLADE (28"-6 BLADE)								1					
	5171229	BLADE (26"-6 BLADE)										1		1	
	186725	BOLT, 1/2"-13 X 1 1/2" (12.9001)		6											
	179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)			6	6	6				6				
	179828	BOLT, 5/16"-18 X 2 1/2" (12.9001)						6							
	271485	BOLT, 5/16"-18 X 2 3/8" (12.9001)							6						
	426444	BOLT, 5/16"-18 X 3 1/4" (12.9001)								6		6		6	
	179829	BOLT, 5/16"-18 X 2 3/4" (12.9001)											6		
	186270	BOLT, 5/16"-18 X 3 1/2" (12.9001)													6
	103323	LOCKWASHER, 1/2" (12.9200)		6											
	103320	LOCKWASHER, 5/16" (12.9200)			6	6	6	6	6	6	6	6	6	6	6
		5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN AS INDICATED.													
	5106130	PULLEY & HUB ASSY. (PAGE D1)	1												
	5103568	PULLEY & HUB ASSY. (PAGE D1)		1											
	5103966	PULLEY & HUB ASSY. (PAGE D1)			1	1	1	1	1	1		1	1	1	
	5103860	PULLEY & HUB ASSY. (PAGE D1)									1				1
		5.4025 - SUPPORT, FAN MOUNTING													
	5101381	SUPPORT	1												
	5103079	SUPPORT		1	1	1						1	1		1
	5122264	SUPPORT					1	1	1	1	1			1	
	5100334	SPACER (1.2070)	1												
	5126729	SPACER		1				1							
	271566	BOLT, 5/8"-11 X 3" (12.9001)	1												
	8922144	BOLT, 5/8"-11 X 5 1/2" (12.9001)	1												
	8922145	BOLT, 1/2"-13 X 5 1/4" (12.9001)	1												
	427564	BOLT, 7/16"-14 X 1 3/8" (12.9001)	4												
	187152	BOLT, 1/2"-13 X 5" (12.9001)		1											
	8922143	BOLT, 5/8"-11 X 2 1/4" (12.9001)		1	1	1						1	1		1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13448	13485	13554	13555	13556	13557	13558	13559	13560	13561	13562	13563	13564
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)													
	271574	BOLT, 5/8"-11 X 5" (12.9001)		1	1	2	2	2	2	2	2	2	2	2	2
	9409053	BOLT, 1/2"-13 X 1 1/2" LKG. (12.9001)		2	4	4	4	4	4	4	4	4	4	4	4
	187201	BOLT, 1/2"-13 X 4 3/4" (12.9001)			1	1	1	1	1	1	1	1	1	1	1
	5108436	WASHER, 15/32" FLAT (7.1598)	4												
	103345	WASHER, 5/8" FLAT (12.9190)		2											
	5131978	WASHER, .53" X 1.00" FLAT (1.5001)		2	4	4	4	4	4	4	4	4	4	4	4
	103323	LOCKWASHER, 1/2" (12.9200)	1	1	1	1	1	1	1	1		1	1	1	1
	103325	LOCKWASHER, 5/8" (12.9200)	2	3	3	3	2	2	2	2	2	3	3	2	3
	103322	LOCKWASHER, 7/16" (12.9200)	4												
		5.4180 - CAP & SPACER ASSY., FAN HUB													
	5106001	SPACER, .56" THICK (FOR L.H. ROTAT FAN)			1	1	1	1	1	1	1	1	1	1	1
	5103676	SPACER, .56" THICK			1	1	1		1	1	1				
	5103718	SPACER, .80" THICK						1		1		1	1	2	2
		5.4290 - SCREW, FAN BRACKET ADJUSTING													
	5144618	BOLT, 5/16"-18 X 3 1/2"	1												
	5124203	BOLT, 1/2"-13 X 5"		1	1	1						1	1		1
	5122282	BOLT, 1/2"-13 X 3 1/2"					1	1	1	1	1			1	
	120393	WASHER, 5/16" FLAT (12.9190)	1												

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13651	13661	13671	13681	13691	13701	13711	13721	13731	13741	13751	13841	13851
		5.4010 - BLADE, FAN													
	5177871	BLADE (28"-6 BLADE)	1		1							1	1		
	5128508	BLADE (24"-6 BLADE)		1											
	5177766	BLADE (26"-6 BLADE)				1		1		1					
	5175738	BLADE (28"-6 BLADE)					1								
	5171229	BLADE (26"-6 BLADE)							1		1				
	5142038	BLADE (44"-8 BLADE)												1	
	5142040	BLADE (40"-8 BLADE)													1
	179824	BOLT, 5/16"-18 X 1 3/4" (12.9001)	6												
	446093	BOLT, 5/16"-24 X 2 3/8" (12.9001)		6		6									
	181350	BOLT, 5/16"-24 X 2 3/4" (12.9001)			6					6					
	186303	BOLT, 5/16"-24 X 3 1/4" (12.9001)					6		6		6	6			
	179828	BOLT, 5/16"-18 X 2 1/2" (12.9001)						6							
	454879	BOLT, 5/16"-24 X 2 1/4" (12.9001)											6		
	454992	BOLT, 1/2"-13 X 2 1/2" (12.9001)												6	
	427566	BOLT, 1/2"-13 X 1 1/2" (12.9001)													6
	103320	LOCKWASHER, 5/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6		
	103323	LOCKWASHER, 1/2" (12.9200)												6	6
	114493	NUT, 5/16"-24 (2.7170)		6	6	6	6		6	6	6	6	6		
	120376	NUT, 5/16"-18 (12.9120)						6							
		5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN AS INDICATED.													
	5103860	PULLEY & HUB ASSY. (PAGE D1)	1				1					1	1		
	5103966	PULLEY & HUB ASSY. (PAGE D1)		1	1	1	1		1	1	1				
	5104352	PULLEY & HUB ASSY. (PAGE D1)												1	
	5103622	PULLEY & HUB ASSY. (PAGE D1)													1
		5.4025 - SUPPORT, FAN MOUNTING													
	5103079	SUPPORT	1					1	1		1	1	1	1	
	5122264	SUPPORT		1	1	1	1	1			1				
	5126729	SPACER			1										1
	187201	BOLT, 1/2"-13 X 4 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	
	8922143	BOLT, 5/8"-11 X 2 1/4" (12.9001)	1					1	1		1	1	1	1	
	271574	BOLT, 5/8"-11 X 5" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2	2
	9409053	BOLT, 1/2"-13 X 1 1/2" LKG. (12.9001)	4	4	4	4	4	4	4	4	4	4	4	2	2
	187152	BOLT, 1/2"-13 X 5" (12.9001)													1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13651	13666	13667	13668	13669	13670	13671	13672	13673	13674	13675	13684	13685
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)													
	5131978	WASHER, .53" X 1.00" FLAT (1.5001)	4	4	4	4	4	4	4	4	4	4	4	2	2
	103345	WASHER, 5/8" FLAT (12.9190)													2
	103323	LOCKWASHER, 1/2" (12.9200)	1	1	1	1	1		1	1	1	1	1	1	1
	103325	LOCKWASHER, 5/8" (12.9200)	3	2	2	2	2	2	3	3	2	3	3	3	3
		5.4180 - CAP & SPACER ASSY., FAN HUB													
	5106001	SPACER, .56" THICK (FOR LH ROTAT FAN)	1	1	1	1	1	1	1	1	1	1	1		
	5103676	SPACER, .56" THICK		1		1	1	1							
	5103718	SPACER, .80" THICK			1		1		2	1	2	2			
	5141289	SPACER, 1.00" THICK												1	
		5.4290 - SCREW, FAN BRACKET ADJUSTING													
	5124203	BOLT, 1/2"-13 X 5"	1						1	1		1	1	1	1
	5122282	BOLT, 1/2"-13 X 3 1/2"		1	1	1	1	1			1				

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1386	1389	1390	1391	1414	1415	1435	1436	1437	1438	1439	1468	1478
		5.4010 - BLADE, FAN													
		▪ FOR TYPE 1402 USE TYPE 1533 ▪													
	NPN	BLADE (CUSTOMER FURNISHED)						1	1				1		
	5142038	BLADE (44"-8 BLADE)	1												
	5177871	BLADE (28"-6 BLADE)		1											
	5143381	BLADE (48"-8 BLADE)			1										
	5142041	BLADE (40"-8 BLADE)				1					1	1			
	5177766	BLADE (26"-6 BLADE)													1
	5101349	BLADE (32"-8 BLADE)					1								
	5141315	BLADE (48"-8 BLADE)								1				1	
	454992	BOLT, 1/2"-13 X 2 1/2" (12.9001)	6		6	6								6	
	181351	BOLT, 5/16"-24 X 3" (12.9001)		6											
	179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)					6								
	186643	BOLT, 5/16"-18 X 2 1/16" (12.9001)													6
	186725	BOLT, 1/2"-13 X 1 1/2" (12.9001)								6	6	6			
	103323	LOCKWASHER, 1/2" (12.9200)	6		6	6				6	6	6		6	
	103320	LOCKWASHER, 5/16" (12.9200)		6			6								6
	114493	NUT, 5/16"-24 (2.7170)		6											
		5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN AS INDICATED.													
	5103622	PULLEY & HUB ASSY. (PAGE D1)	1								1				
	5103860	PULLEY & HUB ASSY. (PAGE D1)		1			1								
	5141085	PULLEY & HUB ASSY. (PAGE C1)			1										
	5104352	PULLEY & HUB ASSY. (PAGE D1)				1		1				1			
	5103568	PULLEY & HUB ASSY. (PAGE D1)							1	1			1	1	
	5103966	PULLEY & HUB ASSY. (PAGE D1)													1
		5.4025 - SUPPORT, FAN MOUNTING													
	5103079	SUPPORT	1				1		1	1		1		1	
	5122264	SUPPORT		1		1		1			1		1		
	5103286	SUPPORT													1
	5103304	SUPPORT			1										
	5103303	ADAPTOR			1										
	5126729	SPACER								1	1	1	1	1	
	5138856	SPACER													2
	5138876	SHIM, .56" I.D. X 1.24 O.D. X .005"													AR
	5138877	SHIM, .56" I.D. X 1.24" O.D. X .010"													AR
	5138878	SHIM, .56" I.D. X 1.24" O.D. X .030"													AR
	5122282	BOLT, 1/2"-13X3 1/2" SPL. (12.9001)									2				
	187201	BOLT, 1/2"-13 X 4 3/4" (12.9001)	1	1		1	1	1	1				1		
	8922143	BOLT, 5/8"-11 X 2 1/4" (12.9001)	1				1		1	1	1	1		1	1
	271574	BOLT, 5/8"-11 X 5" (12.9001)	2	2		2	2	2	2	2		2	2	2	
	9409053	BOLT, 1/2"-13 X 1 1/2" LKG. (12.9001)	2	4		2	4	4	2	2	2	2	2	2	
	8922144	BOLT, 5/8"-11 X 5 1/2" (12.9001)													2
	220470	BOLT, 9/16"-12 X 1 3/4" LKG. (12.9001)			4										

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13861	13891	13901	13911	14141	14151	14351	14361	14371	14381	14391	14681	14781
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)													
	179862	BOLT, 7/16"-14 X 1 1/2" (12.9001)			2										
	186725	BOLT, 1/2"-13 X 1 1/2" (12.9001)			4										
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)			3										
	190770	BOLT, 1/2"-13 X 3 1/4" (12.9001)													2
	190256	BOLT, 1/2"-13 X 4 1/2" (12.9001)													1
	187152	BOLT, 1/2"-13 X 5" (12.9001)								1	1	1		1	
	5131978	WASHER, .53" X 1.00" FLAT (1.5001)	2	4		2	4	4	2	2	2	2	2	2	
	5133981	WASHER, 19/32" X 1.00" FLAT (1.1001)			6										
	103345	WASHER, 5/8" FLAT (12.9190)								2	2	2		2	
	103323	LOCKWASHER, 1/2" (12.9200)	1	1	4	1	1	1	1	1	1	1	1	1	3
	103325	LOCKWASHER, 5/8" (12.9200)	3	2		2	3	2	3	3	3	3	2	3	3
	103322	LOCKWASHER, 7/16" (12.9200)			5										
		5.4090 - BRACKET, FAN SHAFT													
	5138782	BRACKET													1
	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)													2
	103325	LOCKWASHER, 5/8" (12.9200)													2
		5.4180 - CAP & SPACER ASSY., FAN HUB													
	5141289	SPACER, 1.00" THICK	1		1	1								1	
	5103676	SPACER, .56" THICK		1											2
	5103718	SPACER, .80" THICK		1			1								
	5142148	SPACER, .78" THICK						2					1		
		5.4290 - SCREW, FAN BRACKET ADJUSTING													
	5124203	BOLT, 1/2"-13 X 5"	1				1		1	1	1	1		1	1
	5122282	BOLT, 1/2"-13 X 3 1/2"		1		1		1					1		
	5130037	BOLT, 1/2"-13 X 3 1/2"			1										
	103343	WASHER, 1/2" FLAT (12.9190)			1										

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14485	15157	15311	15333	15526	15557	15558	15559	15560	15561	15562
		5.4010 - BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED											
	NPN	BLADE (CUSTOMER FURNISHED)	1	1			1	1	1	1	1		
	5141315	BLADE (48"-8 BLADE)									1		
	5109396	BLADE (32"-8 BLADE)			1								
	5162666	BLADE (36"-8 BLADE)				1							
	5142037	BLADE (48"-8 BLADE)										1	
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	6										
	5142041	BLADE (48"-8 BLADE)											1
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)				6							
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)										6	6
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)									6		
	103320	LOCKWASHER, 5/16" (12.9200)	6		6	6							
	103323	LOCKWASHER, 1/2" (12.9200)									6	6	6
		5.4015 - PULLEY AND HUB ASSY., FAN											
		SEE ASSEMBLY BREAKDOWN AS INDICATED											
	5141085	PULLEY & HUB ASSY. (PAGE C1)					1				1	1	
	5103860	PULLEY & HUB ASSY. (PAGE D1)	1			1							
	5142150	PULLEY & HUB ASSY. (PAGE C1)						1					1
	5103966	PULLEY & HUB ASSY. (PAGE D1)		1	1		1						
	5142149	PULLEY & HUB ASSY. (PAGE C1)							1				
	5103884	PULLEY & HUB ASSY. (PAGE D1)								1			
		5.4025 - SUPPORT, FAN MOUNTING											
	8922559	SUPPORT								1			
6C	5103079	SUPPORT	1	1	1		1						
6C	5122264	SUPPORT	1			1							
	8922558	SUPPORT						1	1	1		1	1	1
	8922620	ADAPTOR						1	1	1	1	1	1	1
	5122282	BOLT, 1/2"-13X3 1/2" (12.9001)				1								
	179860	BOLT, 7/16"-14X1 1/4" (12.9001)						3	3	3	3	3	3	3
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)	4	4	4	4	4				4			
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						2	2	2	2	2	2	2
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)						4	4	4	4	4	4	4
	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1	1	1	1	1							
	5124203	BOLT, 1/2"-13X5" (12.9001)	1	1	1		1							
	5130037	BOLT, 1/2"-13X8 1/2" (12.9001)						1	1	1	1	1	1	1
	220470	BOLT, 9/16"-12X1 3/4" (12.9001)						4	4	4		4	4	4
	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)	1	1	1		1							
	271574	BOLT, 5/8"-11X5" (12.9001)	2	2	2	2	2							
	5131978	WASHER, .53"X1.00" (1.5001)	4	4	4	4	4				4			
	103343	WASHER, 1/2" (12.9001)						1	1	1	1	1	1	1
	103345	WASHER, 5/8" (12.9190)		1	1		1							
	5133981	WASHER, 19/32"X1.00" (1.1001)						6	4	4		6	6	4
	103323	LOCKWASHER, 1/2" (12.9200)	1	1	1	1	1	4	4	4	5	5	5	5
	103322	LOCKWASHER, 7/16" (12.9200)						5	5	5	4	5	5	5
	103325	LOCKWASHER, 5/8" (12.9200)	3	2	2	2	2							
		5.4180 - CAP AND SPACER, FAN HUB											
	5109886	SPACER, .1562" THICK (12.6682)						2	2	2	2	2	2	2
	5103676	SPACER, .56" THICK					1							
	5103718	SPACER, .80" THICK	3	2	2	3	2							
	5141289	SPACER, 1.00" THICK						1				1		
	5142147	SPACER, 1.84" THICK							1	1				
	5142148	SPACER, .78" THICK											1	1
	5126729	SPACER	1											

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1563	1564	1565	1566	1567	1578	1582	1583	1592	1607	1608	1619	1624
		5.4010 - BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED													
	NPN	BLADE (CUSTOMER FURNISHED)			1			1	1	1			1		
	5162666	BLADE (36"-8 BLADE)										1			
	5142041	BLADE (40"-8 BLADE)												1	
	5142040	BLADE (40"-8 BLADE)													1
	5142039	BLADE (44"-8 BLADE)	1												
	5142038	BLADE (44"-8 BLADE)		1											
	5141315	BLADE (48"-8 BLADE)				1									
	5143381	BLADE (48"-8 BLADE)					1								
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)										6			
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)		6											
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)	6												
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)				6	6							6	6
	103320	LOCKWASHER, 5/16" (12.9200)										6			
	103323	LOCKWASHER, 1/2" (12.9200)	6	6		6	6							6	6
		5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN AS INDICATED													
	5141085	PULLEY & HUB ASSY. (PAGE C1)	1	1			1								
	5142149	PULLEY & HUB ASSY. (PAGE C1)			1	1									
	5104035	PULLEY & HUB ASSY. (PAGE D1)						1							
	8923596	PULLEY & HUB ASSY. (PAGE D1)									1				
	5103860	PULLEY & HUB ASSY. (PAGE D1)										1			
	5104352	PULLEY & HUB ASSY. (PAGE D1)												1	1
	5108203	PULLEY & HUB ASSY. (PAGE C1)											1		
	9409053	BOLT, 1/2"-13X1 1/2" LKG. (12.9001)										4	4	4	4
	220470	BOLT, 9/16"-12X1 3/4" (12.9001)									4				
	5131978	WASHER, .53"X1.00" (1.5001)										4	4	4	4
	5133981	WASHER, 19/32" I.D. (1.1001)									AR				
		5.4025 - SUPPORT, FAN MOUNTING													
	8922558	SUPPORT	1	1	1	1	1		1	1	1				
	5103079	SUPPORT						1					1		
	8925362	SUPPORT										1			
	5103286	SUPPORT												1	1
	5138856	SPACER, 11/16"										2		2	2
	5138876	SHIM (.005")										AR		AR	AR
	5138877	SHIM (.010")										AR		AR	AR
	5138878	SHIM (.030")										AR		AR	AR
	8922620	ADAPTOR	1	1	1	1	1		1	1	1				
	5103303	ADAPTOR							1	1	1				
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	3	3	3	3	3		3	3	3				
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	2	2	2	2	2		1	2	2				
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)							4		4				
	9409053	BOLT, 1/2"-13X1 1/2" LOCKING (12.9001)						1							
	220470	BOLT, 9/16"-12X1 3/4" (12.9001)	4	4	4	4	4								
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)	4	4	4	4	4			4					
	9440352	BOLT, 1/2"-13X2 3/4" (12.9001)									2	2			
	190770	BOLT, 1/2"-13X3 1/4" (12.9001)												2	2
	190256	BOLT, 1/2"-13X4 1/2" (12.9001)										1		1	1
	187201	BOLT, 1/2"-13X4 3/4" (12.9001)						1					1		
	5124203	BOLT, 1/2"-13X5" (12.9001)						1					1	1	1
	5130037	BOLT, 1/2"-13X8 1/2" (12.9001)	1	1	1	1	1		1	1	1	1			
	8922143	BOLT, 5/8"-11X2.25" (12.9001)						1				1	1	1	1
	271574	BOLT, 5/8"-11X5" (12.9001)						2					2		
	8922144	BOLT, 5/8"-11X5 1/2" (12.9001)										2		2	2
	103343	WASHER, 1/2" (12.9001)	1	1	1	1	1		1	1	1				

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15633	15644	15655	15666	15677	15788	15822	15833	15922	16007	16088	16199	16244
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)													
	5131978	WASHER, .53"X1.00"						2							
	5133981	WASHER, 19/32 X 1.00" (1.1001)	6	6	4	4	6								
	5109949	WASHER, 17/32" I.D. (5.4025)										1			
	103322	LOCKWASHER, 7/16" (12.9200)	5	5	5	5	5		5	5	5				
	103323	LOCKWASHER, 1/2" (12.9200)	5	4	4	4	4		4	4	4	3		3	3
	103325	LOCKWASHER, 5/8" (12.9200)						2				3		3	3
		5.4090 - BRACKET, FAN SHAFT													
	5138782	BRACKET (SUPPORT)										1		1	1
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)										2		2	2
	103325	LOCKWASHER, 5/8" (12.9200)										2		2	2
		5.4180 - CAP AND SPACER, FAN HUB													
	5142148	SPACER, .78" THICK	1												
	5141289	SPACER, 1.00" THICK			1	1	1				1			1	1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1627	TYPES 1630
		5.4010 - BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED		
	NPN	BLADE (CUSTOMER FURNISHED)		1
	5189119	BLADE (36"-8 BLADE)	1	
	179830	BOLT, 5/16"-18X3" (12.9001)	6	
	103320	LOCKWASHER, 5/16" (12.9200)	6	
		5.4015 - PULLEY AND HUB ASSY.		
		SEE ASSEMBLY BREAKDOWN AS INDICATED.		
	5103968	PULLEY & HUB ASSY. (PAGE D1)	1	
	5104352	PULLEY & HUB ASSY. (PAGE D1)		1
	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)	4	4
	5131978	WASHER, .53"X1.00" (1.5001)	4	4
		5.4025 - SUPPORT, FAN MOUNTING		
	8924109	SUPPORT	1	
	5103286	SUPPORT		1
	5138856	SPACER, 11/16" I.D.X1 1/4" O.D.		2
	5138876	SHIM (.005")		AR
	5138877	SHIM (.010")		AR
	5138878	SHIM (.030")		AR
	190770	BOLT, 1/2"-13X3 1/4" (12.9001)		2
	5122282	BOLT, 1/2"-13X3 1/2" (12.9001)	1	
	190256	BOLT, 1/2"-13X4 1/2" (12.9001)		1
	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1	
	5124203	BOLT, 1/2"-13X5" (12.9001)		1
	8922143	BOLT, 5/8"-11X2 1/4" (12.9001)		1
	271574	BOLT, 5/8"-11X5" (12.9001)	2	
	8922144	BOLT, 5/8"-11X5 1/2" (12.9001)		2
	103323	LOCKWASHER, 1/2" (12.9200)		3
	103325	LOCKWASHER, 5/8" (12.9200)	2	2
		5.4090 - BRACKET, FAN SHAFT		
	5138782	BRACKET (SUPPORT)		1
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)		2
	103325	LOCKWASHER, 5/8" (12.9200)		2
		5.4180 - CAP AND SPACER FAN HUB		
	5103718	SPACER, .800 THICK	2	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.4001 - FAN ASSY.														
	5132992	@ FAN ASSY. (24", 6 BLADE, THERMO-MODULATED)	1													
	5132993	@ FAN ASSY. (26", 6 BLADE, THERMO-MODULATED)		1												
		@ OBSOLETE.														
		5.4010 - BLADE ASSY., FAN														
6C	**5197680**	BLADE ASSY. (INCLUDES SEAL ASSY. IN 5.4375)	1													
6C	**5197690**	BLADE ASSY. (INCLUDES SEAL ASSY. IN 5.4375)		1												
6C	**186602**	BOLT, 1/4"-20X2" (12.9001)	6	6												
6C	**120392**	WASHER, 9/32" FLAT (12.9190)	6	6												
6C	**103319**	LOCKWASHER, 1/4" (12.9200)	6	6												
		5.4360 - SHAFT, THERMO FAN DRIVE														
6C	**5197692**	SHAFT	1	1												
6C	**5197689**	RETAINER, GREASE	1	1												
6C	**9409012**	BOLT, 5/16"-18X1" HEX. LOCK (12.9001)	4	4												
		5.4362 - HOUSING, THERMO FAN DRIVE														
6C	**5197686**	HOUSING ASSY. (INCLUDES ITEMS IN 5.4365)	1	1												
	5197700	*RING SEAL (6.734"I.D.)*	1	1												
	5197693	GASKET	1	1												
		5.4365 - BEARING, THERMO FAN														
	9419771	+ BEARING	1	1												
	5197691	SEAL	2	2												
		+ OBSOLETE.														
		5.4368 - FLANGE, THERMO FAN DRIVE														
6C	**5197682**	+ FLANGE ASSY.	1	1												
6C	**5197695**	CUP	1	1												
6C	**5197802**	PIN, ROLL	2	2												
6C	**5197683**	SPRING, RETURN	4	4												
6C	**274611**	RING, SNAP	4	4												
		+ OBSOLETE.														

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.4370 - DISC, THERMO FAN CLUTCH														
6C	**5197684**	DISC ASSY., DRIVEN (NOTCHED O.D.)	2	2												
6C	**5197687**	DISC ASSY., DRIVE (FRONT)	1	1												
6C	**5197650**	DISC, DRIVE (INTERMEDIATE)	1	1												
		5.4372 - ELEMENT, THERMO FAN CONTROL														
6C	**5197681**	ELEMENT ASSY.	1	1												
6C	**5197698**	WASHER, FIBRE	1	1												
6C	**5197697** *	WASHER, BELLEVILLE SPRING	4	4												
6C	**5197696**	RETAINER, WASHER	1	1												
6C	**5197803**	RING, SNAP (.572"I.D.)	1	1												
		5.4375 - SEAL, THERMO FAN ELEMENT														
6C	**5197801**	SEAL ASSY. (IN BLADE ASSY.)	1	1												
6C	**5197699**	RING, SEAL (TO DRIVE SHAFT)	1	1												
6C	**5197685**	RETAINER, SEAL RING	1	1												
6C	**9414463**	RING, SNAP	1	1												
	222705	SCREW, 1/2"-20X1/2" HEX. SOCKET HD. SET (12.9076)	1	1												

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.4015 - PULLEY AND HUB ASSY., FAN														
	5129509	+ PULLEY ASSY. (5103966)	1													
	5129510	+ PULLEY ASSY. (5103860)		1		1										
	5124228	@ PULLEY ASSY.			1											
	5129511	+ PULLEY ASSY. (5103969)					1									
	5100100	+ PULLEY ASSY. (5103884)						1								
	5109274	+ PULLEY ASSY. (5103966)							1							
	5132188	* PULLEY ASSY.								1						
	5132421	+ PULLEY ASSY. (5103967)									1					
	5100981	+ PULLEY ASSY. (5103344)											1			
	5142938	PULLEY ASSY.												1		
	5100978	+ PULLEY ASSY. (5103343)										1				
		@ NOT SERVICED; USE COMPONENTS.														
		* NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE 5101001														
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.														
		5.4090 - BRACKET, FAN SHAFT														
		A BRACKET ASSY. INCLUDES FAN SHAFT, WHICH IS NOT SERVICED SEPARATELY, AND SNAP RING IN 5.4140.														
6A	5129474	+ BRACKET	1	1	1	1	1		1		1					
6A	5100042	@ BRACKET ASSY.						1								
6A,B	5131944	BRACKET (INTEGRAL SHAFT)								1		1	1	1		
	5131978	SPACER (.53"I.D.X1"O.D.)	4	4	4		4	4	4		4		4	4		
	427564	BOLT, 7/16-14X1 3/8" (12.9001)								4		4				
6A	100040	BOLT, 7/16"-20X1 3/8" (12.9001)		4												
	181399	BOLT, 7/16 -20X1 1/2" (12.9001)	4	4	4		4	4	4		4					
6A	9409053	BOLT, 1/2"-13X1 1/2" (12.9001)				4										
6A	186725	BOLT, 1/2"-13X1 1/2" (12.9001)								4		4	4	4		
6A	5108436	WASHER, 7/16" FLAT (12.9190)				4										
6A	103343	WASHER, 1/2" FLAT (12.9190)								4		4	4	4		
6A	103322	LOCKWASHER, 7/16" (12.9200)				4										
6A	103323	LOCKWASHER, 1/2" (12.9200)								4		4	4	4		
		5.4100 - SHAFT, FAN														
6A	5122238	SHAFT	1	1												
6A	5123795	SHAFT			1											
6A	5188194	RING, SNAP (1.350"I.D.)	1	1	1	1	1	1	1		1					
6A	103385	PIN, 1/8"X1 1/4" COTTER (12.9250)	1	1	1	1	1	1	1		1					
	5103295	WASHER, 21/32X1 5/16"X.095	1	1		1	1	1	1		1					
6A	122797	NUT, 5/8"-18 HEX. SLOTTED (12.9130)	1	1	1	1	1	1	1		1					
		+ SEE ASSY. SUPERSESSIONS FOR SERVICE REPLACEMENT.														
		@ NOT SERVICED, USE NUMBER IN PARENTHESES.														
		5.4110 - BEARING, FAN SHAFT														
6A,B	908208	BEARING (OUTER) (N.D. XB-21770)	1	1	1	1	1	1	1		1					
6A,B	907278	BEARING (INNER) (N.D. Z97509LR1B)	1	1	1	1	1	1	1		1					
6A,B	908508	BEARING (INNER) (N.D. 8508XR1B)						1								

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.4110 - BEARING, FAN SHAFT (CONT'D)														
6D	**7450630**	BEARING (REAR)								1		1	1	1		
6D	**9415132**	BEARING (FRONT)								1		1	1	1		
6D	**5131095**	BAFFLE, GREASE								1		1	1	1		
6D	**5131124**	SHIM (.015")								AR		AR	AR	AR		
6D	**5131205**	SHIM (.020)								AR		AR	AR	AR		
6D	**5131206**	SHIM (.025)								AR		AR	AR	AR		
		5.4140 - RETAINER, FAN SHAFT BEARING														
6A,B	**274746**	RING, LOCK (5.4235)	1	1	1	1	1	1	1		1					
6D	**9409060**	BOLT, 1/2"-20X1 1/2" LOCK (12.9001)								1		1	1	1		
	5131123	WASHER, 33/64"I.D.X1.50"O.D.X.32"								1			1	1		
	5134025	WASHER, 33/64"I.D.X1.50"O.D.X.32"										1				
		5.4150 - SEAL, FAN SHAFT														
6D	**5108219**	SEAL, OIL								1				1		
	5100408	SEAL, OIL										1	1			
		5.4170 - SPACER, FAN SHAFT BEARING														
6D	**5131122**	SPACER								1		1				
		5.4180 - CAP AND SPACER ASSY., FAN HUB (PULLEY CAP ONLY)														
6A,B	**5122250**	CAP (PULLEY)						1								
6A,B,D	**5133948**	+ CAP (PULLEY)							1			1				
6A,B,D	**5144798**	CAP (PULLEY)	1	1	1	1	1			1	1		1	1		
		+ OBSOLETE.														
		5.4235 - HUB, FAN														
6A	**5122251**	PULLEY (HUB) (3 GROOVE, 7.28" DIA.)	1						1							
6A	**5122483**	+ PULLEY (HUB) (3 GROOVE, 9.12" DIA.) (5103860)		1		1										
	5112845	+ PULLEY (HUB) (3 GROOVE, 9.12" DIA.) (5100040, SD-291)			1											
6A,B	**5128367**	+ PULLEY (HUB) (3 GROOVE, 12" DIA.) (5103969)					1									
6A	**5100040**	+ PULLEY (HUB) (3 GROOVE, 9.12" DIA.) (5103884)						1								
6D	**5100208**	+ PULLEY (HUB) (2 GROOVE, 6.24" DIA.) (5103345)								1		1				
6D	**5100209**	+ PULLEY (HUB) (2 GROOVE, 7.50" DIA.) (5103346)											1			
	5140364	PULLEY (HUB) (3 GROOVE, 7.28" DIA.) (1.3310)												1		
6A	**5108233**	+ PULLEY (HUB) (3 GROOVE, 7.50" DIA.) (5103967)									1					
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.														

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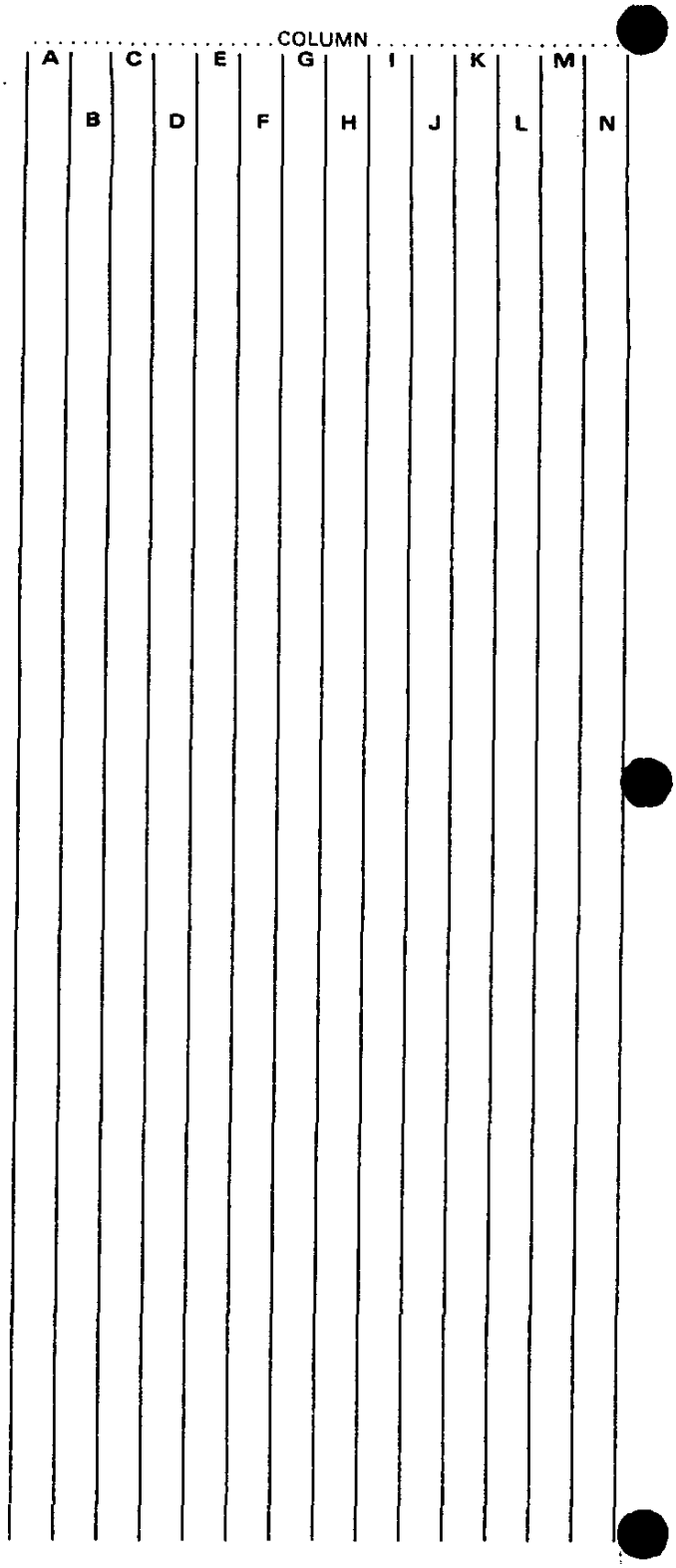
5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION

5.4235 - HUB, FAN (CONT'D)

PARENTHESES.
* NOT SERVICED USE 5101000, 5100916, 455322 AND 9411010,
@ NOT SERVICED, USE 5103346 & 191758.



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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.4015 - PULLEY AND HUB ASSY., FAN														
	5137616	+ PULLEY ASSY. (5103344)		1												
	5140353	PULLEY ASSY.			1											
	5140503	* PULLEY ASSY. (POLY V.)				1										
	5140504	* PULLEY ASSY.					1									
	5100983	* PULLEY ASSY.						1								
	5141085	PULLEY ASSY. (POLY V.)							1							
6E	**5142150**	PULLEY ASSY. (POLY V.)								1						
	5142149	PULLEY ASSY. (POLY V.)									1					
	5138020	+ PULLEY ASSY. (5103968)										1				
	5108203	PULLEY ASSY.											1			
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.														
		* OBSOLETE.														
		5.4090 - BRACKET, FAN SHAFT														
		A BRACKET ASSY. INCLUDES FAN SHAFT WHICH IS NOT SERVICED SEPARATELY, AND SNAP RING IN 5.4140.														
6A	**5129474**	+ BRACKET	1				1					1				
6A	**5131944**	BRACKET (INTEGRAL SHAFT)		1				1								
6A	**5140343**	BRACKET ASSY.			1											
6A	**5100042**	@ BRACKET ASSY. (5103884)				1										
6A	**5141083**	BRACKET (INTEGRAL SHAFT)							1	1	1					
6A	**220470**	BOLT, 7/16"-12X1 3/4" (12.9001)						4	4	4	4					
6A	**427564**	BOLT, 7/16"-14X1 3/8" (12.9001)		4			4									
6A	**100040**	BOLT, 7/16"-20X1 3/8" (12.9001)		4												
6A,B	**186725**	BOLT, 1/2"-13X1 1/2" (12.9001)	4													
6A,B	**9409053**	BOLT, 1/2"-13X1 1/2" (12.9001)			4	4	4					4	2			
	5131978	WASHER, .53"I.D.X1"O.D.			4	4	4					4	2			
6A	**5108436**	WASHER, 7/16" (12.9190)		4				4								
	103343	WASHER, 1/2" (12.9190)	4													
6A	**5133981**	WASHER, 19/32" (1.1001)							4	4	4					
6A	**103322**	LOCKWASHER, 7/16" (12.9200)		4				4								
	103323	LOCKWASHER, 1/2" (12.9200)	4													
		+ SEE ASSY. SUPERSESSIONS FOR SERVICE REPLACEMENT.														
		@ NOT SERVICED, USE NUMBER IN PARENTHESES.														
		5.4100 - SHAFT, FAN														
6A	**5122238**	+ SHAFT	1													
	5103886	SHAFT											1			
6A,B	**103385**	PIN 1/8"X1 1/4" COTTER (12.9250)	1		1	1	1					1				
6A	**5188194**	RING, SNAP (1.350"I.D.)	1				1					1				
6A,B	**122797**	NUT, 5/8"-18 HEX. SLOTTED (12.9130)	1		1	1	1					1				
		+ SEE ASSY. SUPERSESSIONS FOR SERVICE REPLACEMENT.														
		5.4110 - BEARING, FAN SHAFT														
6A,B	**908208**	BEARING (OUTER) (N.D. XB-21770)	1		1	1	1					1				
	907278	BEARING (INNER) (N.D. Z97509LR1B)	1				1					1				
6D	**7450630**	BEARING (REAR)		1				1								
6D	**9415132**	BEARING (FRONT)		1				1								

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.4110 - BEARING, FAN SHAFT (CONT'D)														
6A,B	**908508**	BEARING (OUTER)			1	1										
	954373	BEARING											1			
6E	**9427139**	BEARING							2	2	2					
	7455625	BEARING (OUTER) (INNER)											2			
	191758	FITTING, 1/8" (12.9540)											1			
6D	**5131095**	BAFFLE, GREASE		1				1								
6D	**5131124**	SHIM (.015")		AR				AR								
6D,E	**5141089**	SHIM (.015")							AR	AR	AR					
6D	**5131205**	SHIM (.020")		AR				AR								
6D,E	**5141163**	SHIM (.020")							AR	AR	AR					
6D	**5131206**	SHIM (.025")		AR				AR								
6D,E	**5141162**	SHIM (.025")							AR	AR	AR					
		5.4140 - RETAINER, FAN SHAFT BEARING														
6A,B	**274746**	RING, LOCK (5.4235)	1		1	1	1					1				
	9418788	RING, SNAP											1			
6E	**5141496**	LOCKNUT, BEARING (12.9719)							1	1	1					
6D	**9409060**	BOLT, 1/2"-20X1 1/2" LOCK (12.9001)		1				1								
	9409129	BOLT, 1/2"-20X1 1/2" (12.9001)											1			
	5131123	WASHER, 33/64"I.D.X1.50"O.D.X.32"		1				1								
	5103624	WASHER											1			
		5.4150 - SEAL, FAN SHAFT														
6D	**5108219**	SEAL, OIL		1												
	5100408	SEAL, OIL						1								
6E	**5141050**	SEAL, OIL							1	1	1					
	5103623	SEAL, OIL											1			
		5.4170 - SPACER, FAN SHAFT BEARING														
6D	**5131122**	SPACER		1				1								
6D,E	**5141087**	SPACER							1	1	1					
		5.4180 - CAP AND SPACER, FAN HUB														
6A,B,E	**5142146**	CAP (PULLEY) (4.50" DIA.)	1		1		1		1	1	1	1				
6A,B,D	**5144798**	CAP (PULLEY)		1				1								
6A,B	**5122250**	CAP (PULLEY)				1										
	5103625	CAP (PULLEY)											1			
	455322	FITTING, 1/8" (12.9540)											1			
		5.4235 - HUB, FAN														
6A	**5122251**	+ PULLEY (HUB) (3 GROOVE, 7.28" DIA.) (5103966)	1													
6D	**5100209**	+ PULLEY (HUB) (2 GROOVE, 7.50" DIA.) (5103346)		1												
6A,B	**5140316**	PULLEY (HUB) (3 GROOVE, 12" DIA.)			1											
	5140363	& PULLEY (HUB) (POLY-V, 10 GROOVE, 9.12" DIA.)				1										
	5140364	& PULLEY (HUB) (3 GROOVE, 7.28" DIA.) (1.3310)					1									
6B	**5137562**	+ PULLEY (HUB) (3 GROOVE, 7.50" DIA.) (5103594)						1								
	5141086	PULLEY (HUB) (POLY-V, 11 GROOVE, 14.50" DIA.)							1							

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	5.4235	**- HUB, FAN (CONT'D)**														
	5103887	PULLEY (HUB) 3 GROOVE 9.12 DIA.											1			

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	5.4235	**- HUB, FAN (CONT'D)**														
	5142067	PULLEY (HUB) (POLY-V, 11 GROOVE, 11" DIA.)								1						
6E	**5142145**	PULLEY (HUB) (POLY-V, 11 GROOVE, 13.5" DIA.)									1					
	5138339	– PULLEY (HUB) (3 GROOVE, 9.75" DIA.) (5103968)										1				

– NOT SERVICED. USE PART NUMBER IN PARENTHESES.
& OBSOLETE.

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M
		5.4015 - PULLEY AND HUB ASSY., FAN													
	5104352	PULLEY ASSY.	1												
	5103568	PULLEY ASSY.		1											
	5103966	PULLEY ASSY.			1										
	5103860	PULLEY ASSY.				1									
	5103968	PULLEY ASSY.					1								
	5106130	PULLEY ASSY.								1					
	5103884	PULLEY ASSY.						1							
	5103969	PULLEY ASSY.							1						
	5103622	PULLEY ASSY.									1				
	5103966	PULLEY ASSY.										1			
	5104035	PULLEY ASSY.											1		
	8923596	PULLEY ASSY.												1	
	5108203	PULLEY ASSY.													1
	9409053	BOLT, 1/2"-13 X 1 1/2" LKG. (12.9001)	2	2				2	2		2	4	2		2
	5131978	WASHER, .53" X 1.00" FLAT (1.5001)	2	2				2	2		2	4	2		2
		5.4090 - BRACKET, FAN SHAFT													
	5141083	BRACKET												1	
		5.4100 - SHAFT, FAN													
	5103609	SHAFT, 4 SLOTS-.58"X2.52"	1	1							1				
	5103868	SHAFT, 4 SLOTS-.58"X2.52"			1	1	1		1			1			
	5103886	SHAFT, 4 SLOTS-.58"X2.52"						1					1		1
	5103368	SHAFT, 4 SLOTS-.52"X2.20"								1					
		5.4110 - BEARING, FAN SHAFT													
	954373	BEARING, BALL	1	1				1			1		1		1
	7455625	BEARING ASSY.	1	1				1			1		1		1
	7455596	BEARING			1	1	1		1	1		1			
	903206	BEARING, BALL (1.7655)			1	1	1		1	1		1			
	9427139	BEARING												2	
	191758	FITTING, 1/8" (12.9540)	1	1	1	1	1	1	1	1	1	1	1		1
	5141089	SHIM (.015")												AR	
	5141163	SHIM (.020")												AR	
	5141162	SHIM (.025")												AR	
	8922222	NUT, BEARING LOCK												1	
		5.4140 - RETAINER, FAN SHAFT BEARING													
	9418788	RING, SNAP	1	1				1			1		1		1
	9422755	RING, SNAP			1	1	1		1	1		1			
	9409129	BOLT, 1/2"-20X1 3/4" (12.9001)	1	1				1			1		1		1
	9409060	BOLT, 1/2"-20X1 1/2" LKG. (12.9001)			1	1	1		1	1		1			
	5103624	WASHER, SPECIAL	1	1				1			1		1		1
	5104317	WASHER, SPECIAL (5.4235)			1	1	1		1	1		1			
		5.4150 - SEAL, FAN SHAFT													
	5103623	SEAL	1	1				1			1		1		1
	5103951	SEAL			1	1	1		1	1		1			
	5141050	SEAL, 3.20" LIP DIA. X 4.508" O.D.												1	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M
		5.4170 - SPACER, FAN SHAFT BEARING													
6D,E	**5141087**	SPACER, 2.508" I.D. X 2.90" O.D.												1	
		5.4180 - CAP AND SPACER, FAN HUB													
	5103625	CAP (PULLEY)	1	1							1				1
	5100890	CAP (PULLEY)			1	1	1		1	1		1			
	5103882	CAP (PULLEY)						1					1		
	5142146	CAP (PULLEY)												1	
	455322	FITTING, 1/8" (12.9540)	1	1	1	1	1	1	1	1	1	1	1	1	1
		5.4235 - HUB, FAN													
	5104290	PULLEY (HUB) (3 GROOVE, 9.12 DIA.)	1												
	5103617	PULLEY (HUB) (3 GROOVE, 12.00 DIA.)		1											
	5103863	PULLEY (HUB) (3 GROOVE, 7.28 DIA.)			1										
	5103862	PULLEY (HUB) (3 GROOVE, 9.12 DIA.)				1									
	5103865	PULLEY (HUB) (3 GROOVE, 9.75 DIA.)					1								
	5103887	PULLEY (HUB) (3 GROOVE, 9.12 DIA.)						1							1
	5103866	PULLEY (HUB) (3 GROOVE, 12.00 DIA.)							1						
	5103374	PULLEY (HUB) (2 GROOVE, 9.75 DIA.)								1					
	5103616	PULLEY (HUB) (3 GROOVE, 10.40 DIA.)									1				
	5103888	PULLEY (HUB) (3 GROOVE, 11.2 DIA.)											1		
	8923542	PULLEY (HUB) (3 GROOVE, 9.12" DIA.)												1	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M
		5.4235 - HUB, FAN													
	5104290	PULLEY (HUB) (3 GROOVE, 9.12 DIA.)	1												
	5103617	PULLEY (HUB) (3 GROOVE, 12.00 DIA.)		1											
	5103863	PULLEY (HUB) (3 GROOVE, 7.28 DIA.)			1										
	5103862	PULLEY (HUB) (3 GROOVE, 9.12 DIA.)				1									
	5103865	PULLEY (HUB) (3 GROOVE, 9.75 DIA.)					1								
	5103887	PULLEY (HUB) (3 GROOVE, 9.12 DIA.)						1							
	5103866	PULLEY (HUB) (3 GROOVE, 12.00 DIA.)							1						
	5103374	PULLEY (HUB) (2 GROOVE, 9.75 DIA.)								1					
	5103616	PULLEY (HUB) (3 GROOVE, 10.40 DIA.)									1				
	5103888	PULLEY (HUB) (3 GROOVE, 11.2 DIA.)											1		
	8923542	PULLEY (HUB) (3 GROOVE, 9.12" DIA.)												1	

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5.4000B FAN SHROUD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 26	42	43	44	46	55	61	63
		5.4560 - SHROUD, FAN								
4B	5198082	@ * SHROUD (YOUNG #197908)				1	1			
4B	5196583	& * SHROUD (PERFEX #A61379)				1	1			
4B	5109586	# SHROUD						1		
	5194058	& * CLIP (PERFEX #G21214)				4	4			
	5198083	@ * CLIP (YOUNG #A87943)				4	4			
	5109580	# CLIP						4		
	113954	& * SCREW, 1/4"-20X3/8" RD. HD. SLOTTED (12.9025)				8	8			
	179816	BOLT, 5/16"-18X3/4" (12.9001)						8		
	103320	LOCKWASHER, 5/16" (12.9200)						8		
	120376	NUT, 5/16"-18 HEX. (12.9120)						8		
		* PART OF 5123784 AND 5125285 RADIATOR ASSY. IN 5.3001.								
		@ EFFECTIVE WITH 8VA-13061.								
		& THRU 8VA-13060.								
		# PART OF 5123783 AND 5124077 RADIATOR ASSYS. IN 5.3001.								
		5.4580 - GUARD, FAN								
@	5124609	GUARD ASSY.		1						
@	5124143	GUARD ASSY.			1					
@	5123804	GUARD ASSY.				1			1	1
	179816	BOLT, 5/16"-18X3/4" (12.9001)		8						
	181596	BOLT, 5/16"-24X7/8" (12.9001)			8	8			8	8
	120393	WASHER, 5/16" FLAT (12.9190)			8	8			8	8
	103320	LOCKWASHER, 5/16" (12.9200)		8	8	8			8	8
		@ FIG. 10B OF 8.0000.								
		5.4620 - ADAPTOR, AIR DUCT								
	5181750	ADAPTOR	1							
	149501	SCREW, #14-10X5/8" TAPPING (12.9066)	10							
	122119	BOLT, 3/8"-16X3/4" (12.9001)	4							
	103319	LOCKWASHER, 3/8" (12.9200)	4							

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 285	286	287	288	289	310	311	312	334	335	337	338
		5.5001 - TANK, EXPANSION												
10A,7C	5117713	TANK	1				1	1	1		1	1	1	1
7B	5185283	TANK		1	1	1				1				
	148344	DRAINCOCK, 1/4" (12.9510)		1	1					1				
	5142549	PLUG, 3/4" PIPE (12.9550)		2	2					2				
	5111798	PLUG, 1" PIPE (12.9550)		1	1	1				1				
	5117186	PLUG, 2" CUP (1.2001)	2				2	2	2		2	2	2	2
		5.5003 - CORE, HEAT EXCHANGER												
	5122277	* CORE	1					1	1					
7B	8509553	CORE		1	1					1		1	1	1
7C	5130405	CORE												
		* NOT SERVICED; USE 5130405, INCLUDE 1-5108819 INLET IN 5.5030.												
		5.5010 - ELECTRODE, HEAT EXCHANGER												
7C,10A	8517479	ELECTRODE ASSY. (INCLUDES 2 1/8" ELECT.)	1	1	1			1						
	8515841	ELECTRODE ASSY. (INCLUDES 2 1/8" ELECT.)		1	1									
7B,10A	8515850	ELECTRODE ASSY. (INCLUDES 3 3/8" ELECT.)	2	1	1			2	2	1		3	3	2
	8517480	ELECTRODE (2 1/8"L.)	1	1	1			1						
	8515842	ELECTRODE (2 1/8"L.)		1	1									
	8515851	ELECTRODE (3 3/8"L.)	2	1	1			2	2	1		3	3	2
		5.5020 - COVER, EXPANSION TANK												
	5188862	+ COVER (OIL COOLER CAVITY) (4.4060)								1				
	186629	BOLT, 5/16"-18X1" (12.9001)								8				
	103320	LOCKWASHER, 5/16" (12.9200)								8				
		+ NOT SERVICED; USE 5107975 & 2-5142549.												
		5.5025 - RETAINER, HEAT EXCHANGER SEAL												
7B	5167766	RETAINER		1	1					1				
7B,C	5117339	RETAINER	1					1	1			1	1	1
		5.5026 - SEAL, HEAT EXCHANGER												
7B,C	5119660	SEAL	2					2	2			2	2	2
7B,C	5167746	SEAL		2	2					2				

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 285	286	287	288	289	310	311	312	334	335	337	338
		5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER												
7B,C	5117334	GLAND	1					1	1			1	1	1
7B,C	5167745	GLAND		1	1					1				
		5.5030 - COVER, HEAT EXCHANGER												
	5148336	COVER					1							
7B,10A	5122634	COVER (INLET)	1					1	1					
7B,C	5167741	COVER (OUTLET)		1	1					1				
7B,C	5146276	COVER (INLET)		1	1					1				
	5186976	COVER (BLANK)				1								
	5117674	COVER (INLET) (5.5020)				1								
	5117440	COVER (BLANK) (5.5020)					1				1			
	5117442	COVER (INLET) (5.5020)					1							
	5122950	COVER (INLET) (5.5020)									1			
7C,10A	5108819	COVER (INLET)										1	1	1
7B	103647	DRAINCOCK, 1/4" (12.9510)	1					1	1			2	2	1
	113175	PLUG, 1/4" BRASS PIPE (12.9550)		2	2				1	2				
10A,B	113177	PLUG, 3/4" BRASS PIPE (12.9550)		1	1					1				
7C	179816	BOLT, 5/16"-18X3/4" (12.9001)					28				28			
	179839	BOLT, 3/8"-16X1" (12.9001)					4							
7B,C	186629	BOLT, 5/16"-18X1" (12.9001)	28					28	28			28	28	28
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				20								
7B,C	186624	BOLT, 5/16"-12X1 1/4" (12.9001)		10	10					10				
7B,C	186643	BOLT, 5/16"-12X2 1/16" (12.9001)		10	10					10				
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)					4							
		5.5050 - GASKET, HEAT EXCHANGER COVER												
7B,C	5117406	GASKET	3				2	3	2		3	3	3	3
	5167764	GASKET		3	3	2				3				
	5122975	GASKET (5.3321)					1							
		5.5070 - BRACKET, HEAT EXCHANGER MTG.												
	5131752	BRACKET (UPPER)	1				1	1	1					1
	5140559	BRACKET (LOWER)	1				1	1	1					1
	5122425	BRACKET (UPPER)		1	1	1				1				
	5122456	BRACKET (LOWER)		1	1	1				1				
	5129715	BRACKET (LOWER, LEFT BANK)									1	1	1	
	5129716	* BRACKET (SD-38)									1	1	1	
	5100007	BRACKET (UPPER)									2	2	2	
	5125720	STUD, 1/2"-13-20X2 3/16"	2				2		2					2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		2	2	2				2				
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)									4	4	4	
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)									2	2	2	

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2855	2856	2857	2858	2859	3110	3111	3112	3334	3335	3337	3338
		5.5070 - BRACKET, HEAT EXCHANGER MTG. (CONT'D)												
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)									2	2	2	
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)	2				2	2	2		2	2	2	2
	179893	BOLT, 1/2"-13X3" (12.9001)		2	2	2				2				
	187152	BOLT, 1/2"-13X5" (12.9001)	1	1	1	1	1	1	1	1				1
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)	1	1	1	1	1	1	1	1				1
	271570	BOLT, 5/8"-11X4" (12.9001)	2				2	2	2					2
	223446	BOLT, 5/8"-11X4 1/2" (12.9001)		2	2	2				2				
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR				AR				
	103322	LOCKWASHER, 7/16" (12.9200)									AR	AR	AR	
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR				AR
	103028	NUT, 1/2"-20 HEX. (12.9120)	2				2	2	2					2
		* NO LONGER AVAILABLE FOR SERVICE. CUSTOMER TO FABRICATE USING 5131184.												
		5.5120 - NECK, EXPANSION TANK FILLER												
7B,C	5118060	NECK	1	1	1	1	1	1	1	1	1	1	1	1
		5.5130 - GASKET, EXPANSION TANK FILLER NECK												
7B,C	5118061	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		5.5140 - CAP, EXPANSION TANK												
7B,10A	850795	CAP	1	1	1	1	1	1	1	1	1	1	1	1
		5.5190 - TUBE, EXPANSION TANK OVERFLOW												
10A	5158825	TUBE (DEV. L. 4 1/4") (2.2300)	1				1	1	1		1	1	1	1
10A	5125757	TUBE (DEV. L. 19.60")		1	1	1				1				
10A	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)					1	1	1		1	1	1	1
10A	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)		1	1	1				1				
		5.5200 - CLIP, EXPANSION TANK OVERFLOW TUBE												
	3290459	CLIP (2.5220)		1	1	1				1				
		5.5377 - TUBE, RAW WATER PUMP INLET												
10D	5114776	ELBOW (3.75"L.)		1	1									
10D	5123361	ELBOW (7.16"L.)	1	1	1			1						
10D	5119645	ELBOW (1.25"L.)										1	1	

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 285	286	287	288	289	310	311	312	334	335	337	338
		5.5377 - TUBE, RAW WATER PUMP INLET (CONT'D)												
	180121	BOLT, 3/8"-16X7/8" (12.9001)	2	2	2			2						
	179839	BOLT, 3/8"-16X1" (12.9001)										2	2	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR			AR				AR	AR	
		5.5378 - GASKET, WATER FLANGE (AT RAW WATER PUMP)												
	5115395	GASKET (5.5410)	2	2	2			2	1					
	5112143	GASKET			2			2				1	2	
		5.5380 - TUBE, RAW WATER PUMP OUTLET												
10A	5122686	TUBE	1											
10D	5122658	TUBE		1	1				1					
	5125814	TUBE						1						
	5108684	@ TUBE										1	1	
	5125911	CONNECTION						1						
	5163824	* HOSE (2"I.D.X2") (5.3330)						1						
10A	5112011	BRACKET, CLIP (5.2190)	1											
	5125801	BRACKET						1						
	5100253	@ BRACKET											1	
10A	5118351	CLIP (12.9635)	1					1						
	5121608	CLIP (5.2190)											1	
	5182628	SPACER (12.4065)											1	
	5186841	CLAMP, 2 1/2" DIA. HOSE (12.9660)						2						
	113177	PLUG, 3/4" PIPE (BRASS) (12.9550)						1				1		
10A	179816	BOLT, 5/16"-18X3/4" (12.9001)	1											
	180121	BOLT, 3/8"-16X7/8" (12.9001)	2	2	2			2	2				1	
	190911	BOLT, 3/8"-16X2 7/8" (12.9001)										2	2	
	181361	BOLT, 3/8"-24X7/8" (12.9001)						1						
	186627	BOLT, 3/8"-24X1" (12.9001)											1	
	179857	BOLT, 7/16"-14X7/8" (12.9001)											1	
	5164360	WASHER (6.1001)											1	
	120393	WASHER, 5/16" FLAT (12.9190)	1											
	103341	WASHER, 3/8" FLAT (12.9190)						1					1	
	103320	LOCKWASHER, 5/16" (12.9200)	1											
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR			AR	AR				AR	
	103322	LOCKWASHER, 7/16" (12.9200)											1	
	120376	NUT, 5/16"-18 HEX. (12.9120)	1											
	117049	NUT, 3/8"-24 HEX. (12.9120)						1						
		* NOT SERVICED, USE BULK HOSE IN PARENTHESES CUT TO DESIRED LENGTH												
		@ OBSOLETE												
		5.5430 - TUBE, HEAT EXCHANGER INLET (INTERMEDIATE)												
	5122618	TUBE (21 15/32"L.)		1										
10D	5122617	TUBE (27 7/64"L.)			1				1					
	5125803	* TUBE (33.52"L.)						1						

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 285	286	287	288	289	310	311	312	334	335	337	338
		5.5430 - TUBE, HEAT EXCHANGER INLET (INTERMEDIATE)(CONT'D)												-
	5109110	TUBE (70 1/2" DEV. L.)										1	1	
	5125911	CONNECTION						1						
	5163824 @	HOSE (2"I.D.X2") (5.3330)						1				2		
	5177221	HOSE (2 3/4"I.D.X3"L.) (5.3290) (5199782)											2	
	5186841	CLAMP, HOSE (1 9/16"-2 1/2" DIA.) (12.9660)						2				4		
	5188036	CLAMP, HOSE (2 9/16"-3 1/2" DIA.) (12.9660)											4	
	5176400	BRACKET (4.8010)										1		
	5110881	CLIP (5.2190)										1		
	5160629	SPACER, 5/8"O.D.X.109" THK. X 7/32" (4.2270)										1		
	186619	BOLT, 3/8"-16X1 3/8" (12.9001)										1		
		* OBSOLETE												
		@ NOT SERVICED, USE BULK HOSE SHOWN IN PARENTHESES CUT TO DESIRED LENGTH												
		5.5440 - TUBE, HEAT EXCHANGER WATER INLET												
7B,10D	5122659	TUBE (14.72" DEV. L.)		1	1				1					
10D	5108569	TUBE										1		
7B	5119878 *	FLANGE (5.5550)								1				
	5173022	BRACKET, CLIP										1		
	5110881	CLIP (5.2190)										1		
	186629	BOLT, 5/16"-18X1" (12.9001)		4	4					4				
	181360	BOLT, 3/8"-24X3/4" (12.9001)										1		
	188146	BOLT, 3/8"-24X4 5/8" (12.9001)										1		
	103341	WASHER, 3/8" FLAT (12.9190)										1		
	103320	LOCKWASHER, 5/16" (12.9200)		4	4					4				
	103321	LOCKWASHER, 3/8" (12.9200)										1		
	117049	NUT, 3/8"-24 HEX. (12.9120)										1		
		* USE ONLY WHEN RAW WATER PUMP IS NOT SPECIFIED.												
		5.5460 - GASKET, HEAT EXCHANGER WATER INLET TUBE												
7B	5158747	GASKET		1	1					1				
		5.5470 - HOSE, HEAT EXCHANGER WATER INLET TUBE												
10D	5163824 @	HOSE (2"I.D.X2"L.) (5199778)										1		
10D	5173450 @	HOSE (2"I.D.X2 1/2"L.) (5199778) (5.3330)		2	2				2					

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 285	286	287	288	289	310	311	312	334	335	337	338
		5.5470 - HOSE, HEAT EXCHANGER WATER INLET TUBE(CONT'D)												
10A	**5163815**	@ HOSE (2"I.D.X4 1/2"L.) (5199778) (5.3330)	1					1						
		@ NOT SERVICED, USE PART NUMBER SHOWN CUT TO DESIRED LENGTH												
		5.5480 - CLAMP, HEAT EXCHANGER WATER INLET TUBE												
10A	**5186841**	CLAMP, 2 1/2 DIA. HOSE (12.9660)	2		4			2	2			2		
10A	**9139809**	CLAMP, 2 1/2 DIA. HOSE (12.9660)		4										
		5.5550 - TUBE, HEAT EXCHANGER WATER OUTLET												
7B,10B	**5123741**	FLANGE	1					1	1					1
7B	**5119878**	FLANGE		1	1					1				
	5117348	FLANGE										1	1	
7C,10B	**186629**	BOLT, 5/16"-18X1" (12.9001)	6	4	4			6	6	4		6	6	6
7C	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR			AR	AR	AR		AR	AR	AR
		5.5570 - GASKET, HEAT EXCHANGER WATER OUTLET TUBE												
7B	**5158747**	GASKET (5.5460)		1	1					1				

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 341	344	346	350	353	354	358	359	362	363	365	369
		5.5001 - TANK, EXPANSION												
		▪ FOR TYPE 364 USE TYPE 415.▪												
7C,10A	**5117713**	TANK	1	1	1	1		1	1	1		1	1	1
7B	**5185283**	TANK					1							
	148344	DRAINCOCK, 1/4" (12.9510)					1							
	5142549	PLUG, 3/4" PIPE (12.9550)					2							
	5111798	PLUG, 1" PIPE (12.9550)					1							
	5117186	PLUG, 2" CUP (1.2001)	2	2	2	2		2	2	2	2	2	2	2
		5.5003 - CORE, HEAT EXCHANGER												
7B	**8509553**	CORE					1							
7C	**5130405**	CORE	1	1	1	1								
	8532343	CORE						1	1	1	1		1	1
		5.5010 - ELECTRODE, HEAT EXCHANGER												
7C,10A	**8517479**	ELECTRODE ASSY. (INCLUDES 2 1/8" ELECT.)	1	1		1	1	1						
7B,10A	**8515850**	ELECTRODE ASSY. (INCLUDES 3 3/8" ELECT.)	2	2	2	2	1	2	3	2	2		3	2
	8517480	ELECTRODE (2 1/8"L.)	1	1		1	1	1			1			
	8515851	ELECTRODE (3 3/8"L.)	2	2	2	2	1	2	3	2	2			2
		5.5025 - RETAINER, HEAT EXCHANGER SEAL												
7B	**5167766**	RETAINER					1							
7B,C	**5117339**	RETAINER	1	1	1	1								
		5.5026 - SEAL, HEAT EXCHANGER												
7B,C	**5119660**	SEAL	2	2	1	2								
7B,C	**5167746**	SEAL					2	4	4	4	4		4	4
		5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER												
7B,C	**5117334**	GLAND	1	1	1	1								
7B,C	**5167745**	GLAND					1	2	2	2	2		2	2
		5.5030 - COVER, HEAT EXCHANGER												
	5148336	COVER						1			1	1	1	1
7C,10A	**5122634**	COVER (INLET)						1	1	1	1		1	1
7B,C	**5167741**	COVER (OUTLET)					1							

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 341	344	346	350	353	354	358	359	362	363	365	369
		5.5030 - COVER, HEAT EXCHANGER (CONT'D)												
7B,C	5146276	COVER (INLET)					1							
	5117440	COVER (BLANK) (5.5020)										1		
	5122950	COVER (INLET) (5.5020)										1		
7C,10A	5108819	COVER (INLET)	1	1	1	1								
7B,C	5130199	COVER (OUTLET) (5.5025)						1	1	1	1		1	1
7B	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1		1	3	2	1		1	1
	113175	PLUG, 1/4" BRASS PIPE (12.9550)					2							
10A,B	113177	*PLUG, 3/4" BRASS PIPE (12.9550)*					1							
7C	179816	BOLT, 5/16"-18X3/4" (12.9001)										28		
	179839	BOLT, 3/8"-16X1" (12.9001)						4			4	4	4	4
7B,C	186629	BOLT, 5/16"-18X1" (12.9001)	28	28	28	28		28	28	28	28		28	28
7B,C	186624	BOLT, 5/16"-12X1 1/4" (12.9001)					10							
7B,C	186643	BOLT, 5/16"-12X2 1/16" (12.9001)					10							
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)						4			4	4	4	4
		5.5050 - GASKET, HEAT EXCHANGER COVER												
7B,C	5117406	GASKET	3	3	3	3		3	3	3	3	2	3	3
	5167764	GASKET					3							
	5122975	GASKET (5.3321)						1			1	1	1	1
		5.5070 - BRACKET, HEAT EXCHANGER MTG.												
	5131752	BRACKET (UPPER)	1	1		1		1			1			
	5140559	BRACKET (LOWER)	1	1		1		1			1			
	5122425	BRACKET (UPPER)					1							
	5122456	BRACKET (LOWER)					1							
	5129715	BRACKET (LOWER, LEFT BANK)			1				1	1		1	1	
	5129716	* BRACKET (SD-38)			1				1	1				1
	5131184	BRACKET (LOWER, RIGHT BANK)										1	1	1
	5100007	BRACKET (UPPER)			2				2	2		2	2	2
	5125720	*STUD, 1/2"-13-20X2 3/16"*	2	2				2						
	5144598	STUD, 1/2"-20X1 15/16" (12.9117)				2					2			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					2							
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)			4				4	4		4	4	4
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)			2				2	2				
	454938	BOLT, 7/16"-14X3 3/4" (12.9001)										2	2	2
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)			2				2	2		2	2	2
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)											2	
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)	2	2	2	2		2	2	2	2	2	2	2
	179893	BOLT, 1/2"-13X3" (12.9001)					2							
	187152	BOLT, 1/2"-13X5" (12.9001)	1	1		1	1	1			1			
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)	1	1		1	1	1			1			
	271570	BOLT, 5/8"-11X4" (12.9001)	2	2		2		2			2			
	223446	BOLT, 5/8"-11X4 1/2" (12.9001)					2							

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 341	344	346	350	353	354	358	359	362	363	365	369
		5.5070 - BRACKET, HEAT EXCHANGER MTG. (CONT'D)												
	5150568	WASHER, 7/16"X3/4" (COPPER)										4	4	
	103321	LOCKWASHER, 3/8" (12.9200)					AR							
	103322	LOCKWASHER, 7/16" (12.9200)			AR				AR	AR				AR
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR		AR	AR	AR			AR			
	103028	NUT, 1/2"-20 HEX. (12.9120)	2	2		2		2			2			
		* NO LONGER AVAILABLE FOR SERVICE. CUSTOMER TO FABRICATE USING 5131184.												
		5.5120 - NECK, EXPANSION TANK FILLER												
7B,C	5118060	NECK	1	1	1	1	1	1	1	1	1	1	1	1
		5.5130 - GASKET, EXPANSION TANK FILLER NECK												
7B,C	5118061	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		5.5140 - CAP, EXPANSION TANK												
7B,10A	850795	CAP	1	1	1	1	1	1	1	1	1	1	1	1
		5.5190 - TUBE, EXPANSION TANK OVERFLOW												
10A	5158825	TUBE (DEV. L. 4 1/4") (2.2300)	1	1	1	1		1	1	1	1	1	1	1
10A	5125757	TUBE (DEV. L. 19.60")					1							
10A	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1		1	1	1	1	1	1	1
		5.5200 - CLIP, EXPANSION TANK OVERFLOW TUBE												
	3290459	CLIP (2.5220)					1							
		5.5377 - TUBE, RAW WATER PUMP INLET												
10D	5123361	ELBOW (7.16"L.)	1	1		1	1	1			1			
10D	5119645	ELBOW (1.25"L.)							1				1	
	180121	BOLT, 3/8"-16X7/8" (12.9001)	2	2		2	2	2	2		2		2	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR	AR	AR		AR		AR	
		5.5378 - GASKET, WATER FLANGE (AT RAW WATER PUMP)												
	5115395	GASKET (5.5410)		1										
	5112143	GASKET	2			2	2	2	2		2		2	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 341	344	346	350	353	354	358	359	362	363	365	369
		5.5380 - TUBE, RAW WATER PUMP OUTLET												
10A	5122686	TUBE	1	1				1						
	5125814	* TUBE				1					1			
	5108684	* TUBE							1				1	
10D	5162815	TUBE					1							
	5125911	* CONNECTION				1					1			
	5163824	HOSE (2"I.D.X2") (5.3330) (5199778)				1					1			
	5163815	HOSE (2"I.D.X4 1/2") (5.3330) (5199778)		1										
10A	5112011	BRACKET, CLIP	1	1				1						
	5125801	BRACKET				1					1			
10A	5118351	CLIP (12.9635)	1	1		1		1			1			
	113177	PLUG, 3/4" PIPE (BRASS) (12.9550)				1			1		1		1	
10A	179816	BOLT, 5/16"-18X3/4" (12.9001)	1	1				1						
	180121	BOLT, 3/8"-16X7/8" (12.9001)	2	2		2	2	2			2			
	179839	BOLT, 3/8"-16X1" (12.9001)							2				2	
	181361	BOLT, 3/8"-24X7/8" (12.9001)				1					1			
	120393	WASHER, 5/16" FLAT (12.9190)	1	1				1						
	103341	WASHER, 3/8" FLAT (12.9190)				1					1		1	
	103320	LOCKWASHER, 5/16" (12.9200)	1	1				1						
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR	AR	AR		AR		AR	
	120376	NUT, 5/16"-18 HEX. (12.9120)	1	1				1						
	117049	NUT, 3/8"-24 HEX. (12.9120)				1					1			
		* OBSOLETE.												
		5.5385 - CLAMP, RAW WATER PUMP OUTLET TUBE												
	5186841	CLAMP, 2 1/2" DIA. HOSE (12.9660)		2		2					2			
		5.5430 - TUBE, HEAT EXCHANGER INLET (INTERMEDIATE)												
10D	5122617	TUBE (27 7/64"L.)					1							
	5125803	* TUBE (33.52"L.)				1					1			
	5109110	TUBE (70 1/2" DEV. L.)							1				1	
	5125911	* CONNECTION (5.5380)									1			
	5163824	@ HOSE (2"I.D.X2") (5.3330) (5199778)							2		1		2	
	5163815	@ HOSE (2"I.D.X4 1/2") (5.3330) (5199778)				1								
	5176400	BRACKET (4.8010)							1					
	5187663	BRACKET (4.8183)											1	
	5176933	STUD (5/16"X1.44") (1.7340)											1	
	5110881	CLIP (5.2190)							1				1	
	5160629	SPACER, 5/8"O.D.X.109" THK. X 7/32" (4.2270)							1					
	186619	BOLT, 3/8"-16X1 3/8" (12.9001)							1					
	181360	BOLT, 3/8"-24X3/4" (12.9001)											1	
	103321	LOCKWASHER, 3/8" (12.9200)											1	
	117049	NUT, 3/8"-24 HEX. (12.9120)											1	

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 341	344	346	350	353	354	358	359	362	363	365	369
		5.5430 - TUBE, HEAT EXCHANGER INLET (INTERMEDIATE)(CONT'D)												
		* OBSOLETE												
		@ NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		5.5438 - CLAMP, HEAT EXCHANGER INLET TUBE (INTER)												
	5186841	CLAMP, 2 1/2" DIA. HOSE (12.9660)				2			4		2		4	
		5.5440 - TUBE, HEAT EXCHANGER WATER INLET												
7B,10D	**5122659**	TUBE (14.72" DEV. L.)					1							
10D	**5108569**	TUBE							1				1	
	5173022	BRACKET, CLIP							1				1	
	5110881	CLIP (5.2190)							1				1	
	103647	DRAINCOCK, 1/4" (12.9510)											1	
	186629	BOLT, 5/16"-18X1" (12.9001)					4							
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)											1	
	181360	BOLT, 3/8"-24X3/4" (12.9001)							1				1	
	188146	BOLT, 3/8"-24X4 5/8" (12.9001)							1					
	103341	WASHER, 3/8" FLAT (12.9190)							1				1	
	103320	LOCKWASHER, 5/16" (12.9200)					4							
	103321	LOCKWASHER, 3/8" (12.9200)							1				1	
	117049	NUT, 3/8"-24 HEX. (12.9120)							1				1	
		5.5460 - GASKET, HEAT EXCHANGER WATER INLET TUBE												
7B	**5158747**	GASKET					1							
		5.5470 - HOSE, HEAT EXCHANGER WATER INLET TUBE												
10D	**5163824**	@ HOSE (2"I.D.X2"L.) (5199778)							1				1	
10D	**5173450**	@ HOSE (2"I.D.X2 1/2"L.) (5199778) (5.3330)					2	2			2			
10A	**5163815**	@ HOSE (2"I.D.X4 1/2"L.) (5199778) (5.3330)	1											
		@ NOT SERVICED, USE PART NUMBER SHOWN CUT OT DESIRED LENGTH.												
		5.5480 - CLAMP, HEAT EXCHANGER RAW WATER INLE INLET TUBE HOSE												
	5186841	CLAMP, 2 1/2" DIA. HOSE (12.9660)	2				4	2	2		2		2	

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3411	3444	3446	3550	3553	3554	3558	3559	3562	3563	3565	3569
		5.5550 - TUBE, HEAT EXCHANGER WATER OUTLET												
7B,10B	**5123741**	FLANGE	1	1		1								
7B,C	**5119878**	FLANGE					1							
	5117348	FLANGE			1									
7B,C	**5130200**	FLANGE						1	1	1	1		1	1
	112578	PLUG, 1/4" PIPE BR. (12.9550)						1						
	5121182	PLUG, 1/4" PIPE (12.9550)									1			
	103647	DRAINCOCK, 1/4" (12.9510)											1	
7C,10B	**186629**	BOLT, 5/16"-18X1" (12.9001)	6	6	6	6	4	6	6	6	6		6	6
7C	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR
		5.5570 - GASKET, HEAT EXCHANGER WATER OUTLET TUBE												
7B,C	**5158747**	GASKET (5.5460)					1							

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 370	372	394	398	401	404	407	409	410	415	416	417
		5.5001 - TANK, EXPANSION												
	5133964	* TANK	1											
7C,10A	5117713	TANK		1										
7B	5185283	TANK			1	1	1	1	1					
	5135271	TANK (CAST IRON)								1	1			
	5162716	TANK										1	1	
	5145009	PLUG, 1/8" PIPE (12.9550)								2	2			
	5142549	PLUG, 3/4" PIPE (12.9550)			2	2	2	2	2					
	5111798	PLUG, 1" PIPE (12.9550)			1	1	1	1	1	2	2			
	5117186	PLUG, 2" CUP (1.2001)		2						2	2	2	2	2
		* OBSOLETE												
		5.5003 - CORE, HEAT EXCHANGER												
	8532343	CORE		1									1	1
7B	8509553	CORE			1	1	1	1	1	1	1			
	8536317	CORE										1		
		5.5010 - ELECTRODE, HEAT EXCHANGER												
7B	8515850	ELECTRODE ASSY. (INCLUDES 3 3/8" ELECTRODE)		2	1	1	1	1	1	1	1	2	2	2
	8515851	ELECTRODE (3 3/8"L.)		2	1	1	1	1	1	1	1	2	2	2
		5.5020 - COVER, EXPANSION TANK												
	5188862	+ COVER (4.4060)						1						
	186629	* BOLT, 5/16"-18X1" (12.9001)						8						
	103320	* LOCKWASHER, 5/16" (12.9200)						8						
		* NOT USED ON MARINE UNITS.												
		+ NOT SERVICED; USE 5107975 & 2-5142549.												
		5.5021 - GASKET, EXPANSION TANK COVER												
	5150155	* GASKET (OIL COOLER CAVITY) (4.4030)						1						
		* NOT USED ON MARINE UNITS.												
		5.5025 - RETAINER, HEAT EXCHANGER SEAL												
7B,C	5130199	RETAINER		1								1	1	1
7B,C	5167766	RETAINER			1	1	1	1	1	1	1			
	186629	BOLT, 5/16"-18X1" (12.9001)		14								14	14	14
	103320	LOCKWASHER, 5/16" (12.9200)		14								14	14	14
		5.5026 - SEAL, HEAT EXCHANGER												
7B,C	5167746	SEAL		4	2	2	2	2	2	2	2	4	4	4

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 370	372	394	398	401	404	407	409	410	415	416	417
		5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER												
7B,C	5167745	GLAND		2	1	1	1	1	1	1	1	2	2	2
		5.5030 - COVER, HEAT EXCHANGER												
7B,C	5146276	COVER (INLET)			1	1	1	1	1	1	1			
7B,C	5167741	COVER (OUTLET)			1	1	1	1	1	1	1			
	5122634	COVER (INLET)											1	
7B	114981	DRAINCOCK, 1/8" (12.9510)								1	1			
7B	148344	DRAINCOCK, 5/16" (12.9510)			1	1	1	1	1					
	113175	PLUG, 1/8" BRASS PIPE (12.9550) PLUG, 1/8" BRASS PIPE (12.9550)			2	2	2	2	2	1	1			
	112578	PLUG, 1/4" BRASS PIPE (12.9550)								1	1			
	113177	PLUG, 3/4" PIPE (12.9550)		1	1	1	1	1	1	1	1			
7C	179819	BOLT, 5/16"-18X1 1/8" (12.9001)								10	10			
7C	186624	BOLT, 5/16"-18X1 1/4" (12.9001)			10	10	10	10	10					
7C	179826	BOLT, 5/16"-18X2" (12.9001)								10	10			
7C	186643	BOLT, 5/16"-18X2 1/16" (12.9001)			10	10	10	10	10					
7C	103320	LOCKWASHER, 5/16" (12.9200)			20	20	20	20	20	20	20			
		5.5050 - GASKET, HEAT EXCHANGER COVER												
7B	5118061	GASKET	1	1										
7B	5117406	GASKET		2								2	3	3
	5167764	GASKET			3	3	3	3	3	3	3			
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING												
	5133962	* BRACKET	1											
	5133961	* BRACKET	1											
	5131752	BRACKET (UPPER)		1								1	1	1
	5140559	BRACKET (UPPER)		1										1
	5122425	BRACKET (UPPER)			1	1	1	1	1					
	5122456	BRACKET (LOWER)			1	1	1	1	1					
	5141033	BRACKET (UPPER)								1	1			
	5141041	BRACKET (LOWER)								1	1			
	5131876	BRACKET (LOWER)										1	1	
	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)	4											
	5131751	SPACER (1/2"X2" DIA.)										2	2	
	5180733	SPACER (33/64"X11/16") (7.4460)	1											
	5140976	SPACER (21/32"X1 1/4"X1 3/4")								2	2			
	5140964	SPACER (3/4"X1 1/16"X3.62")								1	1			
	5159347	SPACER (3/4"X1/2") (7.1581)	2											
	3290822	SPACER (7/8"X33/64"X1/4") (2.9320)										4	4	
	5131877	* SHIM (.005")										AR	AR	
	5131878	* SHIM (.031")										AR	AR	
	5131879	* SHIM (.062")										AR	AR	

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 370	372	394	398	401	404	407	409	410	415	416	417
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING (CONT'D)												
	5121182	PLUG, 1/4" PIPE (12.9550)										1	1	
	5125720	STUD, 1/2"-13X2 3/16"		2								2	2	2
	179839	BOLT, 3/8"-16X1" (12.9001)	2											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			2	2	2	2	2					
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	1							1				
	179851	BOLT, 3/8"-16X3" (12.9001)								2	2			
	186285	BOLT, 3/8"-16X4" (12.9001)	3											
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)	1											
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)								1	1			
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)									1			
	272404	BOLT, 7/16"-14X4 3/4" (12.9001)								1	1			
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)	1											
	179891	BOLT, 1/2"-13X2 1/2" (12.9001)		2										2
	455004	BOLT, 1/2"-13X3" (12.9001)										2	2	
	179893	BOLT, 1/2"-13X3" (12.9001)			2	2	2	2	2					
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)								1	1			
	187152	BOLT, 1/2"-13X5" (12.9001)		1	1	1	1	1	1			1	1	1
	271562	BOLT, 5/8"-11X2" (12.9001)							1		1			
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)		1	1	1	1	1	1			1	1	1
	271570	BOLT, 5/8"-11X4" (12.9001)		2								2	2	2
	428720	BOLT, 5/8"-11X4 1/2" (12.9001)			2	2	2	2	2					
	271573	BOLT, 5/8"-11X4 3/4" (12.9001)									2			
	272729	BOLT, 5/8"-11X5 1/2" (12.9001)								2				
	103321	LOCKWASHER, 3/8" (12.9200)	12		2	2	2	2	2	2	2			
	103322	LOCKWASHER, 7/16" (12.9200)								AR	AR			
	103323	LOCKWASHER, 1/2" (12.9200)		5	3	3	3	3	3	3	3	5	5	5
	103325	LOCKWASHER, 5/8" (12.9200)		3	3	3	3	3	3	3	3	3	3	3
	103028	NUT, 1/2"-20 HEX. (12.9120)		2								2	2	2
		* OBSOLETE.												
		5.5120 - NECK, EXPANSION TANK FILLER												
7B	5118060	NECK (1.69" DIA.) (WITH 2 1/16"I.D. CAP)		1	1	1	1	1	1	1	1	1	1	1
7D	5136057	* NECK (.88" DIA.)	1											
		* OBSOLETE.												
		5.5130 - GASKET, EXPANSION TANK FILLER NECK												
7D	5118061	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		5.5140 - CAP, EXPANSION TANK												
7B,D	850800	CAP	1											
7B,D	850795	CAP		1	1	1	1	1	1	1	1	1	1	1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 370	372	394	398	401	404	407	409	410	415	416	417
		5.5190 - TUBE, EXPANSION TANK OVERFLOW												
10A	5158825	TUBE (DEV. L. 4 1/4") (2.2300)		1								1	1	1
10A	5135900	TUBE (DEV. L. 17.75")								1	1			
10A	5125757	TUBE (DEV. L. 19.60")			1	1	1	1	1					
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)		1							1	1	1	1
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)			1	1	1	1	1	1				
		5.5200 - CLIP, EXPANSION TANK OVERFLOW TUBE												
	3290459	CLIP (2.5220)			1	1	1	1	1	1	1			
		5.5378 - GASKET, WATER FLANGE (AT RAW WATER PUMP)												
	5112143	GASKET			1	1	1		1	1	1	1	1	1
		5.5380 - TUBE, RAW WATER PUMP OUTLET												
10A	5122658	TUBE			1		1			1				
10A	5162815	TUBE				1			1		1			
	5134245	* TUBE										1		
	5122686	TUBE											1	
	5124071	* ELBOW												1
	5199778	HOSE (2"I.D.X4 1/2"L.) (5.3330)											1	
	5112011	BRACKET, CLIP											2	
	5118351	CLIP											2	
	113177	PLUG, 3/4" BRASS PIPE (12.9550)								1				
	179816	BOLT, 5/16"-18X3/4" (12.9001)											1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)			2	2	2		2	2	2		2	
	190911	BOLT, 3/8"-16X2 7/8" (12.9001)												2
	179851	BOLT, 3/8"-16X3" (12.9001)										2		
	120393	WASHER, 5/16" FLAT (12.9190)											1	
	103320	LOCKWASHER, 5/16" (12.9200)											1	
	103321	LOCKWASHER, 3/8" (12.9200)			2	2	2		2	2	2	2	2	2
	120376	NUT, 5/16"-18 HEX. (12.9120)											1	
	102635	NUT, 3/8"-16 HEX. (12.9120)											1	
		* OBSOLETE.												
		5.5430 - TUBE, HEAT EXCHANGER INLET (INTERMEDIATE)												
	5124230	TUBE (3.5428)										1		
	5124370	* TUBE (3.5427)												1
	5115502	TUBE (2"I.D.X19"L.)			1	1	1		1	1	1			
	5124741	TUBE (2"I.D.X23.94"L.) (3.5427)										1		1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 370	372	394	398	401	404	407	409	410	415	416	417
		5.5430 - TUBE, HEAT EXCHANGER INLET (INTERMEDIATE) (CONT'D)												
	5163824	@ HOSE (2"I.D.X2"L.) (5199778) (5.5330)										3		3
	5173450	@ HOSE (2"X2.50"L.) (5199778)			2	2	2		2	2	2			
	5177221	@ HOSE (2 3/4"I.D.X3"L.) (5199782) (5.3290)										1		3
	5126742	HOSE (2 3/4"I.D.X4.50"L.) (3.5428)		1								2		1
		@ NOT SERVICED, USE PART NUMBER SHOWN CUT TO DESIRED LENGTH.												
		* OBSOLETE.												
		5.5438 - CLAMP, HEAT EXCHANGER INLET TUBE (INTERMEDIATE)												
	5186841	CLAMP, HSOE (1 9/16"-2 1/2" DIA.) (12.9660)			4	4			4			6	2	6
	9139809	CLAMP, HSOE (2 1/16 -3 DIA.) (12.9660)					4			4	4			
	5188036	CLAMP, HOSE (2 9/16 -3 1/2 DIA.) (12.9660)		2								6		6
		5.5440 - TUBE, HEAT EXCHANGER WATER INLET												
7B	**5124231**	TUBE		1								1		1
7B	**5125538**	TUBE			1				1					
7B	**5139093**	TUBE				1	1							
7B	**5140752**	TUBE								1				
7B	**5141225**	TUBE (5.5380)									1			
	5159444	ELBOW						1						
	5173022	BRACKET, CLIP (5.5379)											1	
	103647	DRAINCOCK, 1/4" (12.9520)		1								1	1	1
	186629	BOLT, 5/16"-18X1" (12.9001)		14	4	4	4	4	4	4	4	14	14	14
	179835	BOLT, 3/8"-16X5/8" (12.9001)											1	
	103320	LOCKWASHER, 5/16" (12.9200)		14	4	4	4	4	4	4	4	14	14	14
	103321	LOCKWASHER, 3/8" (12.9200)											1	
		5.5460 - GASKET, HEAT EXCHANGER WATER INLET TUBE												
7B	**5158747**	GASKET			1	1	1	1	1	1	1			
7B	**5117704**	GASKET (5.5050)										2		
		5.5550 - TUBE, HEAT EXCHANGER WATER OUTLET												
	5135498	TUBE (5.5440)									1			
7B,C	**5130200**	TUBE		1								1	1	1
7B,C	**5139093**	TUBE (5.5440)			1				1					

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 370	372	394	398	401	404	407	409	410	415	416	417
		5.5550 - TUBE, HEAT EXCHANGER WATER OUTLET (CONT'D)												
7B,C	**5119878**	TUBE				1	1							
7B	**5136504**	TUBE (5.5440)								1				
7B	**5159444**	ELBOW (5.5440)						1						
10B	**5121182**	PLUG, 1/4" PIPE (12.9550)		1										1
10B	**186629**	BOLT, 5/16"-18X1" (12.9001)		6	4	4	4	4	4	4	4	6	6	6
	103320	LOCKWASHER, 5/16" (12.9200)		6	4	4	4	4	4	4	4	6	6	6
		5.5570 - GASKET, HEAT EXCHANGER WATER OUTLET TUBE												
7B	**5158747**	GASKET (5.5460)			1	1	1	1	1	1	1			

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 420	421	422	423	425	428	431	437	438	439	450
		5.5001 - TANK, EXPANSION											
7B,10A	5117713	TANK						1					
7B	5185283	TANK				1			1				
	5135271	TANK (CAST IRON)		1	1								
	5162716	TANK	1				1						
	5144834 #	TANK (ALUMINUM)								1	1	1	1
	5145009	PLUG, 1/8" PIPE (12.9550)		2		2				2	2	2	
	455603	PLUG, 1/8"-27 ALUM. (12.9550)											2
	5121182	PLUG, 1/4" PIPE (12.9550)							1				
	5142549	PLUG, 3/4" PIPE (12.9550)				2			2				
	5111798	PLUG, 1" PIPE (12.9550)		2	2				1	2	2	2	
	5173336	PLUG, 1" PIPE (12.9550)											2
	5117186	PLUG, 2" CUP (1.2001)					2	2					
		# NOT SERVICED. CONVERT TO TYPES SHOWN BELOW WHICH INCORPORATE CAST IRON TANK AND ATTACHING PARTS: FOR TYPE 437 USE 409; FOR TYPE 438 USE 410; FOR TYPE 439 USE 421; FOR TYPE 450 USE 422. REFER TO MODEL INDEX FOR AP PLICABLE WATER BY-PASS TUBE AND WATER CONNECTIONS.											
		5.5003 - CORE, HEAT EXCHANGER											
	8532343	CORE	1				1	1					
7B	8509553	CORE		1	1	1			1	1	1	1	1
8,C	8536555	CORE							1				
		5.5010 - ELECTRODE, HEAT EXCHANGER											
7B,C	8515850	ELECTRODE ASSY. (INCLUDES 3 3/8" ELECTRODE)	2	1	1	1	2	2	1	1	1	1	1
	8515851	ELECTRODE (3 3/8"L.)	2	1	1	1	2	2	1	1	1	1	1
		5.5025 - RETAINER, HEAT EXCHANGER SEAL											
7B,C	5130199	RETAINER	1				1	1					
7B,C	5167766	RETAINER	1	1	1				1	1	1	1	1
	186629	BOLT, 5/16"-18X1" (12.9001)	14				14	14					
	103320	LOCKWASHER, 5/16" (12.9200)	14				14	14					
		5.5026 - SEAL, HEAT EXCHANGER											
7B,C	5167746	SEAL	4	2	2	2	4	4	2	2	2	2	2

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 420	421	422	423	425	428	431	437	438	439	450
		5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER											
7B,C	**5167745**	GLAND	2	1	1	1	2	2	1	1	1	1	1
		5.5030 - COVER, HEAT EXCHANGER											
7B,C	**5146276**	COVER (INLET)		1	1	1			1	1	1	1	1
7B,C	**5167741**	COVER (OUTLET)		1	1	1			1	1	1	1	1
	5122634	COVER (INLET)					1						
7B	**114981**	DRAINCOCK, 1/8" (12.9510)		1	1					1	1	1	1
7B	**103647**	DRAINCOCK, 1/4" (12.9510)					1						
7B	**148344**	DRAINCOCK, 5/16" (12.9510)				1			1				
	113175	PLUG, 1/8" BRASS PIPE (12.9550)		1	1	2			2	1	1	1	1
	112578	PLUG, 1/4" BRASS PIPE (12.9550)		1	1								1
	113177	PLUG, 3/4" PIPE (12.9550)		1	1	1			1	1	1	1	1
7C	**186629**	*BOLT, 5/16"-18X1" (12.9001)*					14						
7C	**179819**	BOLT, 5/16"-18X1 1/8" (12.9001)		10	10								
7C	**186624**	BOLT, 5/16"-18X1 1/4" (12.9001)				10			10				
7C	**179822**	BOLT, 5/16"-18X1 1/2" (12.9001)								10	10	10	10
7C	**179826**	BOLT, 5/16"-18X2" (12.9001)		10	10								
7C	**186643**	BOLT, 5/16"-18X2 1/16" (12.9001)				10			10				
7C	**179828**	BOLT, 5/16"-18X2 1/2" (12.9001)								10	10	10	10
7C	**103320**	LOCKWASHER, 5/16" (12.9200)		20	20	20	14		20	20	20	20	20
		5.5050 - GASKET, HEAT EXCHANGER COVER											
	5167764	GASKET		3	3	3			3				
	5117406	GASKET					3	1					
7B	**5146135**	GASKET								3	3	3	3
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING											
	5131752	BRACKET (UPPER)	1				1	1					
	5140559	BRACKET (UPPER)						1					
	5122425	BRACKET (UPPER)				1			1				
	5122456	BRACKET (LOWER)				1			1				
	5141033	BRACKET (UPPER)		1	1					1	1	1	1
	5141041	BRACKET (LOWER)		1	1					1	1	1	1
	5131876	BRACKET (LOWER)	1				1						
	5142275	BRACKET	1				1						
	5145143	SPACER (13/32"X1.40")								2	2	2	2
	5108436	SPACER (15/32"X15/16"X5/32") (7.1598)	4				4						
	5131751	SPACER (1/2"X2" DIA.)	2				2						
	5140976	SPACER (21/32"X1 1/4"X1 3/4")		2	2					2	2	2	2
	5140964	SPACER (3/4"X1 1/16"X3.62")		1	1					1	1	1	1
	5100240	SHIM (.002") (5.4110)	AR				AR						
	5100239	SHIM (.005") (5.4110)	AR				AR						

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 420	421	422	423	425	428	431	437	438	439	450
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING (CONT'D)											
	5144606	SHIM (.005")	AR				AR						
	5100233	SHIM (.010") (5.4110)	AR				AR						
	5144607	SHIM (.010")	AR				AR						
	5144608	SHIM (.030")	AR				AR						
	5125720	STUD, 1/2"-13X2 3/16"						2					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				2			2				
	179851	BOLT, 3/8"-16X3" (12.9001)		2	2					2		2	2
	179860	BOLT, 7/16"-14X1 1/4" (12.9001)		1	1					1	1	1	1
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	4				4						
	179864	BOLT, 7/16"-14X1 3/4" (12.9001)		1	1							1	1
	272404	BOLT, 7/16"-14X4 3/4" (12.9001)		1	1					1	1	1	1
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)	2				2						
	179891	BOLT, 1/2"-13X2 1/2" (12.9001)						2					
	179893	BOLT, 1/2"-13X3" (12.9001)				2			2				
	9409240	BOLT, 1/2"-13X3" LOCK (12.9001)	2				2						
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)		1	1					1	1	1	1
	187201	BOLT, 1/2"-13X4 3/4" (12.9001)	1				1						
	187152	BOLT, 1/2"-13X5" (12.9001)				1		1	1				
	271562	BOLT, 5/8"-11X2" (12.9001)		1	1					1	1	1	1
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)				1		1	1				
	271564	BOLT, 5/8"-11X2 1/2" (12.9001)	1				1						
	271570	BOLT, 5/8"-11X4" (12.9001)	2				2	2					
	428720	BOLT, 5/8"-11X4 1/2" (12.9001)				2			2				
	271573	BOLT, 5/8"-11X4 3/4" (12.9001)		2	2								
	272729	BOLT, 5/8"-11X5 1/2" (12.9001)								2		2	2
	223754	BOLT, 3/4"-16X2 1/2" (12.9001)	4				4						
	5160266	BOLT, 1"-14X2 3/4" (12.9001)	2				2						
	103341	WASHER, 3/8" FLAT (12.9190)		1	1							1	1
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	2			2	2		2	2
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR		AR			AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)	5	3	3	3	5	5	3	3	3	3	3
	103325	LOCKWASHER, 5/8" (12.9200)	3	3	3	3	3	3	3	3	3	3	3
	103326	LOCKWASHER, 3/4" (12.9200)	4				4						
	103028	NUT, 1/2"-20 HEX. (12.9120)						2					
	426099	NUT, 3/4"-16 HEX. (12.9190)	4				4						
	219755	NUT, 1"-14 HEX. (12.9190)	2				2						
		5.5120 - NECK, EXPANSION TANK FILLER											
7B	5118060	NECK (1.69" DIA.) (WITH 2 1/16"I.D. CAP)					1	1	1	1	1	1	1
		5.5130 - GASKET, EXPANSION TANK FILLER NECK											
7D	5118061	GASKET					1	1	1	1	1	1	1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 420	421	422	423	425	428	431	437	438	439	450
		5.5140 - CAP, EXPANSION TANK											
7B,D	850795	CAP	1	1	1	1	1	1	1	1	1	1	1
		5.5190 - TUBE, EXPANSION TANK OVERFLOW											
10A	5158825	TUBE (DEV. L. 4 1/4") (2.2300)	1				1	1					
10A	5135900	TUBE (DEV. L. 17.75")		1	1					1	1	1	1
10A	5125757	TUBE (DEV. L. 19.60")				1			1				
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1		1	1	1		1	1	1	1
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)			1				1				
		5.5200 - CLIP, EXPANSION TANK OVERFLOW TUBE											
	3290459	CLIP (2.5220)		1	1	1			1	1	1	1	1
		5.5378 - GASKET, WATER FLANGE (AT RAW WATER PUMP)											
	5112143	GASKET	1	1	1	1		1	1	1	1	1	1
	5115395	GASKET (5.5410)					1						
		5.5380 - TUBE, RAW WATER PUMP OUTLET											
)A	5122658	TUBE				1			1	1			
.0A	5162815	TUBE									1		
	5134245 @	TUBE	1										
10A	5142564	TUBE		1								1	
10A	5141611	TUBE			1								1
	5144018	TUBE					1						
	5144516	TUBE						1					
	5199778 *	HOSE (2"I.D.X2"L.) (5.5330)		1								1	1
	5126742	HOSE (2 3/4"I.D.X4.50"L.) (3.5428)						1					
	5144171	BRACKET (REAR)					1						
	5144169	BRACKET					1						
	113177	PLUG, 3/4" BRASS PIPE (12.9550)		1	1					1		1	1
	5156319	GASKET (5.5610)					1						
	186629	BOLT, 5/16"-18X1" (12.9001)					1						
	179838	BOLT, 3/8"-16X7/8" (12.9001)		2	2	2	2		2	2	2	2	2
	179851	BOLT, 3/8"-16X3" (12.9001)	2					2					
	5131433	WASHER (1.5001)					2						
	446200	WASHER, 5/16" FLAT (12.9190)					1						
	103320	LOCKWASHER, 5/16" (12.9200)					1						
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2	2	2	2	2
	120376	NUT, 5/16"-18 HEX. (12.9120)					1						

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 420	421	422	423	425	428	431	437	438	439	450
		5.5380 - TUBE, RAW WATER PUMP OUTLET (CONT'D)											
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
		5.5385 - CLAMP, RAW WATER PUMP OUTLET TUBE											
	9139809	CLAMP, HOSE 2 1/2" DIA. (12.9660)										2	2
	5188036	CLAMP, HOSE (2 9/16"-3 1/2" DIA.) (12.9660)		2				2					
		5.5430 - TUBE, HEAT EXCHANGER INLET (INTERMEDIATE)											
	5144015	TUBE (2"I.D.X11"L.)					1						
	5115502	TUBE (2"I.D.X19"L.)								1	1		
	5163824 @	HOSE (2"I.D.X2"L.) (5199778) (5.5330)			1								
	5173450 @	HOSE (2"X2.50"L.) (5199778)								2	2		
	5110373	HOSE (2"I.D.X3"L.) (5.3330)					1						
	5144168	BRACKET (FRONT)					1						
	5144169	BRACKET					1						
	5144170	BRACKET (CLIP SUPPORT)					1						
	5118351	CLIP (12.9635)					1						
	5186841	CLAMP, HOSE (1 9/16"-2 1/2" DIA.) (12.9660)					2			4	4		
	5188036	CLAMP, HOSE (2 9/16"-3 1/2" DIA.) (12.9660)			4								
	5156319	GASKET (5.5610)					1						
	179816	BOLT, 5/16"-18X3/4" (12.9001)					1						
	186629	BOLT, 5/16"-18X1" (12.9001)					1						
	5131433	WASHER (1.5001)					2						
	446200	WASHER, 5/16" FLAT (12.9190)					1						
	120393	WASHER, 5/16" FLAT (12.9190)					1						
	103320	LOCKWASHER, 5/16" (12.9200)					2						
	120376	NUT, 5/16"-18 HEX. (12.9120)					2						
		@ NOT SERVICED; USE PART SHOWN IN PARENTHESES CUT TO DESIRED LENGTH.											
		5.5440 - TUBE, HEAT EXCHANGER WATER INLET											
7B	5124231	TUBE	1					1					
7B	5139093	TUBE				1			1				
7B	5140752	TUBE								1			
7B	5141225	TUBE (5.5380)									1		
	5142565	TUBE		1								1	1
	5141227	TUBE			1								1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 420	421	422	423	425	428	431	437	438	439	450
		5.5440 - TUBE, HEAT EXCHANGER WATER INLET (CONT'D)											
	103647	DRAINCOCK, 1/4" (12.9520)	1					1					
	186629	BOLT, 5/16"-18X1" (12.9001)	14	4	4	4		14	4	4	4	4	8
	103320	LOCKWASHER, 5/16" (12.9200)	14	4	4	4		14	4	4	4	4	8
		5.5460 - GASKET, HEAT EXCHANGER WATER INLET TUBE											
7B	5158747	GASKET		1	1	1			1	1	1	1	2
7B	5117704	GASKET (5.5050)	2										
7B	5117406	GASKET (5.5050)						1					
		5.5470 - HOSE, HEAT EXCHANGER RAW WATER *INLET TUBE*											
	5126742	HOSE (2 3/4"I.D.X4.50"L.) (3.5428)	1					1					
		5.5480 - CLAMP, HEAT EXCHANGER RAW WATER INLET TUBE											
	5188036	CLAMP, HOSE (2 9/16 -3 1/2 DIA.) (12.9660)	2					2					
		5.5550 - TUBE, HEAT EXCHANGER WATER OUTLET											
B,C	5130200	TUBE	1				1	1					
7B,C	5136504	TUBE (5.5440)								1			
	5141227	TUBE (5.5440)		1								1	
	5142565	TUBE (5.5440)			1								
	5125538	TUBE (5.5440)				1			1				
	5135498	TUBE									1		
10B	5121182	PLUG, 1/4" PIPE (12.9550)	1										
	112578	PLUG, 1/4" PIPED BR. (12.9550)					1	1					
10B	186629	BOLT, 5/16"-18X1" (12.9001)	6	4	4	4	6	6	4	4	4	4	
	103320	LOCKWASHER, 5/16" (12.9200)	6	4	4	4	6	6	4	4	4	4	
		5.5570 - GASKET, HEAT EXCHANGER WATER OUTLET TUBE											
7B	5158747	GASKET (5.5460)		1	1	1			1	1	1	1	
		5.5730 - TUBE, INTERCOOLER INLET											
	5141614	*TUBE, 5.18"L. (BETWEEN INTERCOOLERS)* (BRASS)		2	2							2	2
	5141741	TUBE (TO FUEL COOLERS) (5.5735)			1								

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 420	421	422	423	425	428	431	437	438	439	450
		5.5730 - TUBE, INTERCOOLER INLET (CONT'D)											
	5117994 *	HOSE (1 3/4 X2) (5199776)		2	2							2	2
	5163824 *	HOSE (2 I.D.X2 L.) (5.3330) (BETWEEN INTERCOOLERS) (5199778)	1	2	3			1				2	2
		* NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES CUT TO DESIRED LENGTH.											
		5.5732 - CLAMP, INTERCOOLER INLET TUBE											
	5186841	CLAMP, HOSE (1 9/16 -2 1/2 DIA.) (12.9660)	2	4	4			2				4	4
	9139809	CLAMP, HOSE (2 1/2) (12.9660)										4	4
	5188036	CLAMP, HOSE (2 9/16 -3 1/2 DIA.) (12.9660)		4	4								
		5.5735 - TUBE, INTERCOOLER OUTLET											
	5124230	TUBE (TO HEAT EXCHANGER) (3.5428)	1					1					
	5140274	TUBE (TO FUEL COOLER)		1								1	
	5141741	TUBE (TO FUEL COOLER)											1
	5163824 *	HOSE (2"I.D.X2"L.) (5.5330) (5199778)		1								1	1
	5177221 *	HOSE (2 3/4"I.D.X3"L.) (5.3290) (5199782)	1					1					
		* NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES CUT TO DESIRED LENGTH.											
		5.5736 - CLAMP, INTERCOOLER OUTLET TUBE											
	9139809	CLAMP, HOSE (2 1/2) (12.9660)										2	2
	5188036	CLAMP, HOSE (2 9/16 -3 1/2 DIA.) (12.9660)	2	2	2			2					
		5.5740 - TUBE, INTERCOOLER BY-PASS											
	5124741	TUBE (2"I.D.X23.94"L.) (3.5427)	1					1					
	5163824 *	HOSE (2"I.D.X2"L.) (5.5330) (5199778)	2					2					
		* NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES CUT TO DESIRED LENGTH.											

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 420	421	422	423	425	428	431	437	438	439	450
		5.5741 - CLAMP, INTERCOOLER BY-PASS TUBE											
	5186841	CLAMP, HOSE (1 9/16 -2 1/2 DIA.) (12.9660)	4					4					

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4458	4466	4667	4668	4671	4886	4889	4891	5594	5595	4994	4999
		5.5001 - TANK EXPANSION												
	5107685	TANK (CAST IRON)	1								1	1		
7C,10A	5117713	TANK		1	1	1	1	1	1	1			1	1
	455603	PLUG, 1/8"-27 ALUM. (12.9550)	2											
	8924380	PLUG, 1/8" PIPE (12.9550)									2	2		
	5173336	PLUG, 1" PIPE (12.9550)	2											
	8924750	PLUG, 1" PIPE (12.9550)									2	2		
	5117186	PLUG, 2" CUP (1.2001)	2	2	2	2	2	2	2	2	2	2	2	2
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)									2	2		
	103322	LOCKWASHER, 7/16" (12.9200)									2	2		
		5.5003 - CORE, HEAT EXCHANGER												
	8532343	CORE		1	1	1		1	1	1			1	1
	8509553	CORE (SINGLE OUTLET)									1	1		
		5.5010 - ELECTRODE, HEAT EXCHANGER												
7B,C	8515850	ELECTRODE ASSY. (INCLUDES 3 3/8" ELECT.)		2	1	1		2	1	2	1	1	2	2
	8515851	ELECTRODE		2	1	1		2	1	2	1	1	2	2
		5.5025 - RETAINER, HEAT EXCHANGER SEAL												
7B,C	5167766	RETAINER									1	1		
7B,C	5130199	RETAINER		1	1	1		1	1					
7B,C	5148733	RETAINER								1			1	1
7B,C	5130200	RETAINER		1	1	1		1	1					
	186629	BOLT, 5/16"-18X1" (12.9001)		20	20	20		20	20	14			14	14
	103320	LOCKWASHER, 5/16" (12.9200)		20	20	20		20	20	14			14	14
		5.5026 - SEAL, HEAT EXCHANGER												
7B,C	5167746	SEAL		4	4	4		4	4	4	2	2	4	4
		5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER												
7B,C	5167745	GLAND		2	2	2		2	2	2	1	1	2	2
		5.5030 - COVER, HEAT EXCHANGER												
7C	5117674	COVER (INLET) (5.5440)	1											
	5102376	COVER (INLET)					1							
	5186976	COVER (BLANK)	1											
	5117440	COVER (BLANK)					1							
	5123661	COVER (4.1290)	1											
7C	5134851	COVER (OUTLET) (5.5001)	1											
	8924255	COVER, 1/4" TAPPED HOLE								1			1	1
	5146276	COVER (INLET)									1	1		
	5148336	COVER (PLAIN)		1	1	1	1	1	1	1			1	1
	5167741	COVER (OUTLET)									1	1		
	5122634	COVER (INLET)		1	1	1		1	1					
	5148760	COVER (INLET & OUTLET)											2	
	114981	DRAINCOCK, 1/8" (12.9510)									1	1		
7B	8924140	DRAINCOCK, 1/4" (12.9510)			1	1		1	1	1			2	
	113175	PLUG, 1/8" PIPE (12.9550)									1	1		
	112578	PLUG, 1/4" BRASS PIPE (12.9550)		1	1	1					1	1		1
	113177	PLUG, 3/4" PIPE (12.9550)									1	1		

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4458	4466	4667	4668	4671	4886	4888	4891	5944	5955	4944	4999
		5.5030 - COVER, HEAT EXCHANGER (CONT'D)												
	186624	BOLT, 5/16"-12X1 1/4" (12.9001)	2											
	179816	BOLT, 5/16-18X3/4" (12.9001)					28							
	186629	BOLT, 5/16"-18X1" (12.9001)		14				28	14					14
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	20							22	10	10	22	
	179826	BOLT, 5/16"-18X2" (12.9001)									10	10		
7C	179839	BOLT, 3/8"-16X1" (12.9001)		4	4	4	4	4	4	4			4	4
7C	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4											
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR			AR	AR	AR	AR	AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)		4	4	4	4	4	4	4			4	4
		5.5050 - GASKET, HEAT EXCHANGER COVER												
7C	5146135	GASKET	2											
7C	5167764	GASKET									3	3		
7C	5134679	GASKET	1											
7C	5123660	GASKET	1											
7B	5117406	GASKET		3	2	3	3	3	3	3			3	1
	5122975	GASKET		1	1	1	1	1	1	1			1	1
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING												
	5141033	BRACKET (UPPER)	1											
	5141041	BRACKET (LOWER)	1								1			
	5131752	BRACKET (UPPER)		1			1			1			1	
	5100007	BRACKET (UPPER)						2	2					
	5140559	BRACKET (LOWER)		1			1			1			1	
	5100768	BRACKET (UPPER, R.H. SIDE)			1	1								1
	5100780	BRACKET (UPPER, L.H. SIDE)			1	1								1
	5100779	BRACKET (UPPER, L.H. SIDE)			1	1								1
	5100767	BRACKET (LOWER, L.H. SIDE)			1	1								1
	5100766	BRACKET (LOWER, R.H. SIDE)			1	1								1
	8921869	BRACKET (MOUNT & LIFTER EYE)									1	1		
	5100769	BRACKET			1	1								1
	8921868	BRACKET (MOUNT) (R.B. SIDE)									1	1		
	5129715	BRACKET (LOWER, L.B. SIDE)						1	1					
	5131184	BRACKET (LOWER, R.B. SIDE)						1	1					
	5131225	SPACER, 25/64"X3/4"X.075" (2.8981)			1	1								
	5145143	SPACER (13/32"X1.40")	2											
	5140976	SPACER (21/32"X1 1/4"X1 3/4")	2								2	2		
	5140964	SPACER (3/4"X1 1/16"X3.62")	1											
	5124266	STUD, 1/2"-13-20X2 13/16" (1.5001)		2			2							
	5125720	STUD, 1/2"-13X2 3/16"								2			2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)									1	1		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			2	2								2
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)			1	1								
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)			1	1								1
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)									2	2		
	179851	BOLT, 3/8"-16X3" (12.9001)	2											
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	1											
	8921936	BOLT, 7/16"-14X1.25" W/SEAL PATCH									1	1		
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						4						
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)	1		1	1								1
	454938	BOLT, 7/16"-14X3 3/4" (12.9001)						2						
	5148932	BOLT, 7/16"-14X3 3/4" (12.9001)							2					
	272404	BOLT, 7/16"-14X4 1/4" (12.9001)	1											
	122408	BOLT, 1/2"-13X1" (12.9001)			2	2								4
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)			2	2								2
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)			4									4
	179888	BOLT, 1/2"-13X1 7/8"												1
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)			2	2								2
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)			1	2								1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 458	466	467	468	471	486	488	491	594	595	494	499
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING (CONT'D)												
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)						2	2					
	454992	BOLT, 1/2"-13X2 1/2" (12.9001)							2	2			2	

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 458	466	467	468	471	486	488	491	594	595	494	499
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING (CONT'D)												
	186656	BOLT, 1/2"-13X2 3/4" (12.9001)			2	2	2							2
	442734	BOLT, 1/2"-13X4" (12.9001)			1	1								1
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)	1								1	1		
	187152	BOLT, 1/2"-13X5" (12.9001)		1			1			1			1	
	271562	BOLT, 5/8"-11X2" (12.9001)	1		1	1					1	1		1
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)		1			1			1			1	
	271570	BOLT, 5/8"-11X4" (12.9001)		2			2			2			2	
	271574	BOLT, 5/8"-11X5" (12.9001)			2	2								2
	272729	BOLT, 5/8"-11X5 1/2" (12.9001)	2		2						2	2		
	5131978	WASHER, (1.5001)		4			4							
	103341	WASHER, 3/8" (12.9190)			AR	AR								AR
	5131225	WASHER, 25/64"X3/4"X.095 (2.8981)												1
	103342	WASHER, 7/16" (12.9190)			1	1								1
	5150568	WASHER, 7/16" COPPER (12.9190)						4						
	5164360	WASHER, 15/32"X15/16"X5/32" (6.1001)			1	1								1
	103343	WASHER, 1/2" (12.9190)			AR	AR								AR
	103345	WASHER, 5/8" (12.9190)			AR	AR								AR
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR					AR	AR		
	103322	LOCKWASHER, 7/16" (12.9200)	AR			AR		AR	AR		AR	AR		AR
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR			AR	AR	AR	AR	AR
	120378	NUT, 1/2"-13 (12.9120)				AR								AR
	103028	NUT, 1/2"-20 (12.9120)		2			2			2			2	
	102635	NUT, 3/8"-16 (12.9120)									1	1		
		5.5120 - NECK, EXPANSION TANK FILLER												
7B,C	5118060	NECK (1.69" DIA.) (WITH 2 1/16" I.D. CAP)	1	1	1	1	1	1	1	1	1	1	1	1
		5.5130 - GASKET, EXPANSION TANK FILLER NECK												
7C	5118061	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		5.5140 - CAP, EXPANSION TANK												
7B,C	850795	CAP	1	1	1	1	1	1	1		1	1	1	1
		5.5190 - TUBE, EXPANSION TANK OVERFLOW												
10A	5158825	TUBE (DEV. L. 4 1/4") (2.2300)		1	1	1	1	1	1	1			1	1
10A	5135900	TUBE (DEV. L. 17.75")	1								1	1		
	8924153	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
	3290459	CLIP (2.5220)									1	1		

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 458	466	467	468	471	486	488	491	594	595	494	499
		5.5378 - GASKET, WATER FLANGE AT GEAR AND/OR RAW WATER PUMP												
	5112143	GASKET		1	1	1	1	1			1	1		1
		5.5380 - TUBE, RAW WATER PUMP OUTLET												
	5142564	TUBE		1			1							
	5106015	TUBE									1			
	5144018	TUBE			1									
	5107623	TUBE						1						
	5148365	TUBE				1								1
	5106012	TUBE										1		
	5199778	* HOSE (2"I.D.X2"L.) (5.5330)		1		2								
	5110373	HOSE, 2"I.D.X3"L.												1
	5136037	HOSE (2 1/2"I.D.X1.00"L.) (4.4213)				1								
	5159393	BRACKET, CLIP				1								
	8924140	DRAINCOCK, 1/4" (12.9510)						1						
	5108249	CLIP, 2 3/8"				1								
	113177	PLUG, 3/4" BRASS PIPE (12.9550)		1			1	1						
	179838	BOLT, 3/8"-16X7/8" (12.9001)		2	2	2	2				2	2		2
	179839	BOLT, 3/8"-16X1" (12.9001)				2		2						
	103341	WASHER, 3/8" (12.9190)				2								
	103321	LOCKWASHER, 3/8" (12.9200)		2		2	2	2			2	2		2
	102635	NUT, 3/8"-16 (12.9120)				2								
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		5.5385 - CLAMP, RAW WATER PUMP OUTLET TUBE												
	8920537	CLAMP, HOSE (1 9/16X2 1/2" DIA.) (12.9660)		2				4						2
		5.5430 - TUBE, HEAT EXCHANGER RAW WATER INLET INTERMEDIATE												
	5100608	TUBE		1										
	5109110	TUBE						1						
	5115502	TUBE (2"I.D.X19"L.)			1									
	5148364	TUBE (2"I.D.X2"L.)				1								
	5141193	HOSE (2"I.D.X2"L.)		1										
	5199778	* HOSE (2"I.D.X2.00"L.) (5.5330)				3		2						
	5110373	HOSE (2"I.D.X3"L.) (5.3330)			2	2								
	5136037	* HOSE (2 1/2"I.D.X1"L.)			1	1								
	5175606	BRACKET (4.1540)			1									
	5187663	BRACKET (4.8183)						1						
	5114541	BRACKET (7.1585)			1									
	5109540	BRACKET (4.1540)				1								
	5176933	STUD, 5/16"X1.44" (1.7340)						1						
	5118351	CLIP (12.9635)			1									
	5108249	CLIP (5.2190)			1	1								
	5166565	BRACKET, CLIP (9.1591)				1								
	122007	BOLT, 5/16"-18X3/4" (12.9001)			1	1								
	186629	BOLT, 5/16"-18X1" (12.9001)			1	1								
	181360	BOLT, 3/8"-24X3/4" (12.9001)						2						
	120393	WASHER, 5/16" (12.9190)			AR	AR								
	103320	LOCKWASHER, 5/16" (12.9200)			AR	AR								
	103321	LOCKWASHER, 3/8" (12.9200)						AR						
	120214	LOCKWASHER, 5/16" (12.9200)				AR								
	117049	NUT, 3/8"-24 (12.9120)						2						

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4585	4666	4677	4681	4716	4866	4881	4941	5944	5955	4944	4999
		5.5430 - TUBE, HEAT EXCHANGER RAW WATER INLET INTERMEDIATE (CONT'D)												
	120376	NUT, 5/16"-18 CAD. (12.9120)			AR	AR								
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		5.5438 - CLAMP, HEAT EXCHANGER INLET TUBE												
	8920537	CLAMP, HOSE (1 9/16"X2 1/2" DIA.) (12.9660)			1	4	6							
		5.5440 - TUBE, HEAT EXCHANGER WATER INLET												
	5108569	TUBE						1						
	5148762	TUBE			1	1								1
	5140752	TUBE									1	1		
	5148361	TUBE				1								
	5141225	TUBE									1	1		
	5199778	* HOSE (2" I.D.X2"L.)						1						
	5110373	HOSE (2"I.D.X3"L.) (5.3330)				2								
	5136037	HOSE, 2 1/2"I.D.X3.25"L. (4.4213)												1
	5108249	CLIP (5.2190)												1
	5166565	BRACKET, CLIP (9.1591)												1
	5173022	BRACKET						1						
	8924140	DRAINCOCK, 1/4" (12.9510)						1						
	122007	BOLT, 5/16"-18X3/4" (12.9001)												1
	186629	BOLT, 5/16"-18X1" (12.9001)			14	14					8	8		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)												4
	179826	BOLT, 5/16"-18X2" (12.9001)				1								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						1						
	103341	WASHER, 3/8" (12.9190)						1						
	103320	LOCKWASHER, 5/16" (12.9200)			14	14					8	8		4
	120214	LOCKWASHER, 5/16" (12.9200)												1
	120393	WASHER, 5/16" (12.9190)												1
	102634	NUT, 5/16"-18 (12.9120)												1
		* STANDARD LENGTH HOSE CUT TO LENGTH SHOWN.												
		5.5441 - CLAMP, HEAT EXCHANGER WATER INLET TUBE												
	5186841	CLAMP, HOSE (1 9/16"-2 1/2" DIA.) (12.9660)					2	2						
		5.5460 - GASKET, HEAT EXCHANGER RAW WATER INLET TUBE												
	5117406	GASKET (5.5050)			1	3								
	5158747	GASKET									2	2		
		5.5550 - TUBE, HEAT EXCHANGER WATER OUTLET												
	5148761	ELBOW												1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)												4
	103320	LOCKWASHER, 5/16" (12.9200)												4

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 458	466	467	468	471	486	488	491	594	595	494	499
		5.5730 - TUBE, INTERCOOLER INLET												
	5148364	TUBE, 2"I.D.X2"L.				1								1
	5141614	TUBE, 5.18"L. (BETWEEN INTERCOOLERS)		2			2							
	5199776	* HOSE, 1 3/4"X2" (BETWEEN INTERCOOLERS)		2			2							
	5199778	* HOSE (2"I.D.X2"L.) (BETWEEN INTERCOOLERS)		2		2	2							
	5110373	HOSE, 2"I.D.X3"L. (5.3330)												2
		* STANDARD LENGTH HOSE CUT TO LENGTH SHOWN.												
		5.5732 - CLAMP, INTERCOOLER INLET TUBE												
	8920537	CLAMP, HOSE (1 9/16"-2 1/2" DIA.) (12.9660)		4		4	8							4

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4585	4666	4667	4668	4710	4866	4888	4911	5945	5955	4994	4999
		5.5735 - TUBE, INTERCOOLER OUTLET												
	5140274	TUBE (TO FUEL COOLER)		1			1							
	5148361	*TUBE*			1									
	5148366	TUBE				1								1
	5148378	TUBE (TO FUEL COOLER)				1								1
	5199778	* HOSE (2"I.D.X2"L.) (5.5330)		1		1	1							
	5140613	HOSE (3 1/2"I.D.X2"L.) (3.5305)			1	2								
	5110373	HOSE (2"I.D.X3"L.) (5.3330)												5
		* STANDARD LENGTH HOSE CUT TO LENGTH SHOWN.												
		5.5736 - CLAMP, INTERCOOLER OUTLET TUBE												
	8920537	CLAMP, HOSE (1 9/16"-2 1/2" DIA.) (12.9660)		1	2	6	2							10
		5.5738 - SUPPORT, INTERCOOLER WATER OUTLET TUBE												
	5159393	BRACKET, CLIP SUPPORT												1
	5137329	BRACKET, CLIP 90 DEG.												1
	5108249	CLIP, 2 3/8"												2
	5136037	*HOSE, 2 1/2"I.D.X3.25"L. (4.4213)*												2
	186629	BOLT, 5/16"-18X1 (12.9001)												1
	179839	BOLT, 3/8"-16X1" (12.9001)												1
	120393	WASHER, 5/16" (12.9190)												1
	103341	WASHER, 3/8" (12.9190)												1
	103320	LOCKWASHER, 5/16" (12.9200)												1
	103321	LOCKWASHER, 3/8" (12.9200)												1
	120376	*NUT, 5/16"-18 (12.9120)*												1
	102635	NUT, 3/8"-16 (12.9120)												1

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	37	41	42	43	47	62	63	64	65	66	67
		5.6001 - PUMP ASSY., RAW WATER												
		A PUMP ASSY. INCLUDES ITEMS IN 5.6010 THRU 5.6320 (EXCEPT 5.6220 AND 5.6025).												
8A	**5115396**	PUMP ASSY.	1						1				1	
8A	**5122599**	PUMP ASSY.		1						1	1	1		1
8A	**5134909**	PUMP ASSY.			1	1	1							
	5138220	PUMP ASSY.						1						
	5198590	FLANGE, WATER OUTLET						1						
	5198586	FLANGE, WATER INLET						1						
	5198587	FLAPPER ASSY., RAW WATER PUMP						1						
	5198591	GASKET						1						
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	1	1	1	1	1		1	1	1	1	1	1
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)	4				4							4
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)		4	4	4			4	4	4	4	4	
	427570	BOLT, 1/2"-13X1 5/8" (12.9001)				1								
	120382	LOCKWASHER, 3/8" (12.9200)						8						
	103323	LOCKWASHER, 1/2" (12.9200)	8		8	8	8	8						
	5198589	NUT, 3/8"-24 (STAINLESS)						8						
		5.6005 - SUPPORT, RAW WATER PUMP												
	5198609	BRACKET						1						
	5198594	SCREW, 3/8"-16 FIL. HD. (STAINLESS)						4						
	120382	LOCKWASHER, 3/8" (12.9200)						2						
	5197825	NUT, 3/8"-16 (STAINLESS)						2						
	5198610	NUT, 3/8"-16 (STAINLESS)						2						
		5.6010 - HOUSING, RAW WATER PUMP DRIVE												
8A	**5198238**	HOUSING			1	1	1							
8A	**5193551**	ADAPTOR	1	1					1	1	1	1	1	1
	5196503	ADAPTOR			1	1	1							
		5.6012 - GASKET, RAW WATER PUMP ADAPTOR												
8A	**5194567**	GASKET	1	1					1	1	1	1	1	1
	5196501	GASKET			1	1	1							
		5.6020 - HOUSING, RAW WATER PUMP IMPELLER												
8A	**5195411**	BODY, PUMP	1						1				1	
8A	**5196165**	BODY, PUMP		1						1	1	1		1
8A	**5198238**	BODY, PUMP			1	1	1							
8A	**5193556**	PLATE, WEAR	1	1					1	1	1	1	1	1

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	37	41	42	43	47	62	63	64	65	66	67
		5.6020 - HOUSING, RAW WATER PUMP IMPELLER (CONT'D)												
8A	5196505	PLATE, WEAR			1	1	1							
	5197597	PIN, 3/16"X5/16" DOWEL	1	1					1	1	1	1	1	1
8A	186678	BOLT, 3/8"-16X1" (12.9001)	6	6	6	6	6		6	6	6	6	6	6
	120382	LOCKWASHER, 3/8" (12.9200)	6	6	6	6			6	6	6	6	6	6
		5.6025 - RECONDITIONING KIT, RAW WATER PUMP												
		INCLUDES ITEMS IN 5.6012, PLATE IN 5.6020, CAM IN 5.6035, 5.6090, 5.6100, SHAFT IN 5.6120, 5.6130, 5.6140, SEAL IN 5.6160, 5.6170, 5.6200, IMPELLER IN 5.6230 AND KEY IN 5.6320.												
	5197224	RECONDITIONING KIT	AR						AR				AR	
	5197222	RECONDITIONING KIT		AR						AR	AR	AR		AR
		5.6030 - BODY, RAW WATER PUMP												
	5198581	BODY						1						
	5197826	PLUG, 1/4"-20 STAINLESS						1						
	5198585	PLUG (1" STD. PIPE THREAD, BRASS SQUARE SOCKET)						3						
	5198582	GASKET						1						
	5198584	STUD, 3/8"-16-24X1 7/16"						6						
	5198583	STUD, 3/8"-16-24X1 5/8"						8						
	120382	LOCKWASHER, 3/8" (12.9200)						6						
	5198589	NUT, 3/8"-24 (5.6001)						6						
		5.6035 - CAM, RAW WATER PUMP BODY OFFSET												
8A	5193554	CAM	1						1				1	
8A	5196167	CAM		1						1	1	1		1
8A	5198239	CAM			1	1	1							
8A	5198242	RING, SEAL			2	2	2							
8A	5194894	GASKET						2						
8A	114366	SCREW, 1/4"-20X1/2" FIL. HD. (12.9010)	1	1					1				1	
		5.6090 - COVER, RAW WATER PUMP												
8A	5193555	COVER (END)	1	1					1	1	1	1	1	1
8A	5198240	COVER			1	1	1							
8A	114366	SCREW, 1/4"-20X1/2" FIL. HD.	5	5					5	5	5	1	5	5

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	37	41	42	43	47	62	63	64	65	66	67
		5.6090 - COVER, RAW WATER PUMP (CONT'D)												
		(12.9010)												
	114366	SCREW, 1/4"-20X1/2" FIL. HD. (12.9010)			8	8	8							
		5.6100 - GASKET, RAW WATER PUMP COVER												
8A	5193562	GASKET	1	1					1	1	1	1	1	1
8A	5196508	GASKET			1	1	1							
		5.6120 - SHAFT, RAW WATER PUMP												
8A	5193552	SHAFT	1						1				1	
8A	5196169	SHAFT		1						1	1	1		1
8A	5196506	SHAFT			1	1	1							
8A	5196500	SHAFT			1	1	1							
	5198605	SHAFT						1						
	5198593	KEY, 3/16"X1/4"X1 1/4"						1						
	5198608	LOCKNUT						1						
	5198607	LOCKWASHER, 1.193" DIA., EXT. TEETH						1						
		5.6130 - BEARING, RAW WATER PUMP												
8A	954799	BEARING (N.D.55506L1Z)	1		2	2	2		1				1	
A	907295	BEARING (N.D.55606L1Z)		1						1	1	1		1
	5198602	BEARING						1						
	5198604	BEARING						1						
		5.6133 - HOUSING, RAW WATER PUMP BEARING												
	5198597	HOUSING						1						
	5198606	RETAINER						1						
	5198588	SCREW, 1/4"-20X3/4"						5						
	120380	LOCKWASHER, 1/4" (12.9200)						4						
		5.6135 - SPACER, RAW WATER PUMP BEARING												
	5198603	SPACER						1						
		5.6140 - RING, RAW WATER PUMP BEARING RETAINER												
8A	5193569	RING (SMALL)	1						1				1	
8A	9415285	RING (LARGE) (2.7470)	1											
	5196171	RING		1						1	1	1		1

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	37	41	42	43	47	62	63	64	65	66	67
		5.6160 - SEAL, RAW WATER PUMP BEARING												
8A	5195101	SEAL (1 11/32"I.D.)	1	1	2	2	2		1	1	1	1	1	1
		5.6170 - SEAL, RAW WATER PUMP SHAFT												
		A SEAL ASSY. INCLUDES ITEMS IN 5.6173 THRU 5.6178.												
8A	5193557 *	SEAL ASSY.	1	1										
8A	5198419	SEAL ASSY.	1	1	2	2	2		1	1	1	1	1	1
		* NOT SERVICED; FOR REPLACEMENT USE 5198419 SEAL ASSY.												
		5.6173 - SEAT, RAW WATER PUMP SHAFT SEAL												
8A	5193565 *	SEAT, SEAL (CARBON)	1	1										
	5198420 *	SEAT ASSY.	1	1					1	1	1	1	1	1
		* NOT SERVICED; FOR REPLACEMENT USE 5198419 SEAL ASSY.												
		5.6175 - RING, RAW WATER PUMP SHAFT SEAL FRICTION												
8A	5193564	SEAL (CARBON)	1	1	1	1	1		1	1	1	1	1	1
		5.6176 - RING, RAW WATER PUMP SHAFT SEAL												
8A	5193567	RING ("O" SECTION)	1	1	1	1	1		1	1	1	1	1	1
8A	5193566 *	RING (SQUARE SECTION) (5.6172)	1	1										
		* NOT SERVICED; FOR REPLACEMENT USE 5198419 SEAL ASSY.												
		5.6178 - SPRING, RAW WATER PUMP SHAFT SEAL												
8A	5193563	WASHER (MARCEL)	1	1	1	1	1		1	1	1	1	1	1
		5.6200 - SLINGER, RAW WATER PUMP SHAFT												
8A	5193676	SLINGER	1	1	2	2	2		1	1	1	1	1	1
	5198601	SLINGER						1						
		5.6220 - REPLACEMENT KIT, RAW WATER PUMP SEAL & IMPELLER												
		INCLUDES IMPELLER IN 5.6230, SEAL ASSY. IN 5.6170, GASKET IN 5.6100 AND SCREWS IN 5.6090.												

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	37	41	42	43	47	62	63	64	65	66	67
		5.6220 - REPLACEMENT KIT, RAW WATER PUMP SEAL & IMPELLER(CONT'D)												
	5194860	REPLACEMENT KIT	1						1				1	
	5196846	REPLACEMENT KIT		1						1	1	1		1
	5197346	REPLACEMENT KIT			1	1	1							
		5.6230 - IMPELLER, RAW WATER PUMP												
8A	5196628 #	IMPELLER (GREEN STRIPE)	1						1				1	
8A	5193553 *	IMPELLER	1		2	2	2		1				1	
8A	5196168 *	IMPELLER		1						1	1	1		1
8A	5198550 #	IMPELLER (GREEN STRIPE)		1						1	1	1		1
	5198598	IMPELLER						1						
	5198592	PLATE, WEAR						1						
	5198599	SHIM						AR						
		# USE IN EXTREME COLD WATER TEMPERATURE.												
		* USE IN NORMAL WATER TEMPERATURE.												
		5.6240 - SEAL, RAW WATER PUMP IMPELLER												
	5198600	SEAL						1						
		5.6320 - GEAR, RAW WATER PUMP DRIVE												
A	5193576	GEAR	1						1				1	
8A	5196170	GEAR		1						1	1	1		1
	5196502	GEAR			1	1	1							
	103462	KEY, SQUARE		1						1	1	1		1
	5198132	KEY, SQUARE			1	1	1							
	5161024	KEY, 5/32"X7/8"							1				1	
	5196499	WASHER, 11/16"X1 3/8"			1	1	1							
8A	103325	LOCKWASHER, 5/8" (12.9200)	1	1	1	1	1		1	1	1	1	1	1
8A	122366	NUT, 5/8" HEX. (12.9120)	1	1	1	1	1		1	1	1	1	1	1
		5.6330 - GEAR, RAW WATER PUMP DRIVEN												
	5196504	GEAR			2	2	2							
	9415271	RING, EXTERNAL RETAINER			1	1	1							
	9415285	RING, INTERNAL RETAINER (2.7470)			2	2	2		1				1	
	9415270	KEY (3/16"X3/4" BRASS)			1	1	1							
	114323	SCREW, 1/4"-20X1/2"			2	2	2							
		5.6350 - GASKET, RAW WATER PUMP												
	5117061	GASKET (1.5040)	1	1	1	1	1	1	1	1	1	1	1	1

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	37	41	42	43	47	62	63	64	65	66	67
		5.6400 - PULLEY, RAW WATER PUMP DRIVE												
	5138277	PULLEY (5.38" DIA., 2 GROOVE)						1						
	139013	SCREW, 1/4"-28X1/2"						1						
		5.6410 - PLATE, RAW WATER PUMP DRIVE												
8A	5131627	* PLATE (21 TEETH)	1	1										
8A	5170450	PLATE (21 TEETH) (1.7630)							1	1	1	1	1	1
8A	5153449	@ PLATE (23 TEETH) (1.7630)	1	1	1	1	1							
8A	5176474	BOLT (1.7630)	4	4	4	4	4							
8A	5145092	BOLT, 3/8"-24X1.20" (12.9001)							4	4	4	4	4	4
		* EFF. WITH 6VA-26942, 8VA-20435, 12VA-5673, 16VA-1186.												
		@ THRU 6VA-26941, 8VA-20435, 12VA-5672, 16VA-1185.												
		5.6420 - COUPLING, RAW WATER PUMP DRIVE												
8A	5143616	* COUPLING (21 EXTERNAL TEETH)	1	1					1	1	1	1	1	1
8A	3292492	@ COUPLING (23 EXTERNAL TEETH)(1.7635)	1	1	1	1	1							
		* EFF. WITH 6VA-26942, 8VA-20435, 12VA-5673, 16VA-1186.												
		@ THRU 6VA-26941, 8VA-20435, 12VA-5672, 16VA-1185.												
		5.6450 - SPACER, RAW WATER PUMP DRIVE												
8A	5177026	SPACER (1.7630)	1	1	1	1	1		1	1	1	1	1	
		5.6573 - ELBOW, RAW WATER PUMP INLET												
	5123361	ELBOW (5.5377)							1	1	1			1
	5119645	ELBOW (5.5377)										1		
	5114776	ELBOW (5.5377)											1	
	113177	PLUG, 3/4" SQ. PIPE (BRASS) (12.9550)											1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)							2	2	2	2		2
	179847	BOLT, 3/8"-16X2" (12.9001)											2	
	103321	LOCKWASHER, 3/8" (12.9200)							2	2	2	2	2	2
		5.6574 - GASKET, RAW WATER PUMP INLET ELBOW												
	5115395	GASKET (5.5410)							1				1	
	5112143	GASKET (5.5378)								1	1	1		1

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	37	41	42	43	47	62	63	64	65	66	67
		5.6575 - ELECTRODE, RAW WATER PUMP												
	8517479	ELECTRODE ASSY. (2 1/8" ELECT.)							1	1	1			1
	8515841	ELECTRODE ASSY. (2 1/8" ELECT.)											1	
	8515850	ELECTRODE ASSY. (3 3/8" ELECT.)										1		
		5.6580 - TUBE, RAW WATER PUMP OUTLET												
	5122658	TUBE ASSY. (5.5380)									1		1	
	5122686	TUBE ASSY. (5.5380)												1
	5112011	BRACKET, CLIP (5.5380)												1
	5118351	CLIP, 2" (5.5380)												1
	179816	BOLT, 5/16"-18X3/4" (12.9001)												1
	180121	BOLT, 3/8"-16X7/8" (12.9001)									2		2	2
	103320	LOCKWASHER, 5/16" (12.9200)												1
	103321	LOCKWASHER, 3/8" (12.9200)									2		2	2
	120393	WASHER, 5/16" FLAT (12.9190)												1
	120376	NUT, 5/16"-18 HEX. (12.9120)												1
		5.6581 - GASKET, RAW WATER PUMP OUTLET TUBE												
	5112143	GASKET (5.5378)									1			1
	5115395	GASKET (5.5378)											1	
		5.6583 - TUBE, HEAT EXCHANGER RAW WATER INLET INTERMEDIATE												
	5122618	TUBE (21 15/32"L.) (5.5430)											1	
	5122617	TUBE (27 7/64"L.) (5.5430)									1			
		5.6585 - TUBE, HEAT EXCHANGER WATER INLET												
	5122659	TUBE (5.5440)									1		1	
		5.6586 - HOSE, HEAT EXCHANGER RAW WATER INLET TUBE												
	5163815	HOSE, 2"X4 1/2" (5.3330)												1
	5186841	CLAMP, 2" HOSE (12.9660)												2
		5.6590 - HOSE, HEAT EXCHANGER FRESH WATER OUTLET												
	5173450	HOSE, 2"X2 1/2"L. (5.3330)									2		2	
	5186841	CLAMP, 2" HOSE (12.9660)									4		4	

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 85	87	92	95	96	97	102	103	104
		5.6001 - PUMP ASSY., RAW WATER									
8A	**5122599**	+ PUMP ASSY., 8, 12 & 16V		1							
8A	**5145578**	+ PUMP ASSY., 6, 8 & 12V	1								
8A	**8923363**	@ PUMP ASSY., 8, 12 & 16V (HEAVY DUTY)			1	1	1	1			
8A	**8924268**	+ PUMP ASSY., 8V								1	
	5106016	+ PUMP ASSY., 6, 8 & 16V							1		1
	5111948	FLANGE, WATER OUTLET (5.6405)		1							
	5112143	GASKET, 2.53" ID X 4" OD (5.5378)		1							
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)		2							
8A	**186678**	BOLT, 3/8"-16X1" (12.9001)		6					6	6	6
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	1								
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)		1	1						
	186622	BOLT, 1/2"-13 X 1 1/4" (12.9001)	4								
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)			4						
	179884	BOLT, 1/2"-13 X 1 3/8" (12.9001)		4							
	106261	WASHER, 5/16" (12.9190)		6							
	103321	LOCKWASHER, 3/8" (12.9200)		2							
8A	**120382**	LOCKWASHER, 3/8" (12.9200)							6	6	6
		@ INCLUDES ITEMS IN 5.6001, 5.6010, 5.6012, 5.6020, 5.6035, 5.6090, 5.6120, 5.6130, 5.6170, 5.6230, 5.6320. THE COMPONENT PARTS NOT SHOWN ARE NOT SERVICED FOR THIS PUMP ASSEMBLY.									
		+ INCLUDES ITEMS IN 5.6001, 5.6010 THRU 5.6320 (EXCEPT 5.6220 AND 5.6025).									
		5.6010 - HOUSING, RAW WATER PUMP DRIVE									
8A	**5108174**	ADAPTOR	1								
8A	**5193551**	ADAPTOR		1	1	1	1	1	1	1	1
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)			1	1	1	1	1	1	1
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)			4						
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)				4	4	4	4	4	4
		5.6012 - GASKET, RAW WATER PUMP ADAPTOR									
8A	**5196513**	GASKET (BETWEEN ADAPTOR & PUMP FLANGE)	1								
8A	**5194567**	GASKET (BETWEEN ADAPTOR & PUMP FLANGE)		1	1	1	1	1	1	1	1
8A	**5104506**	GASKET (BETWEEN ADAPTOR & F/W HOUSING) (1.5040)	1	1	1	1	1	1	1	1	1

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 85	87	92	95	96	97	102	103	104
		5.6020 - HOUSING, RAW WATER PUMP IMPELLER									
8A	**5199377**	BODY, PUMP	1								
8A	**5196165**	BODY, PUMP		1					1	1	1
8A	**5193556**	PLATE, WEAR		1					1	1	1
8A	**8927568**	PLATE, WEAR			2	2	2	2			
8A	**5197597**	PIN, 3/16"X5/16" DOWEL		1					1	1	1
		5.6025 - RECONDITIONING KIT, RAW WATER PUMP									
	8927566	+ KIT, RECONDITIONING			AR	AR	AR	AR			
	5197222	KIT, RECONDITIONING		AR					AR	AR	AR
		+ INCLUDES ALL PUMP PARTS EXCEPT FOR PUMP BODY, BEARING HOUSING ADAPTOR, DRIVE GEAR AND COMMONLY AVAILABLE NUTS, BOLTS AND WASHERS.									
		5.6035 - CAM, RAW WATER PUMP BODY OFFSET									
8A	**5196695**	CAM	1								
8A	**5196167**	CAM		1					1	1	1
8A	**8927571**	CAM			1	1	1	1			
	101076	SCREW, #10-32X1 1/2" FIL. HD. (12.9010)	1								
		5.6090 - COVER, RAW WATER PUMP									
8A	**8920913**	COVER	1								
8A	**5193555**	COVER		1					1	1	1
8A	**8927569**	COVER ASSY. (END) (INCLUDES DOWEL PIN)			1	1	1	1			
8A	**101075**	SCREW, #10-32X3/8" FIL. HD. (12.9010)	6								
8A	**114366**	SCREW, 1/4"-20 X 1/2" FIL. HD. (12.9010)		6					6	6	6
		5.6100 - GASKET, RAW WATER PUMP COVER									
8A	**5193603**	GASKET	1								
8A	**5193562**	GASKET		1					1	1	1
		5.6120 - SHAFT, RAW WATER PUMP									
8A	**5196515**	SHAFT	1								
8A	**5196169**	SHAFT		1					1	1	1
8A	**8927572**	SHAFT			1	1	1	1			
		5.6130 - BEARING, RAW WATER PUMP									
8A	**954806**	BEARING (N.D.55504X1Z)	1								
8A	**907295**	BEARING (N.D. 55606 LIC)		1					1	1	1
8A	**8927574**	BEARING			2	2	2	2			

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 85	87	92	95	96	97	102	103	104
		5.6140 - RING, RAW WATER PUMP BEARING RETAINER									
8A	**9416358**	RING, RETAINING	1								
8A	**5196171**	RING, RETAINING		1					1	1	1
		5.6160 - SEAL, RAW WATER PUMP BEARING									
8A	**5195019**	SEAL (.896/.906" ID X 1.714/1.724" OD	1								
8A	**5195101**	SEAL, BEARING LIP-TYPE (1.281/1.334" ID X 2.247/2.255" OD)		1					1	1	1
		5.6170 - SEAL, RAW WATER PUMP SHAFT									
		A SEAL ASSY. INCLUDES ITEMS IN 5.6173 THRU 5.6178.									
8A	**5199150**	SEAL	1								
8A	**5198419**	SEAL ASSY.		1					1	1	1
8A	**8927573**	SEAL			1	1	1	1			
8A	**5199378**	SPACER, SEAL	1								
		5.6173 - SEAT, RAW WATER PUMP SHAFT SEAL									
8A	**5193668**	SEAT, 1" ID X 1.425/1.430" OD X .319" THK)		1					1	1	1
8A	**5193667**	WASHER, 1.02" ID X 1.453/1.437" OD X .06" THK.		1					1	1	1
		5.6175 - RING, RAW WATER PUMP SHAFT SEAL FRICTION									
8A	**5193564**	SEAL, .991/1.005" ID X 1.374/1.369" OD (TWO GROOVES)		1					1	1	1
		5.6176 - RING, RAW WATER PUMP SHAFT SEAL									
8A	**5193567**	RING ("O" SECTION) (.978/.999" ID X 1 1/4" OD)		1					1	1	1
		5.6178 - SPRING, RAW WATER PUMP SHAFT SEAL									
8A	**5193563**	WASHER (MARCEL)		1					1	1	1
		5.6200 - SLINGER, RAW WATER PUMP SHAFT									
8A	**5193676**	SLINGER (.935/.950" ID X 1.56" OD X .093" THK.)		1					1	1	1

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 85	87	92	95	96	97	102	103	104
		5.6220 - REPLACEMENT KIT, RAW WATER PUMP SEAL AND IMPELLER									
	8927567	+ KIT, IMPELLER REPLACEMENT-RAW WATER PUMP			AR	AR	AR	AR			
	5196846	KIT, IMPELLER REPLACEMENT-RAW WATER PUMP		AR					AR	AR	AR
		+ INCLUDES IMPELLER, SEAL, END COVER GASKET AND IMPELLER SEALS, PLUS IMPELLER REPLACEMENT INSTRUCTIONS.									
		5.6230 - IMPELLER, RAW WATER PUMP									
8A	**5196168**	IMPELLER		1							
8A	**5193602**	IMPELLER	1								
8A	**8927570**	IMPELLER			1	1	1	1			
8A	**8924839**	IMPELLER							1	1	1
		5.6320 - GEAR, RAW WATER PUMP DRIVE									
8A	**5196170**	GEAR (20 TEETH) (1" SHAFT HOLE ID)		1	1	1	1	1	1	1	1
8A	**5193576**	GEAR (20 TEETH) (.7505" SHAFT HOLE ID)	1								
8A	**103462**	KEY, 3/16"X1" WOODRUFF (12.9350)		1					1	1	1
8A	**5196499**	WASHER, DRIVE GEAR RETAINER		1					1	1	1
8A	**103325**	LOCKWASHER, 5/8" (12.9200)		1					1	1	1
8A	**122366**	NUT, 5/8" (12.9120)		1					1	1	1
		5.6410 - PLATE, RAW WATER PUMP DRIVE									
8A	**5170450**	PLATE (21 INTERNAL TEETH) (1.7630)	1	1	1	1	1	1	1	1	1
8A	**5145092**	BOLT, 3/8"-24X1.20" (12.5015)	4	4	4	4	4	4	4	4	4
		5.6420 - COUPLING, RAW WATER PUMP DRIVE									
8A	**5143616**	* COUPLING (21 EXTERNAL TEETH & 20 INTERNAL TEETH) (12.5010)	1	1	1	1	1	1	1	1	1
		* EFF. WITH 6VA-26942, 8VA-20435, 12VA-5673, 16VA-1186.									
		5.6573 - ELBOW, RAW WATER PUMP INLET									
	5121043	ELBOW (5.5377)	1	1							
	5123361	ELBOW (5.5377)			1	1	1		1	1	
	5119645	ELBOW (5.5377)						1			1
	179838	BOLT, 3/8"-16X7/8" (12.9001)		2	2	2	2	2	2	2	2
	179830	BOLT, 5/16"-18 X 3" (12.9001)	2								
	103320	LOCKWASHER, 5/16" (12.9200)	2								
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	2	2	2	2	2	2
		5.6574 - GASKET, RAW WATER PUMP INLET ELBOW									
	5122648	GASKET, 1.12" ID-2 HOLES 11/32" DIA. (5.5378)	1								
	5112143	GASKET, 2.53" ID & 4" OD (5.5378)		1	1	1	1	1	1	1	1

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 85	87	92	95	96	97	102	103	104
		5.6575 - ELECTRODE, RAW WATER PUMP									
	8517473	ELECTRODE ASSY. (1 1/4" L.) (5.5010)	1								
	8517479	ELECTRODE ASSY. (2 1/8" L.) (5.5010)		1	1	1	1		1	1	
	8515850	ELECTRODE ASSY. (3 3/8" L.) (5.5010)						1			1
	8515851	ELECTRODE (3 3/8" L.) (5.5010)						1			1
		5.6580 - TUBE ASSY., RAW WATER PUMP OUTLET									
	5122686	TUBE ASSY. (5.5380)			1						
	5122658	TUBE ASSY. (5.5380)					1				
	5112011	BRACKET, CLIP (5.2190)			1						
	5118351	CLIP, 2" (12.9635)			1						
	179816	BOLT, 5/16"-18X3/4" (12.9001)			1						
	179838	BOLT, 3/8"-16X7/8" (12.9001)			2		2				
	103320	LOCKWASHER, 5/16" (12.9200)			1						
	103321	LOCKWASHER, 3/8" (12.9200)			2		2				
	120393	WASHER, 11/32"X11/16" (12.9190)			1						
	120376	NUT, 5/16"-18 (12.9120)			1						
		5.6581 - GASKET, RAW WATER PUMP OUTLET TUBE									
	5112143	GASKET, 2.53" ID X 4" OD (5.5378)			1		1				
		5.6583 - TUBE, HEAT EXCHANGER RAW WATER INLET INTERMEDIATE									
	5122617	TUBE (2" OD X 26.94" L.) (5.5430)					1				
		5.6585 - TUBE, HEAT EXCHANGER WATER INLET									
	5122659	TUBE ASSY. (5.5440)					1				
	5118186	FLANGE (PART OF TUBE ASSY.) (5.5440)					1				
		5.6586 - HOSE, HEAT EXCHANGER RAW WATER INLET TUBE									
	5199778	HOSE, 2" ID X 24" L. (CUT TO 4 1/2" L.) (3.1270)			1						
	8920537	CLAMP, HOSE 1 9/16"-2 1/2" CLAMPING RANGE (12.9660)			2						
		5.6590 - HOSE, HEAT EXCHANGER FRESH WATER OUTLET									
	5141193	HOSE, 2"X2 1/2" L. (5.2165)					2				
	9139809	CLAMP, HOSE 2 1/16"-3" CLAMPING RANGE) (12.8660)					4				

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5.7000A WATER FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15	16	35
		5.7001 - FILTER ASSY., WATER			
		A FILTER ASSY. INCLUDES ITEMS IN 5.7013 THROUGH 5.7045.			
9A	**5188110**	FILTER ASSY. (30 GAL. CAPACITY SYSTEM)	1		
9A	**5118208**	FILTER ASSY. (65 GAL. CAPACITY SYSTEM)		1	1
	1595836	VALVE, SHUT-OFF	1	1	1
	3116561	VALVE, SHUT-OFF (5.7100)	1	1	1
	118536	DRAINCOCK, 3/8" (12.9510)			1
	186629	BOLT, 5/16"-18X1" (12.9001)	2	4	
	100014	BOLT, 5/16"-24X1" (12.9001)			4
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR
	114493	NUT, 5/16"-24 HEX. (12.9120)			4
		5.7010 - INSTALLATION KIT, WATER FILTER			
		AN INSTALLATION KIT INCLUDES FILTER ASSY. AND ALL PARTS APPLICABLE TO INSTALLATION EXCEPT BRACKETS.			
	5194598	INSTALLATION KIT (H.E. COOLING)	1		
		5.7013 - BODY, WATER FILTER			
9A	**9033035**	BODY	1		
9A	**5195680**	BODY		1	1
9A	**444819**	PLUG, 1/4" PIPE (12.9550)	1		
9A	**5145014**	PLUG, 3/8" PIPE (12.9550)		1	
		5.7020 - ELEMENT, WATER FILTER			
		INCLUDES GASKET IN 5.7035.			
9A	**5199322**	ELEMENT	1	2	2
		5.7023 - PLATE, WATER FILTER SUMP			
9A	**5199601**	PLATE	1		
		5.7026 - SPRING, WATER FILTER			
9A	**5194625**	SPRING	1	1	1

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5.7000A WATER FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15	16	35
		5.7034 - COVER, WATER FILTER			
9A	2453224	COVER	1	1	1
	143980	*PLUG, 3/8" PIPE*	1		
9A	2293482	BOLT ASSY. (WITH WASHER)	2	2	2
		5.7035 - GASKET, WATER FILTER COVER			
9A	5197436	GASKET	1	1	1
		5.7043 - PLATE, WATER FILTER UPPER			
9A	2293483	PLATE (ALUMINUM)	1	1	1
		5.7045 - PLATE, WATER FILTER LOWER			
9A	5199601	PLATE (ALUMINUM)	1	1	1
		5.7080 - BRACKET, WATER FILTER MOUNTING			
	5143640	BRACKET			1
	179839	BOLT, 3/8"-16X1" (12.9001)			4
	103321	LOCKWASHER, 3/8" (12.9200)			4
		5.7090 - HOSE, WATER FILTER INLET			
	5189470 *	HOSE (5/8"I.D.X15"L.) (5135293) #10			1
	5113396 *	HOSE (5/8"I.D.X30 1/2"L.) (5135293) #10	1	1	
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)	1	1	
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)			1
	3133153	CONNECTOR, HOSE (12.4085)	1	1	1
	121207	NIPPLE, 3/8" PIPE (12.9560)	1	1	
	120280	TEE, 3/8" PIPE (12.9616)	1	1	
		* NOT SERVICED; STANDARD LENGTH HOSE SHOWN WILL BE PROVIDED.			
		5.7095 - CLAMP, WATER FILTER INLET HOSE			
	9139801	CLAMP (9/16" I.D.) (12.9660)	2	2	2
		5.7100 - HOSE, WATER FILTER OUTLET			
	5189469 *	HOSE (1/4"I.D.X30"L.) (5129867) #4 (7.4075)	1	1	
	5133334 *	HOSE (#4X18"L.) (5129867) (7.4074)			1

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5.7000A WATER FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15	16	35
		5.7100 - HOSE, WATER FILTER OUTLET (CONT'D)			
		(7.4075)			
	5189294	FITTING, 1/4" HOSE (INV. FL. TUBE)	1	1	1
	5189292	FITTING, 1/4" HOSE	1	1	1
	116332	BUSHING, 3/8"X1/4" RED. PIPE (12.9570)	1	1	1
	116524	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)	1	1	1
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)			1
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9600)			1
		* NOT SERVICED; STANDARD LENGTH HOSE SHOWN WILL BE PROVIDED. CLAMP			

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Blcer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- **6.1000A Exhaust Manifold and/or Connections**
- **6.2000A Exhaust Muffler and/or Connections**

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

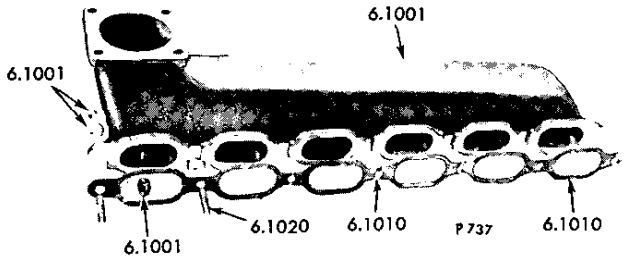

FIG. 1A EXHAUST MANIFOLD (END OUTLET)

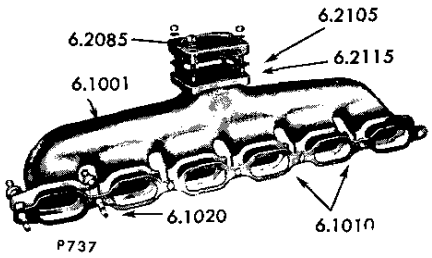

FIG. 1B EXHAUST MANIFOLD (CENTER OUTLET)

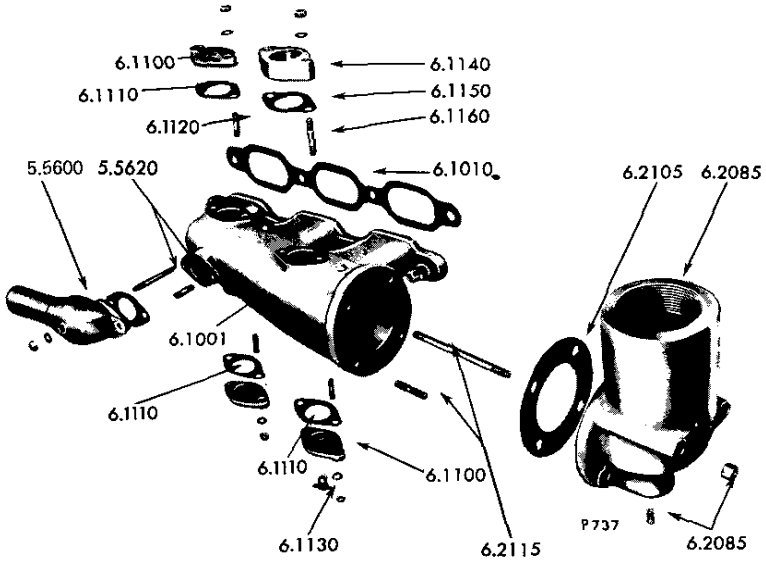

FIG. 1C EXHAUST MANIFOLD (WATER COOLED)

Figs. 1A, 1B & 1C of 6.0000

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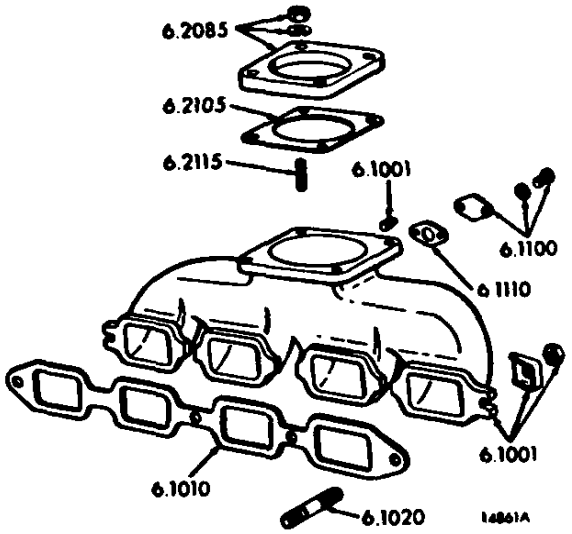

FIG. 1F EXHAUST MANIFOLD
(CENTER OUTLET, FLANGE)

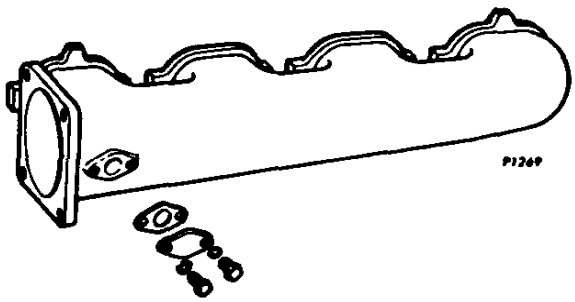

FIG. 1H EXHAUST MANIFOLD
(HORIZONTAL END OUTLET, FLANGE)

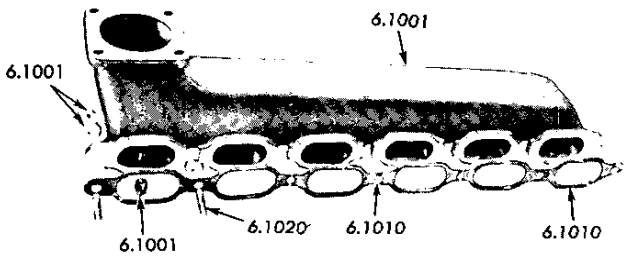

FIG. 1G EXHAUST MANIFOLD
(VERTICAL END OUTLET, FLANGE)

FIGS. 1F, 1G & 1H of 6.0000

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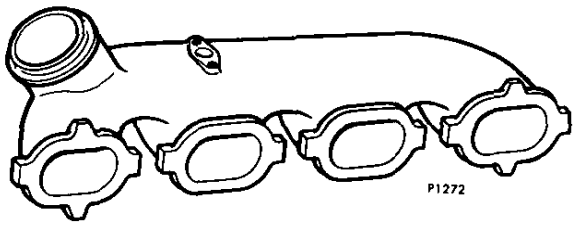

FIG. 1J EXHAUST MANIFOLD
(VERTICAL END OUTLET, MARMON)

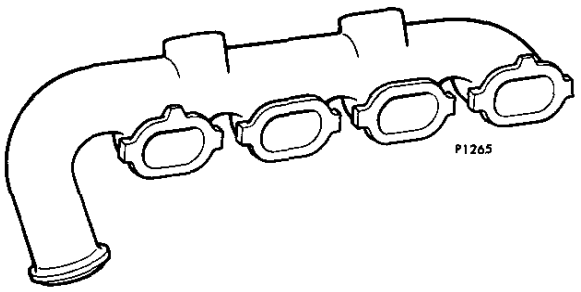

FIG. 1K EXHAUST MANIFOLD
(TURBO END OUTLET, MARMON)

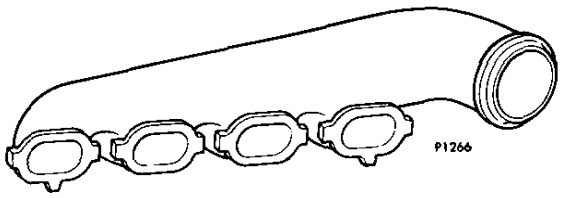

FIG. 1L EXHAUST MANIFOLD
(END OUTLET, MARMON)

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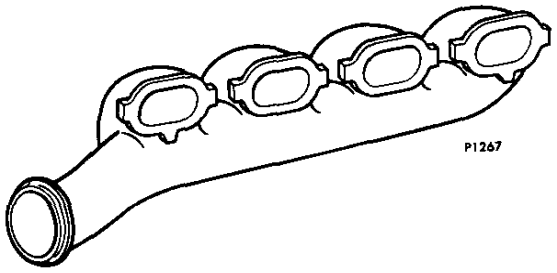

FIG. 1M EXHAUST MANIFOLD
(END OUTLET, MARMON)

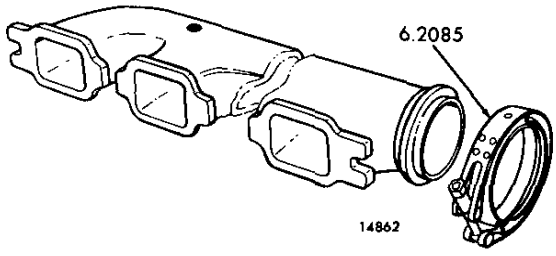

FIG. 1N EXHAUST MANIFOLD
(HORIZONTAL END OUTLET, MARMON)

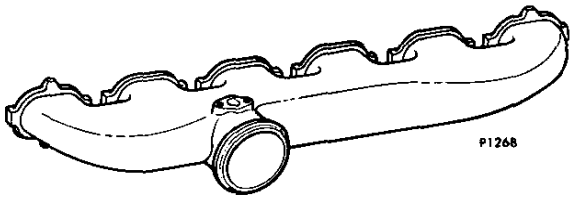

FIG. 1P EXHAUST MANIFOLD
(SIDE OUTLET, OFFSET, MARMON)

FIGS. 1M, 1N & 1P of 6.0000

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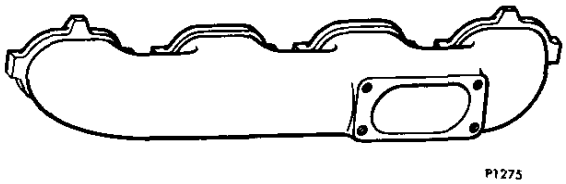

FIG. 1R EXHAUST MANIFOLD
(SIDE OUTLET, OFFSET, FLANGE)

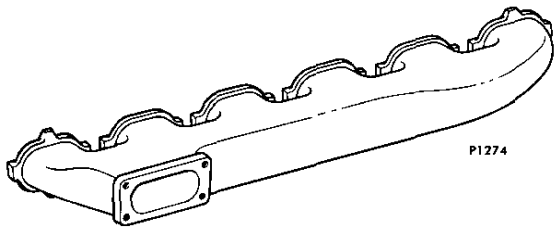

FIG. 1S EXHAUST MANIFOLD
(SIDE OUTLET, OFFSET, FLANGE)

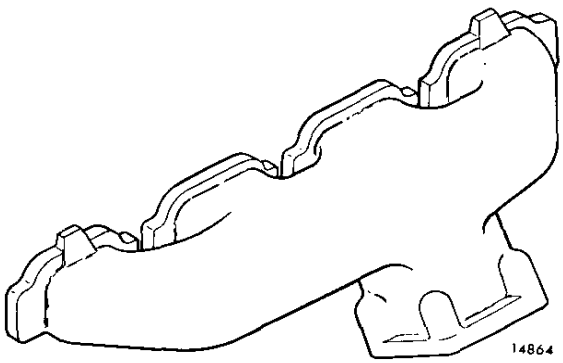

FIG. 1T EXHAUST MANIFOLD
(CENTER OUTLET, OFFSET, FLANGE)

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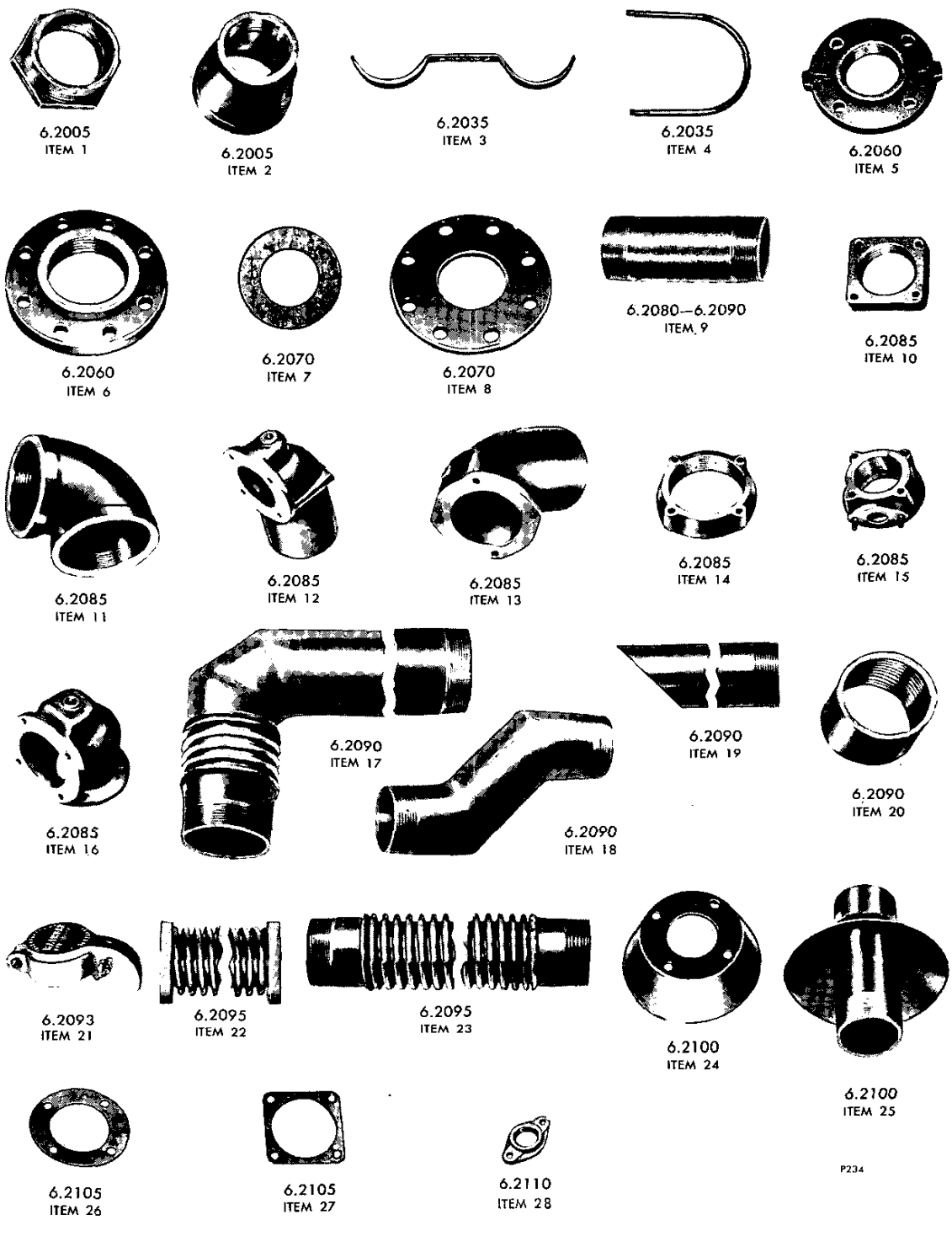

EXHAUST MUFFLER CONNECTION

Fig. 3C of 6.0000

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 107	109	127	128	129	138	139	140	143	144	145	146
	6.1001	**- MANIFOLD, EXHAUST**												
	NPN	MANIFOLD (CUSTOMER FURNISHED)								2		2		
1A	**5158679**	& MANIFOLD (END OUTLET, RIGHT BANK) (12V) (5162771)	1						1					
1A	**5158680**	& MANIFOLD (END OUTLET, LEFT BANK) (12V) (5162772)	1						1					
1A	**5162772**	MANIFOLD (END OUTLET, LEFT BANK) (12V)	1						1					
1A	**5162771**	MANIFOLD (END OUTLET, RIGHT BANK) (12V)	1						1					
1R,B	**5176730**	? MANIFOLD (SIDE OUTLET) (8-16V)		AR										
1C,#	**5163809**	& MANIFOLD (END OUTLET) (WATER COOLED) (8V) (8921706)			2									
1C	**5167140**	& MANIFOLD ASSY. (END OUTLET) (12V) (INCLUDES PLUGS) (8921704)				2								
1C,#	**5166485**	& MANIFOLD (END OUTLET) (WATER COOLED) (6V) (8921705)					2							
1A,G	**5124506**	% MANIFOLD (END OUTLET, LEFT BANK) (12V)						1						
1A,G	**5124639**	% MANIFOLD (END OUTLET, RIGHT BANK) (12V)						1						
1B	**5124438**	+ MANIFOLD (CENTER, VERTICAL OUTLET) (6V)									2			
1B,F	**3221866**	= MANIFOLD (DRY, CENTER OUTLET) (8V)											2	
1B	**5167184**	* MANIFOLD (DRY, CENTER OUTLET) (12V)												2
1B	**5108950**	MANIFOLD (DRY, CENTER OUTLET) (12V)												2
1F	**5108467**	FLANGE (6.2085)											2	
1F	**5145238**	GASKET (6.2105)											2	
1F	**5109158**	STUD (3/8"-16-24X2.40") (6.2115)											8	
1F	**113175**	PLUG, 1/8" BR. PIPE (12.9550)	2					2	2				2	2
1F	**5115214**	PLUG, 1/2" PIPE (12.9550)	2						2					
1F	**5111798**	PLUG (1" PIPE) (12.9550)				6								
1F	**5102735**	CRAB	4	4	4	4	4	4	4		4		4	4
1A	**5104439**	WASHER (DISHED, 1 1/4"O.D.)	14	6	6	10	8	10	14	10		10	10	14
	103321	LOCKWASHER, 3/8" (12.9200)											8	
	103323	LOCKWASHER, 7/16" (12.9200)											8	
	114547	NUT, 3/8"-24 BRASS (12.9120)											8	
1A	**9174746**	NUT (7/16"-20 LOCK) (12.9120)						14					10	
1A	**127855**	NUT, 7/16"-20 HEX. (12.9120)	14	10	10	14	8		14	10	8	10		14

FIG. 10D OF 5.0000.
@ FIG. 10A OF 5.0000.
& NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.
% NOT SERVICED; USE TYPE 204 AND INCLUDE ITEMS IN 6.2000A TYPE 233.
\+ NOT SERVICED; USE TYPE 229 AND INCLUDE ITEMS IN 6.2000A TYPE 234.
= NOT SERVICED; USE TYPE 193 AND INCLUDE FLANGE, GASKET AND STUD IN TYPE 145.
? QUANTITY OF 2 FOR 8V & 4 FOR 16V.

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 107	109	127	128	129	138	139	140	143	144	145	146
		6.1001 - MANIFOLD, EXHAUST (CONT'D)												
		6.1001. * NOT SERVICED; USE 5108950 MANIFOLD AND 4-5102735 CRAB.												
		6.1010 - GASKET, EXHAUST MANIFOLD												
1A,F	**5120224**	GASKET	4	4		4		4						4
1A,F	**5120223**	GASKET (INTERMEDIATE)	2			2		2						2
1A,F	**5150195**	GASKET							4				4	
1A,F	**5150194**	GASKET					2							
1A,F	**5150196**	GASKET (INTERMEDIATE)			4				2					
1A,F	**5122866**	GASKET									2			
		6.1020 - STUD, EXHAUST MANIFOLD												
1A,F	**5112899**	STUD (2 3/32"L.)	14	10		14		14	14		8			14
	8920631	BOLT, 5/16-18X1"			10		10							
1A,F	**3222533**	STUD (2.50"L.) (LEFT BANK) (6.2115)								5		10	14	
1A,F	**5125199**	STUD (4.26"L.) (RIGHT BANK)								5				
		6.1050 - STUD, EXHAUST MANIFOLD OUTLET												
1F	**5112899**	STUD (2 1/8"L.)		8										
		6.1100 - PLATE, EXHAUST MANIFOLD COVER												
1C,F	**5119921**	PLATE (PLAIN)			6	6	6							
1C,F	**5163834**	WASHER (5.5600)			12	12	12							
1C,F	**120376**	NUT, 5/16"-18 HEX. (12.9120)			12	12	12							
		6.1110 - GASKET, EXHAUST MANIFOLD COVER PLATE												
1C,F	**5156319**	GASKET (5.5610)			6	6	6							
		6.1120 - STUD, EXHAUST MANIFOLD COVER PLATE												
1C	**8920631**	BOLT, 5/16"-18X1" (12.9001)			10		10							
	5131685	BOLT, 5/16"-18 X 3/4" (5.1031)				16								
		6.1140 - FLANGE, EXHAUST MANIFOLD WATER OUTLET												
1C	**5119926**	FLANGE (3/4" PIPE TAP) (6.1100)			2	2	2							
	5163834	WASHER (5.5600)			4	4	4							
	120376	NUT, 5/16"-18 HEX. (12.9120)			4	4	4							

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 107	109	127	128	129	138	139	140	143	144	145	146
		6.1150 - GASKET, EXHAUST MANIFOLD W%ATER OUTLET FLANGE												
1C	5156319	GASKET (5.5810)			2	2	2							
		6.1160 - STUD, EXHAUST MANIFOLD WATER OUTLET FLANGE												
1C	5163867	STUD (5.5620)					4							
	8920631	BOLT, 5/16"-18X1" (12.9001)				4								

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6.1000A EXHAUST MANIFOLD

6.1001 - MANIFOLD, EXHAUST

▪ FOR TYPE 150 USE MANIFOLD TYPE 251 FOR 12V OR 252 FOR 16V. ▪

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 148	149	151	152	153	154	155	156	157	158
	NPN	MANIFOLD (CUSTOMER FURNISHED)		2								
1J	5124304	MANIFOLD (SIDE OUTLET) (MARMAN FLANGE) (LEFT BANK) (6V)	1					1				
1J	5124305	MANIFOLD (SIDE OUTLET) (RIGHT BANK) (6V)	1					1				
1A,G	5124224	MANIFOLD (END OUTLET) (8V)			2		2					
	5125523	+ MANIFOLD (HORIZONTAL OUTLET) (12V)				2						
	5123871	* MANIFOLD (END OUTLET) (MARMAN FLANGE) (LEFT BANK) (6V)						1				
1A	5126513	= MANIFOLD (END OUTLET) (RIGHT BANK) (8V)							1			
1A	5126515	= MANIFOLD (END OUTLET) (LEFT BANK) (8V)							1			
1A	5126512	= MANIFOLD (END OUTLET) (RIGHT BANK, WITH AUTOMATIC SHUTDOWN) (8V)								1		
1A	5126515	= MANIFOLD (END OUTLET) (LEFT BANK, WITH AUTOMATIC SHUTDOWN) (8V)								1		
	5126993	MANIFOLD (END OUTLET) (MARMAN FLANGE) (8V)									2	
1A	5126925	@ %MANIFOLD (END OUTLET, VERTICAL) (12V)										1
1A	5162771	# MANIFOLD (END OUTLET, VERTICAL) (12V)										1
1F	113175	PLUG, 1/8" BR. PIPE (12.9550)										2
	189080	& BUSHING, 3/4"X1/4" RED. (12.9570)							2	2		
	190367	& ELBOW, 1/4" STREET (12.9590)							2	2		
1C	103647	DRAINCOCK, 1/4" (12.9510)							2	2		
1F	5102735	CRAB	4		4	4	4	4	4	4	4	4
1A	5104439	WASHER (DISHED, 1 1/4"O.D.)	8	8	6	10	6	8	6	6	6	10
1A,F	9174746	NUT (7/16"-20 LOCK) (12.9120)										14
1A,F	127855	NUT, 7/16"-20 HEX. (12.9120)	8	8	10	14	10	8	10	10	10	

+ NOT SERVICED; USE TYPE 244 AND INCLUDE ITEMS IN 6.2000A TYPE 233.
* NOT SERVICED; USE SECOND MANIFOLD SHOWN IN TYPE.
= NOT SERVICED; USE TYPE 227 AND INCLUDE ITEMS IN 6.2000A TYPE 232.
@ L.B., REAR UP OR FORWARD DOWN; R.B., REAR DOWN OR FORWARD UP.
# R.B., REAR UP OR FORWARD DOWN, L.B., REAR DOWN OR FORWARD UP.
& IN CYLINDER BLOCK.
% NOT SERVICED, USE 5162772 AND MODIFY PIPING.

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 148	149	151	152	153	154	155	156	157	158
		6.1010 - GASKET, EXHAUST MANIFOLD										
1A,F	**5120224**	GASKET			4	4	4				4	4
1A,F	**5120223**	GASKET (INTERMEDIATE)				2						2
1A,F	**5150195**	GASKET							4	4		
1A,F	**5122866**	GASKET	2	2				2				
		6.1020 - STUD, EXHAUST MANIFOLD										
1A,F	**5112899**	STUD (2 3/32"L.)	8		10	14	10	8	10	10	10	8
1A,F	**3222533**	STUD (2.50"L.) (6.2115)		8								

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 160	161	163	164	167	170	172	173	175	177	178	180
		6.1001 - MANIFOLD, EXHAUST												
1B	**5150495**	± MANIFOLD (HORIZONTAL, SIDE OUTLET) (6V)	2											
1B,F	**5162689**	MANIFOLD (CENTER, VERTICAL OUTLET, RIGHT BANK) (6V)		1										
1B,F	**5162690**	MANIFOLD (CENTER, VERTICAL OUTLET, LEFT BANK) (6V)		1										
1B	**5124437**	* MANIFOLD (CENTER, VERTICAL OUTLET, RIGHT BANK) (6V)		1										
1B	**5124438**	* MANIFOLD (CENTER, VERTICAL OUTLET, LEFT BANK) (6V)		1										
1N	**5128195**	MANIFOLD (END OUTLET) (MARMAN FLANGE) (6V)			2									
1A,G	**5124506**	@ MANIFOLD (END OUTLET) (LEFT BANK) (12V)				1								
1A,G	**5124638**	@ MANIFOLD (END OUTLET) (RIGHT BANK) (12V)				1								
	5129079	# MANIFOLD (HORIZONTAL OUTLET) (8V)					2							
	5131490	MANIFOLD (HORIZONTAL OUTLET) (8V)					2							
	5167184	& MANIFOLD (CENTER OUTLET) (LEFT BANK) (12V)						1						
	5124639	% MANIFOLD (VERTICAL OUTLET) (RIGHT BANK) (12V)						1						
1A,G	**5176729**	MANIFOLD (END OUTLET) (12V)							2					
	5136897	MANIFOLD (SIDE OUTLET) (MARMAN FLANGE) (8V)								2				
1A	**5129648**	$ MANIFOLD (END OUTLET) (MARMAN FLANGE) (LEFT BANK) (6V)									1			
1A,G	**5129647**	= MANIFOLD (END OUTLET) (MARMAN FLANGE) (RIGHT BANK) (6V)									1			
1A,G	**5129643**	MANIFOLD (END OUTLET) (MARMAN FLANGE) (8V)										1		
1A,G	**5129644**	MANIFOLD (END OUTLET) (MARMAN FLANGE) (8V)										1		
1A,G	**5126993**	MANIFOLD (END OUTLET) (MARMAN FLANGE) (8V)											2	
1A,G	**5129498**	? MANIFOLD (THRU 16VA-102) (RIGHT BANK) (8-16V)												2
1A,G	**5129496**	+ MANIFOLD (THRU 16VA-102) (LEFT BANK) (8-16V)												2
1A,G	**5127794**	MANIFOLD (EFFECTIVE WITH 16VA-103) RIGHT BANK) (16V)												2
1A,G	**5127795**	MANIFOLD (EFF. WITH 16VA-103) (LEFT BANK) (16V)												2
1F	**5108632**	FLANGE (6.2085)		1										
	5108377	GASKET (6.2105)		1										
1F	**5109158**	STUD (3/8"-16-24X2.40") (6.2115)		4										
1F	**113175**	PLUG, 1/8" BR. PIPE (12.9550)				2		2						
1F	**5102735**	CRAB		4	4	4	4	2		4	4	4	4	8
1A	**5104439**	WASHER, DISHED (1 1/4"O.D.)	8	8	4	10	6	12	14	6	4	6		

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 160	161	163	164	167	170	172	173	175	177	178	180
		6.1001 - MANIFOLD, EXHAUST (CONT'D)												
1F	**103321**	LOCKWASHER, 3/8" (12.9200)		4										
1F	**114547**	NUT, 3/8"-24 BRASS (12.9120)		4										
1A,F	**127855**	NUT, 7/16"-20 HEX. (12.9120)	8	8	8		10			10	8			20
1A,F	**9174746**	NUT, 7/16"-20 LOCK HEX. (12.9120)				14		14	14			10	10	
		* NOT SERVICED; USE MANIFOLD 5162689 OR 5162690 & INC. ITEMS IN 6.2000A TYPE 234.												
		@ NOT SERVICED; USE 5162810 MANIFOLD OR 5130354 MANIFOLD & INC. (1) 5108921 FLANGE, (1) 5108989 GASKET, (4) 5109158 STUDS, (4) 114548 NUTS & (4) 103323 LOCKWASHERS.												
		# NOT SERVICED; USE 5131490 MANIFOLD & INC. ITEMS IN 6.2000A TYPE 233.												
		& NOT SERVICED; USE 5108950 MANIFOLD												
		% NOT SERVICED; USE 5130355 MANIFOLD & INC. ITEMS IN 6.2000A TYPE 233.												
		$ NOT SERVICED; USE 5129646 & INC. (1) 5121098 PLATE, (1) 5113412, (2) 186618 BOLTS, (2) 103320 LOCKWASHERS.												
		= NOT SERVICED; USE 5129649 & INC. (1) 5121098 PLATE, (1) 5113412, (2) 186618 BOLTS, (2) 103320 LOCKWASHERS.												
		? NOT SERVICED; REPLACE WITH 5130720 MANIFOLD.												
		+ NOT SERVICED; REPLACE WITH 5130718 MANIFOLD.												
		± OBSOLETE.												
		6.1010 - GASKET, EXHAUST MANIFOLD												
1A,F	**5122866**	GASKET	2	2	2						2			
1A,F	**5120223**	GASKET (INTERMEDIATE)				2		2	2					
1A,F	**5120224**	GASKET				4		4	4	4		4		
1A,F	**5150195**	GASKET					4							2
		6.1020 - STUD, EXHAUST MANIFOLD												
1A	**5112899**	STUD (2 3/32"L.)	8	8	8	14	10	14	14	10	8	10	10	20
		6.1050 - STUD, EXHAUST MANIFOLD OUTLET												
	5112899	STUD (2 1/8"L.)	8											
	5145839	@ STUD (1/2"-13X2 5/16")							8					
		@ OBSOLETE.												

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 181	185	186	191	192	193	194	203	204	205	206	207
	6.1001	**- MANIFOLD, EXHAUST**												
1G	**5124639**	* MANIFOLD (VERTICAL OUTLET) (LEFT BANK) (12V)								1				
1A,G	**5163809**	+ MANIFOLD (WATER COOLED, END OUTLET) (16V) (8921706)	4											
1B	**3221866**	@ MANIFOLD (CENTER, VERTICAL OUTLET) (16V)		4										
1A,G	**5124224**	MANIFOLD (END OUTLET) (LEFT BANK) (8V)			1									
1L	**5129985**	MANIFOLD (RIGHT BANK) (8V)			1									
1A,G	**5126993**	MANIFOLD (END OUTLET) (RIGHT BANK) (8V)				1								
1B	**5125166**	MANIFOLD (CENTER OUTLET) (LEFT BANK) (8V)				1								
1A,G	**5126513**	# MANIFOLD (END OUTLET) (RIGHT BANK, REAR) (16V)					1							
1A,G	**5126515**	# MANIFOLD (END OUTLET) (LEFT BANK, REAR) (16V)					1							
1B	**5108427**	MANIFOLD (CENTER OUTLET) (16V)					2	2						
1B	**5108950**	MANIFOLD (CENTER OUTLET) (8-16V)							2					
1G	**5162810**	MANIFOLD (END OUTLET) (RIGHT BANK) (12V)								1	1			
1G	**5130355**	MANIFOLD (VERTICAL OUTLET) (RIGHT BANK) (12V)									1			
1L	**5162865**	MANIFOLD (RIGHT BANK) (MARMAN FLANGE) (8V)										1		
1L	**5162866**	MANIFOLD (LEFT BANK) (MARMAN FLANGE) (8V)										1		
1B	**5125166**	MANIFOLD (CENTER OUTLET) (RIGHT BANK) (8V)											1	
1B	**5125167**	MANIFOLD (CENTER OUTLET) (LEFT BANK) (8V)											1	
1A	**5124224**	MANIFOLD (END OUTLET) (8V)												2
	5137618	CLAMP, EXHAUST CONNECTION										2		
1F	**113175**	PLUG, 1/8" BR. PIPE (12.9550)		4			2	2	2	2	2			
1F	**5111798**	PLUG, 1" PIPE (12.9550)	12											
	189060	BUSHING, 1/4"X1/4" RED. (12.9570)					2							
	190367	ELBOW, 1/4" STREET (12.9590)					2							
1C	**103647**	DRAINCOCK, 1/4" (12.9510)					2							
1F	**5102735**	CRAB	8		4	4	8	4	4	4	4	4	4	4
1A	**5104439**	WASHER, DISHED (1 1/4"O.D.)	12	20	6	6	12	6	10	10	10	9	6	6
1A	**127855**	NUT, 7/16"-20 HEX. (12.9120)	20	20	10	10	20	10	14				10	
1A	**9174746**	NUT, 7/16"-20 LOCK HEX. (12.9120)								14	14	13		10

* NOT SERVICED; USE 5130354 MANIFOLD & INC. ITEMS IN 6.2000A TYPE 233.

@ NOT SERVICED; USE TYPE 193 AND INC. FLANGE, GASKET & STUD IN 6.1001.

NOT SERVICED; USE 5130306 OR

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 181	185	186	191	192	193	194	203	204	205	206	207
		6.1001 - MANIFOLD, EXHAUST (CONT'D)												
		5130308 & (1) 5108351 FLANGE, (1) 5108920 GASKET, (4) 5109158 STUDS, (4) 103321 LOCKWASHERS AND (4) 114547 NUTS.												
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.												
		6.1010 - GASKET, EXHAUST MANIFOLD												
1A,F	**5120223**	GASKET (INTERMEDIATE)							2	2	2			
1A,F	**5120224**	GASKET	8		4	4			4	4	4		4	4
1A,F	**5150195**	GASKET		2			2	4						
1A,F	**5113954**	GASKET										2		
		6.1020 - STUD, EXHAUST MANIFOLD												
1A,F	**5112899**	STUD (2 3/32"L.)	20	20	10	10	20	10	14	14	14	13	10	10
		6.1050 - STUD, EXHAUST MANIFOLD OUTLET												
	5131685	BOLT (5/16"-18 X 3/4")	40											
		6.1100 - PLATE, EXHAUST MANIFOLD COVER												
1F	**5119921**	PLATE	10											
1F	**5119923**	PLATE	2											
1C	**103647**	DRAINCOCK, 1/4" (12.9610)	1											
1C	**148344**	DRAINCOCK, 1/4" (12.9510)	1											
	5163834	WASHER (5/16" FLAT) (BRASS) (5.5600)	24											
•	**120376**	NUT, 5/16"-18 HEX. (12.9120)	24											
		6.1110 - GASKET, EXHAUST MANIFOLD COVER PLATE												
1F	**5156319**	GASKET (5.5610)	12											
		6.1140 - FLANGE, EXHAUST MANIFOLD WATER OUTLET												
1C	**5119926**	FLANGE	8											
	5163834	WASHER (5/16" FLAT) (BRASS) (5.5600)	16											
	120376	NUT, 5/16"-18 HEX. (12.9120)	16											
		6.1150 - GASKET, EXHAUST MANIFOLD WATER OUTLET FLANGE												
1C	**5156319**	GASKET (5.5610)	8											

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 181	185	186	191	192	193	194	203	204	205	206	207
		6.1180 - TUBE, EXHAUST CROSSOVER												
	5162867	TUBE										1		
		6.1190 - ADAPTOR, EXHAUST PIPE												
	5130630	ADAPTOR (LEFT BANK) (6.2085)										1		
1A	**5112899**	STUD (2 3/32"L.) (6.1020)										4		
1A	**9174746**	NUT, 7/16"-20 LOCK HEX. (12.9120)										4		
		6.1195 - GASKET, EXHAUST PIPE ADAPTOR												
	5130800	GASKET (6.2105)										1		

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 210	213	219	220	221	222	225	227	229	231	232	235
		6.1001 - MANIFOLD, EXHAUST												
	5130761	* MANIFOLD (SIDE OUTLET) (MARMAN FLANGE) (LEFT BANK) (6V)	1											
1A,G	5135974	& MANIFOLD (END OUTLET) (16V)		2										
1A,G	5135975	= MANIFOLD (END OUTLET) (16V)		2										
1A,G	5129022	MANIFOLD (END OUTLET, MARMAN FLANGE) (RIGHT BANK) (8V)			1									
1A,G	5126993	MANIFOLD (END OUTLET, MARMAN FLANGE) (LEFT BANK) (8V)			1									
1A,G	5130720	+ MANIFOLD (VERTICAL END OUTLET) (R. BANK) (8V)				1								
1A,G	5130718	MANIFOLD (VERTICAL END OUTLET) (L. BANK) (8V)				1								
1A,G	5130306	@ MANIFOLD (END OUTLET) (RIGHT BANK) (8V)					1						1	
1A,G	5130308	MANIFOLD (END OUTLET) (LEFT BANK) (8V)					1			1			1	
1F	5124304	MANIFOLD (SIDE OUTLET, MARMAN FLANGE) (6V)						2						
1A,G	5162689	MANIFOLD (CENTER VERTICAL OUTLET) (RIGHT BANK) (6V)							1					
1A	5162690	MANIFOLD (CENTER VERTICAL OUTLET) (LEFT BANK) (6V)							1					
1A,G	5130305	MANIFOLD (END OUTLET) (RIGHT BANK) (8V)								1				
1A,G	5162690	MANIFOLD (CENTER VERTICAL OUTLET) (6V)									2			
1A,G	5129648	? MANIFOLD (END OUTLET, MARMAN FLANGE) (LEFT BANK) (6V)										1		
1A,G	5124305	MANIFOLD (SIDE OUTLET, MARMAN FLANGE) (RIGHT BANK) (6V)	1									1		
1B	5108427	MANIFOLD (CENTER VERTICAL OUTLET) (8-16V)											2	
1B	5114950	MANIFOLD (CENTER VERTICAL OUTLET) (8V)												2
	189060	BUSHING, 1/4"X1/4" RED. (12.9570)					2			2			2	
	2011306	ELBOW, 1/4"-45 DEG. STREET (12.9590)											2	
1C	103647	DRAINCOCK, 1/4" (12.9510)					2			2			2	
1F	5102735	CRAB	4	8	4	4	4	4	4	4	4	4	4	
1F	113175	PLUG, 1/8" PIPE (BRASS) (12.9550)							2		2		2	
1F	5101377	BOLT, 3/8"-16X1" (12.9001)							12		12			
1A	5104439	WASHER, DISHED (1 1/4"O.D.)	4	12	6	6	6	4	4	6	4	4	4	10
1A	9174746	NUT, 7/16"-20 LOCK HEX. (12.9120)		20		10				10				10
1A	127855	NUT, 7/16"-20 HEX. (12.9120)	8		10		10	8	8		8	8	10	

* OBSOLETE.
& LEFT BANK REAR, RIGHT BANK FRONT.
= RIGHT BANK REAR, LEFT BANK FRONT.
+ NOT SERVICED, REPLACE WITH 5130719, INCLUDE (1) 5121098 COVER, (1) 5113412 GASKET, (2) 186618

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 210	213	219	220	221	222	225	227	229	231	232	235
		6.1001 - MANIFOLD, EXHAUST (CONT'D)												
		BOLTS AND (2) 103320 LOCKWASHERS.												
		@ NOT SERVICED, USE 5130305 PLUS (1) 5121098, (1) 5113412, (2) 186618 AND (2) 103320.												
		? NOT SERVICED; USE 5129646 AND INCLUDE (1) 5121098 PLATE, (1) 5113412, (2) 186618 BOLTS AND (2) 103320 LOCKWASHERS.												
		6.1010 - GASKET, EXHAUST MANIFOLD												
1A,F	**5120224**	GASKET		8	4									
1A,F	**5150196**	GASKET				4	4			4			4	
1A,F	**5122866**	GASKET	2					2	2		2	2		2
		6.1020 - STUD, EXHAUST MANIFOLD												
1A,F	**5112899**	STUD (2 3/32"L.)	8	16	10	10	10	8	8	10	8	8	10	10

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 236	237	240	241	243	244	246	247	251	252	253	260
		6.1001 - MANIFOLD, EXHAUST												
	NPN	MANIFOLD (CUSTOMER FURNISHED)									2	2		
1A	5135974	* MANIFOLD (END OUTLET) (16V)	2									2		
1A	5135975	& MANIFOLD (END OUTLET) (16V)	2											
1A	5126993	MANIFOLD (END OUTLET, MARMAN FLANGE) (LEFT BANK) (8V)		1										
1B	5108427	MANIFOLD (CENTER VERTICAL OUTLET) (8-16V)								2				
1A	5129643	MANIFOLD (END OUTLET, MARMAN FLANGE) (RIGHT BANK) (8V)		1										
1A	5129644	MANIFOLD (END OUTLET, MARMAN FLANGE) (8V)			1									1
1A	5134131	MANIFOLD (END OUTLET, LEFT BANK) (8V)			1									
1A	5162810	MANIFOLD (END OUTLET, LEFT BANK) (12V)				2								
1A	5130720	+ MANIFOLD (VERTICAL END OUTLET) (8V)					2							
1A	5162715	MANIFOLD (END OUTLET) (12V)						2						
1A	5131490	MANIFOLD (END OUTLET) (8V)							2					
1A	5135975	= MANIFOLD (END OUTLET) (16V)											1	
1A	5134211	# MANIFOLD (END OUTLET) (16V)											1	
1B	5125166	MANIFOLD (CENTER OUTLET, RIGHT BANK) (8V)												1
1F	5102735	CRAB	8	4	4	4	4	4	4	8			8	4
	113175	PLUG, 1/8" PIPE (BRASS) (12.9550)				2				2				
1A	5104439	WASHER, 7/16"	12	6	6	10	6	10	6	6	14	20	12	6
1A	9174746	NUT, 7/16"-20 LOCK HEX. (12.9120)	20			14				10	14	20	20	
1A	127855	NUT, 7/16"-20 HEX. (12.9120)		10	10		10	14	10					10
		* LEFT BANK REAR, RIGHT BANK FRONT.												
		& RIGHT BANK REAR, LEFT BANK FRONT.												
		+ NOT SERVICED, REPLACE WITH 5130719, INCLUDE (1) 5121098 COVER, (1) 5113412 GASKETS, (2) 186618 BOLTS AND (2) 103320 LOCKWASHERS.												
		= LEFT BANK FRONT.												
		# RIGHT BANK REAR.												
		6.1010 - GASKET, EXHAUST MANIFOLD												
1A	5120224	GASKET	8	4	4	4		4		4	4	8	8	4
1A	5150196	GASKET					4		4					
1A	5120223	GASKET (INTERMEDIATE)				2		2			2			
		6.1020 - STUD, EXHAUST MANIFOLD												
1A	5112899	STUD (2 3/32"L.)	20	10	10	14	10	14	10	10			20	10
1A	3222533	STUD (2 1/2"L.)									14	20		

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 262	264	265	266	267	268	269	272	275	280	281	284
		6.1001 - MANIFOLD, EXHAUST												
	NPN	MANIFOLD (CUSTOMER FURNISHED)												2
1A,G	5135933	MANIFOLD (END OUTLET, RIGHT BANK) (6V)	1											
1A,G	5135932	MANIFOLD (END OUTLET, LEFT BANK) (6V)	1											
	5136245	MANIFOLD MUFFLER COMBINATION (R. BANK) (6V)		1										
	5136246	MANIFOLD MUFFLER COMBINATION (L. BANK) (6V)		1										
	5130355	MANIFOLD (VERTICAL OUTLET, RIGHT BANK) (12V)			2									
	5135974	@ MANIFOLD (END OUTLET) (16V)				2				2				
	5135975	MANIFOLD (END OUTLET) (16V)				2								
1A,G	5130717	MANIFOLD (VERTICAL END OUTLET, RIGHT) (BANK REAR) (16V)					1							
1A,G	5130718	MANIFOLD (VERTICAL END OUTLET) (8-16V)					1							
1A,G	5130720	+ MANIFOLD (VERTICAL END OUTLET) (16V)					2							
1A,G	5118989	MANIFOLD (END OUTLET) (8V)						2						
*	5129644	MANIFOLD (END OUTLET, MARMAN FLANGE, RIGHT BANK) (8V)							1			1		
1B	5125166	MANIFOLD (CENTER OUTLET, RIGHT BANK) (8V)							1			1		
	5136048	# MANIFOLD (END OUTLET) (16V)								1				
	5135975	& MANIFOLD (END OUTLET) (16V)								1				
1A,G	5135379	MANIFOLD (VERTICAL END OUTLET) (8V)									2			
1A,G	5135379	MANIFOLD (VERTICAL END OUTLET) (L. BANK) (8V)											1	
	5143803	% MANIFOLD (END OUTLET) (8V)											1	
1F	113175	PLUG, 1/8" BR. PIPE (12.9550)	2		2									
1F	5102735	CRAB	4		4	8	8		4	8	4	4	4	
1A	5104439	WASHER, DISHED (1 1/4"O.D.)	4	8	10	12	12	10	6	12	6	6	6	10
1A	127855	NUT, 7/16"-20 HEX. (12.9120)	8	8			20		10		10	10	10	10
1A	9174746	NUT, 7/16"-20 LOCK HEX. (12.9120)			14	20		10		20				
		* FIG. 13A OF 1.0000.												
		@ LEFT BANK REAR, RIGHT BANK FRONT.												
		+ NOT SERVICED, REPLACE WITH 5130719, INCLUDE (1) 5121098 COVER, (1) 5113412, (2) 186618 BOLTS AND (2) 103320 LOCKWASHERS TO ASSURE INTERCHANGEABILITY.												
		# RIGHT BANK, REAR.												
		& LEFT BANK, FRONT.												
		% INCLUDE (1) 5121098 COVER, (1) 5113412 GASKET (2) 186618 BOLTS AND (2) 103320 LOCKWASHERS.												
		6.1010 - GASKET, EXHAUST MANIFOLD												
1A,F	5122866	GASKET	2	2										
1A,F	5120223	GASKET (INTERMEDIATE)			1									
1A,F	5120224	GASKET			4	8		4	4	8	4	4	4	

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 262	264	265	266	267	268	269	272	275	280	281	284
		6.1010 - GASKET, EXHAUST MANIFOLD (CONT'D)												
1A,F	**5150196**	GASKET					8							4
		6.1020 - STUD, EXHAUST MANIFOLD												
1A,F	**5112899**	STUD (2 3/32"L.)	8		14	20	16	10	10	20	10	10	10	
1A,F	**3222533**	STUD (2 1/2"L.) (6.2115)		8										10
		6.1100 - PLATE, EXHAUST MANIFOLD COVER												
1F	**5121098**	PLATE											1	
1F	**186618**	BOLT, 5/16"-18X5/8" (12.9001)											2	
1F	**103320**	LOCKWASHER, 5/16" (12.9200)											AR	
		6.1110 - GASKET, EXHAUST MANIFOLD COVER PLATE												
1F	**5113412**	GASKET (7.4510)											1	

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 285	286	295	297	298	302	315	330	332	348	351	372
		6.1001 - MANIFOLD, EXHAUST												
	NPN	MANIFOLD (CUSTOMER FURNISHED)		2				2						
1N	5139153	MANIFOLD (HORIZONTAL END OUTLET, MARMAN FLANGE) (RIGHT BANK) (12V)							1					
1N	5139204	MANIFOLD (END OUTLET, MARMAN FLANGE) (LEFT BANK) (12V)							1					
1A	5130718	MANIFOLD (VERTICAL END OUTLET) (8-16V)					2							1
	5136897	MANIFOLD (CENTER OUTLET, MARMAN FLANGE) (8V)	2											
1P	5115393	MANIFOLD (SIDE OUTLET, MARMAN FLANGE) (12V)			2									
1B,F	5108427	MANIFOLD (VERTICAL CENTER OUTLET) (16V)				3								
1B,F	5135918	MANIFOLD (VERTICAL CENTER OUTLET) (16V)				1								
	5140822	* MANIFOLD (VERTICAL CENTER OUTLET) (16V)								2	2			
	5140748	# MANIFOLD (VERTICAL CENTER OUTLET) (L. BANK) (16V)								1	2			
	5140749	@ MANIFOLD, END OUTLET (R. BANK) (16V)								1				
	5135973	+ MANIFOLD (WATER COOLED, END OUTLET) (12V)										2		
1B	5147323	& MANIFOLD (CENTER VERTICAL OUTLET) (12V)											1	
1B	5147314	% MANIFOLD (CENTER VERTICAL OUTLET) (12V)											1	
1A	5130719	MANIFOLD (VERTICAL END OUTLET) (8V)												1
1F	113175	PLUG, 1/8" BR. PIPE (12.9550)				4								
1F	5102735	CRAB	4		4	8	4	4	4	8	8	4	4	4
1F	103198	STUD, 3/8"X2 1/16" (12.9117)											8	
1F	103196	STUD, 3/8"X1 9/16" (12.9117)											2	
1A	5104439	WASHER, DISHED (1 1/4"O.D.)	6	14	10	12	16	14	10	12	12	10	16	6
1A	127855	NUT, 7/16"-20 HEX. (12.9120)	10	14		20	10					14		10
1A	9174746	NUT, 7/16"-20 LOCK HEX. (12.9120)			14			14	14	20	20		14	
		* LEFT BANK REAR, RIGHT BANK FRONT.												
		# LEFT BANK, FRONT.												
		@ NOT SERVICED, REPLACE WITH (1) 5140748.												
		& LB FOR TURBO EXHAUST TO REAR. RB FOR TURBO EXHAUST TO FRONT.												
		% RB FOR TURBO EXHAUST TO REAR. LB FOR TURBO EXHAUST TO FRONT.												
		+ NOT SERVICED, REPLACE WITH 5167140 PLUS (10) 5123282 STUDS, AND (2) 5111798 PLUGS.												
		6.1010 - GASKET, EXHAUST MANIFOLD												
1A,G	5120223	GASKET (INTERMEDIATE)		1	1			1						
1A,G	5120224	GASKET	4	4	4			4	4	8	8		4	
1A,G	5150196	GASKET				8	4					6		4

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 285	286	295	297	298	302	315	330	332	348	351	372
		6.1010 - GASKET, EXHAUST MANIFOLD (CONT'D)												
1A	5120222	GASKET											2	
		6.1020 - STUD, EXHAUST MANIFOLD												
1A	5112899	STUD (2 3/32"L.)	10			16	10	14		20	20	14	20	
1A	3222533	STUD (2 1/2"L.) (6.2115)	10											
		6.1100 - PLATE, EXHAUST MANIFOLD COVER												
1F	5119921	PLATE										4		
1F	5121098	PLATE								4	4			
1F	5119923	PLATE										2		
1F	5119926	PLATE										2		
1F	186618	BOLT, 5/16"-18X5/8" (12.9001)								2	8			
1F	103320	LOCKWASHER, 5/16" (12.9200)								AR	AR	AR		
	120376	NUT, 5/16"-18 HEX. (12.9120)										16		
		6.1110 - GASKET, EXHAUST MANIFOLD COVER PLATE												
1F	5113412	GASKET (7.4510)								4	4			
1F	5156319	GASKET (5.5610)										8		
		6.1120 - STUD, EXHAUST MANIFOLD COVER PLATE												
1F	5123282	STUD (STEEL) (5.5620)										10		

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 374	377	402	406	407	408	419	420	423	424	432	441
		6.1001 - MANIFOLD, EXHAUST												
1N	5136688	MANIFOLD (CENTER VERTICAL OUTLET) (RIGHT AND LEFT BANK) (8V)	2											
	5168773	@ MANIFOLD (WATER COOLED) (12V)		2										
1C	5163809	+ MANIFOLD (END OUTLET) (8V) (8921706)			2									
1B	5108427	MANIFOLD (CENTER VERTICAL OUTLET) (8V)				1								
1B	5135918	MANIFOLD (CENTER VERTICAL OUTLET) (8V)				1								
1B	5133628	MANIFOLD (CENTER VERTICAL OUTLET) (12V)					1							
1B	5108950	MANIFOLD (CENTER VERTICAL OUTLET) (12V)					1							
1C	5167140	+ MANIFOLD (END OUTLET) (12V) (8921704)						2						
1C	5129645	MANIFOLD (END OUTLET) (8V)							1		1			
1C	5129642	MANIFOLD (END OUTLET) (8V)							1					
1C	5129649	MANIFOLD (END OUTLET) (6V)								1				
1C	5129646	MANIFOLD (END OUTLET) (6V)								1				
1C	5129644	MANIFOLD (END OUTLET) (8V)									1			
1C	5162715	MANIFOLD (END OUTLET) (12V)										1		1
1C	5162723	MANIFOLD (END OUTLET) (12V)										1		
1C	5135975	MANIFOLD (END OUTLET) (8V)											2	
1B	5147323	MANIFOLD (CENTER VERTICAL OUTLET) (12V)												1
1F	5102735	CRAB	4	4	4	4	4	4	4	4	4	4	4	4
1F	103196	STUD, 3/8"X1 9/16" (12.9117)												2
1F	103198	STUD, 3/8"X2 1/16" (12.9117)												4
1F	113175	PLUG, 1/8" BRASS PIPE (12.9550)				2	2							
1F	5142549	PLUG, 3/4" PIPE (12.9550)							2					
1A	5104439	WASHER, DISHED (1 1/4"O.D.)	6	10	6	6	10	10	6	4	6	10	6	13
1A	127855	NUT, 7/16"-20 HEX. (12.9120)		14	10	10	14	14	10	8	10	14	10	
1A	9174748	NUT, 7/16"-20 LOCK HEX. (12.9120)	10											17
		@ NOT SERVICED; USE 5167140 PLUS 4-5111798 PLUGS.												
		+ NOT SERVICED, USE NUMBER IN PARENTHESES.												
		6.1010 - GASKET, EXHAUST MANIFOLD												
1B	5113954	GASKET	2											
1A,G	5120224	GASKET		4			4		4		4	4		4
1A,G	5120223	GASKET (INTERMEDIATE)		2			2					2		1
1A,G	5150196	GASKET			4	4		6					4	
1A,G	5122866	GASKET								2				
1A,G	5120222	GASKET												1
		6.1020 - STUD, EXHAUST MANIFOLD												
1B	5112899	STUD, 2 3/32"L.	10	14		10	14	10	10	8	10	14	10	17
1F	5123282	STUD, 5/16"-18X1 7/32"L. (5.5620)			10									

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 374	377	402	406	407	408	419	420	423	424	432	441
		6.1100 - PLATE, EXHAUST MANIFOLD COVER												
1C	5119921	PLATE (PLAIN)		6	4			4						
	5119923	PLATE			2			2						
1C	5121098	PLATE							2	2	2	1		
1C	186618	BOLT, 5/16"-18X5/8" (12.9001)							4	4	4	2		
1C	103320	LOCKWASHER, 5/16" (12.9200)		AR	AR			AR	AR	AR	AR	AR		
1C	120376	NUT, 5/16"-18 HEX. (12.9120)		12	12			12						
		6.1110 - GASKET, EXHAUST MANIFOLD COVER PLATE												
1C	5156319	GASKET (5.5610)		6	8			8						
1C	5113412	GASKET (7.4510)							2	2	2	1		
		6.1120 - STUD, EXHAUST MANIFOLD COVER PLATE												
1C	5123282	STUD, 5/16"-18X1 7/32"L. (5.5620)		16	10			16						
		6.1140 - FLANGE, EXHAUST MANIFOLD WATER OUTLET												
1C	5119926	PLATE (3/4" PIPE TAP) (6.1100)		2	2			2						
1C	103320	LOCKWASHER, 5/16" (12.9200)		4	4			4						
1C	120376	NUT, 5/16"-18 HEX. (12.9120)		4	4			4						
		6.1150 - GASKET, EXHAUST MANIFOLD WATER OUTLET FLANGE												
1C	5156319	GASKET (5.5610)		2										
		6.1160 - STUD, EXHAUST MANIFOLD WATER OUTLET FLANGE												
1C	5123282	STUD, 5/16"-18X1 7/32" (5.5620)		4				4						
		6.1195 - GASKET, EXHAUST PIPE ADAPTOR												
	5130602	GASKET											2	

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6.1000A EXHAUST MANIFOLD AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 446	447	461	462	470	478	479	491	501	503	507	513	524
		6.1001 - MANIFOLD, EXHAUST													
1C	**5162715**	MANIFOLD, 12V END OUTLET		1											
1B	**5147323**	MANIFOLD, 12V CENTER VERT OUTLET	1	1											
1B	**5147314**	MANIFOLD, 12V CENTER VERT OUTLET	1												
	5101435	MANIFOLD, 6V L. BANK VERTICAL SIDE OUTLET MARMAN FLANGE					1								
	5101436	MANIFOLD, 6V R. BANK VERTICAL SIDE OUTLET MARMAN FLANGE					1								
1G	**5129985**	MANIFOLD, 8V HORZ END OUTLET R. BANK						1							
1G	**5130719**	MANIFOLD, 8V END OUTLET VERT												1	
1N	**5129644**	MANIFOLD, 8V END OUTLET L. BANK MARMAN FLANGE						1							
1C	**8921706**	MANIFOLD, 8V HORZ END OUTLET										2			
1G	**5130718**	MANIFOLD, 8V END OUTLET VERT											1		
1G	**5134131**	MANIFOLD, 8V END OUTLET VERT R. BANK													1
1G	**5130305**	MANIFOLD, 8V END OUTLET VERT											1	1	
1G	**5130308**	MANIFOLD, 8V END OUTLET VERT L. BANK													1
1L	**5100756**	MANIFOLD, 8V END OUTLET R. BANK MARMAN FLANGE			1	1									
1L	**5162865**	MANIFOLD, 8V END OUTLET R. BANK MARMAN FLANGE							1						
1L	**5100993**	MANIFOLD, 8V END OUTLET L. BANK MARMAN FLANGE			1										
	5102979	MANIFOLD, 8V END OUTLET L. BANK							1						
	5104271	MANIFOLD, 6V HORZ END OUTLET R. BANK									1				
	5129022	MANIFOLD, 8V END OUTLET, R. BANK MARMAN FLANGE								1					
	5103657	MANIFOLD, 6V END OUTLET VERT L. BANK									1				
	5126993	& MANIFOLD, 8V END OUTLET L. BANK								1					
1L	**5148429**	MANIFOLD, 8V L. BANK END OUTLET MARMAN FLANGE				1									
	113175	PLUG, 1/8" (12.9550)									1		1	1	2
1F	**5102735**	CRAB	4	4	4	4	4	4	4	4	4	4	4	4	4
1F	**103196**	STUD, 3/8"X1 9/16" (12.9117)	2	1											
	8927270	STUD, 3/8"-16-24X1.62" (12.9117)		1											
1F	**5109158**	STUD, 3/8"X2 1/2" (6.2115)	4												
1F	**103198**	STUD, 3/8"X2 1/16" (12.9117) & FOR 16V USE TYPE 109.	4	4											
		6.1010 - GASKET, EXHAUST MANIFOLD													
1A,G	**5120224**	GASKET	4	4	4	4		4		4		4	4	4	4
	5113954	GASKET							2						
1A,G	**8925587**	GASKET	2	1											
1A,G	**5120223**	GASKET (INTERMEDIATE)		1											
1A,G	**5122866**	GASKET					2				2				
1A,G	**5156319**	GASKET (5.5610)										8			
		6.1020 - STUD, EXHAUST MANIFOLD TO HEAD													
1B,F	**8925804**	STUD, 7/16"-14X2 3/32"	20	17	10	10	8	10	13	10	8		10	10	10
1B,F	**5123282**	STUD, 5/16"-18X1 7/32" (5.5620)										20			
	5104439	WASHER, 7/16"	16	13	6	6	4	6	9	6	4	6	4	4	6
1A	**9174746**	NUT, 7/16"-20 (12.9120)	20	17		10	8		13				10		
	127855	NUT, 7/16"-20 (12.9120)			10			10		10	8	10		10	10

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6.1000A EXHAUST MANIFOLD AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 446	447	461	462	470	478	479	491	501	503	507	513	524
		6.1100 - PLATE, EXHAUST MANIFOLD COVER													
1C	**5119926**	PLATE										2			
1C	**5121098**	PLATE	1							1					
1C,F	**5119921**	PLATE										6			
1C	**186618**	BOLT, 5/16"-18X5/8" (12.9001)	2							2					
1C	**103320**	LOCKWASHER, 5/16" (12.9200)	AR							2		AR			
1C	**120376**	NUT, 5/16" (12.9120)										16			
		6.1110 - GASKET, EXHAUST MANIFOLD COVER PLATE													
1C	**5113412**	GASKET (7.4510)	1							1					

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6.1000A EXHAUST MANIFOLD AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 446	447	461	462	470	478	479	491	501	503	507	513	524
		6.1180 - TUBE, EXHAUST CROSSOVER													
	5162867	TUBE							1						
	5137618	CLAMP (6.1001)							2						

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6.1000A EXHAUST MANIFOLD AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 531	532	533	534	536	564
		6.1001 - MANIFOLD, EXHAUST						
1C	**8921705**	MANIFOLD (END OUTLET) (WATER COOLED) (6V) (INCLUDES PLUGS)	2					
1C	**8921706**	MANIFOLD (END OUTLET) (WATER COOLED) (8 & 16V) (INCLUDES PLUGS)		2	4			
	8924240	MANIFOLD ASSY. (END OUTLET) (WATER COOLED) (6V) (TURBO) INCLUDES PLUGS					1	
1C	**8921704**	MANIFOLD (END OUTLET) (WATER COOLED) (12V) (INCLUDES PLUGS)				2		
	8924241	MANIFOLD ASSY. (END OUTLET) (WATER COOLED) (6V) (TURBO) INCLUDES PLUGS					1	
	5107786	MANIFOLD L. BANK REAR, R. BANK FRONT (12V)						2
	5107787	MANIFOLD R. BANK REAR, L. BANK FRONT (12V)						2
1F	**5102735**	CRAB	4	4	8	4		4
	189063	BUSHING, 1"X1/4" RED. (12.9570)			2			
	5115214	PLUG, 1/2" (12.9550)					4	
	8924750	PLUG, 1" (12.9550)	5	8	8	9	14	
	8924140	DRAINCOCK, 1/4" (12.9510)			1		2	
	8926977	DRAINCOCK, 1/4"-18 PTF (12.9510)			1			
	103320	LOCKWASHER, 5/16" (12.9200)					12	
		6.1010 - GASKET, EXHAUST MANIFOLD						
1A,G	**5150194**	GASKET	2					
1A,G	**5120224**	GASKET		4	8	4		4
1A,G	**5120223**	GASKET (INTERMEDIATE)				2		2
1A,G	**5122866**	GASKET					2	
		6.1020 - STUD, EXHAUST MANIFOLD TO HEAD						
1A,G	**8925804**	STUD, 7/16"-14X2 3/32"	8	10	20	14		14
	5104902	STUD, 7/16"-14X2 7/8" SEALANT					8	
	5104439	WASHER, 7/16" (6.1001)	4	6	12	10		10
	103342	WASHER, 7/16" (12.9190)					8	
	120376	NUT, 5/16"-18 (12.9120)				4		
	127855	NUT, 7/16"-20 (12.9120)	8	10	20	14		14
	9174746	NUT, 7/16"-20 LK (12.9120)					8	
		6.1100 - PLATE, EXHAUST MANIFOLD COVER						
1C	**5121098**	PLATE						4
1C	**186618**	BOLT, 5/16"-18X5/8" (12.9001)						8
1C	**103320**	LOCKWASHER, 5/16" (12.9200)						8
		6.1110 - GASKET, EXHAUST MANIFOLD COVER PLATE						
1C	**5113412**	GASKET (7.4510)						4

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 21	24	25	48	70	130	132	159	163	180	181	183
		6.2001 - MUFFLER ASSY., EXHAUST												
	5179058	MUFFLER ASSY.				2								
2A	**5179206**	MUFFLER ASSY.					2							
2D	**5111088** *	MUFFLER (WET TYPE)							2					
	5111086	MUFFLER (HEAVY) (WET TYPE)						1						
		* NO LONGER AVAILABLE FOR SERVICE.												
		6.2085 - FLANGE, EXHAUST												
1B,3	**5168319**	FLANGE (3")										2		
1B,3	**3222532**	FLANGE (3")											2	
1B,3	**5167173**	FLANGE (4")		2										
#,3	**5164146**	FLANGE (4")			2									
1C	**5113442**	ELBOW							1					
	113175	PLUG, 1/8" PIPE BRASS (12.9550)			2							2		
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			8							8		
	103321	LOCKWASHER, 3/8" (12.9200)			8							8		
	103322	LOCKWASHER, 7/16" (12.9200)		8									8	
	451455	NUT, 7/16"-14 HEX. (BRASS) (12.9120)								8				
	114544	NUT, 7/16"-20 HEX. (12.9120)		8									8	
		# FIG. 10D OF 5.0000.												
		6.2095 - CONNECTION, FLEXIBLE EXHAUST												
1C,3	**5167174**	CONNECTION (4" PIPE THREAD, 18"L.)	2											
	5187618	CONNECTION (5" PIPE THREAD, 26"L.)									2			
		6.2105 - GASKET, EXHAUST OUTLET												
1C,3	**5108989**	GASKET		2										
1C,3	**5163811**	GASKET			2									
	2258176	GASKET								2				
1C,3	**5166486**	GASKET										2		
1B,3	**3221863**	GASKET											2	
		6.2115 - STUD, EXHAUST OUTLET												
1B	**3222533**	STUD (7/16" 14-20X1 1/2")		8									8	
1B	**5119632**	STUD (1/2"-20X2.64) (6.1020)												8
	103323	LOCKWASHER, 1/2" (12.9200)												8
	122013	NUT, 1/2"-20 HEX. (12.9120)												8

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 184	186	190	191	192	195	200	201	203	209	211	213
		6.2001 - MUFFLER ASSY., EXHAUST												-
	NPN	MUFFLER (CUSTOMER FURNISHED)										AR		
2A	5119173	MUFFLER (COMM. SILENCING)								2				
2A	5124596	MUFFLER (COMM. SILENCING)									2			
	5129180	MUFFLER (MEDIUM SILENCING)								-				2
		6.2010 - STRAP, EXHAUST MUFFLER MOUNTING												
2A	5127036	STRAP								4				
2A	5127037	STRAP									4			
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)								2	2			
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)								1	1			
	103321	LOCKWASHER, 3/8" (12.9200)								3	3			
	117049	NUT, 3/8"-24 HEX. (12.9120)								3	3			
		6.2085 - FLANGE, EXHAUST												
	NPN	FLANGE (CUSTOMER FURNISHED)										AR		
■	5125640 @	FLANGE (3" PIPE TAP) (5" B.C.)				2								
1B,3	5127039	FLANGE (3 1/2" PIPE TAP) (3.76" B.C.)						4						
1C,*	5123847	ELBOW (32 DEG.)	2											
1C,*	5123846 @	ELBOW (90 DEG.)					2							
*,3	5167288	ELBOW (90 DEG. X4")										2		
	5146165	CLAMP (MARMAN) (3.82" DIA.)			2									
■	5137619	CLAMP (MARMAN) (4.22" DIA.)							2					
	5145014	PLUG, 3/8" PIPE (12.9550)										2		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										8		
	427570	BOLT, 7/16"-14X2" (12.9001)				6								
	103321	LOCKWASHER, 3/8" (12.9200)										8		
	103322	LOCKWASHER, 7/16" (12.9200)				6								
		+ FIG. 13A OF 1.0000.												
		* FIG. 5B OF 4.0000.												
		@ NO LONGER AVAILABLE FOR SERVICE.												
		6.2090 - PIPE, EXHAUST												
3	219577	NIPPLE, 3"X4 1/2" PIPE								2				
3	9415264	NIPPLE, 3 1/2"X4 1/2" PIPE								2	2			
3	220245	COUPLING, 3" PIPE (3.18"L.)									2			
3	9415265	COUPLING, 3 1/2" PIPE												
		6.2105 - GASKET, EXHAUST OUTLET												
1C,3	5108989	GASKET	2									2		
1C,3	5163811	GASKET		2										
	2258176	GASKET												

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 184	186	190	191	192	195	200	201	203	209	211	213
		6.2105 - GASKET, EXHAUST OUTLET (CONT'D)												
1B,3	**3221863**	GASKET											2	
1B	**5124225**	GASKET (5" B.C.-3 HOSES)				2	2							
1B,3	**5100147**	GASKET						4						
		6.2115 - STUD, EXHAUST OUTLET												
1B	**3222533**	STUD (7/16"-14X20X1 1/2")						16						
1B	**5150197**	STUD (7/16"-20X1 1/2") (6.1020)	8											
1C	**5112899**	STUD (7/16" 20X1 15X16") (6.1020)					6							
	103342	WASHER, 7/16" FLAT (12.9190)					6							
	103322	LOCKWASHER, 7/16" (12.9200)	AR				AR	AR						
	114544	NUT, 7/16"-20 HEX. (12.9120)	8				8	16						

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 214	215	216	218	219	220	221	223	224	226	228	229
		6.2001 - MUFFLER ASSY., EXHAUST												
	NPN	MUFFLER (CUSTOMER FURNISHED)		AR										
	2406178	MUFFLER (MEDIUM SILENCING)	2											
2A	5124596	MUFFLER (LOW DEGREE SILENCING)			4									
2A	5100254	MUFFLER (MODERATE SILENCING)				2								
2A	5127723	MUFFLER (COMMERCIAL SILENCING)									2			
		6.2085 - FLANGE, EXHAUST												
	NPN	FLANGE (CUSTOMER FURNISHED)		AR										
1B,3	3222532	FLANGE (3 1/2")								4				
1B,3	5108351	FLANGE (3 1/2")												2
1B,3	5127039	FLANGE (3 1/2")												2
#,3	5164146	FLANGE (4")						4						
	5146165	CLAMP (MARMAN) (3.88" DIA.)					2							
*	5137619	CLAMP (MARMAN) (4.22" DIA.)							2			2		
1B,3	5167288	ELBOW (90 DEG. X 4")						4						
1B	113175	PLUG, 1/8" PIPE (12.9550)						4						
1B	112304	PLUG, 3/8" PIPE (12.9550)						4						
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						16						
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)						16						
	103321	LOCKWASHER, 3/8" (12.9200)						AR						
		# FIG. 10D OF 5.0000.												
		* FIG. 13A OF 1.0000.												
		6.2090 - PIPE, EXHAUST												
	5108830 +	PIPE (MARMAN FLANGE, 3.66" DIA., 1"L.)					2							
	5129914 +	PIPE (MARMAN FLANGE, 3.66" DIA., 6"L.)					2							
	5129689 +	PIPE (MARMAN FLANGE, 4.22" DIA., 6"L.)							2					
	5108831 +	PIPE (MARMAN FLANGE, 4.22" DIA., 1.5"L.)										2		
		+ LENGTH DETERMINED BY INSTALLATION.												
		6.2095 - CONNECTION, FLEXIBLE EXHAUST												
1B,3	3290853	CONNECTION (3" PIPE THREAD 18"L.)											2	
	218873	BUSHING, 3 1/2"X3" REDUCING (12.9570)											2	
		6.2105 - GASKET, EXHAUST OUTLET												
	5129217	GASKET		2										
1C,3	5163811	GASKET						8						
1B,3	3221863	GASKET								4				

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 214	215	216	218	219	220	221	223	224	226	228	229
		6.2105 - GASKET, EXHAUST OUTLET (CONT'D)												
1B,3	**5100147**	GASKET												2
1B,3	**5145238**	GASKET												2
		6.2115 - STUD, EXHAUST OUTLET												
1B	**5109158**	STUD (3/8"X2 1/2")												8
1B	**3222533**	STUD (7/16"-14-20X1 1/2")								16				8
	103321	LOCKWASHER, 3/8" (12.9200)												AR
	103322	LOCKWASHER, 7/16" (12.9200)								AR				AR
	114547	NUT, 3/8"-24 HEX. (12.9120)												8
	114544	NUT, 7/16"-20 HEX. (12.9120)								16				8

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2332	2333	2334	2442	2448	2560	2564	2667	2669	2679	2682
		6.2001 - MUFFLER ASSY., EXHAUST											
2A	**5124596**	MUFFLER (LOW DEGREE SILENCING)						2					
2C	**5162724** *	MUFFLER (MODERATE SILENCING)									2		
	218873	BUSHING, 3 1/2"X3" REDUCING (12.9570)						2					
	218885	BUSHING, 4"X3" REDUCING (12.9570)									2		
		* NO LONGER AVAILABLE FOR SERVICE.											
		6.2085 - FLANGE, EXHAUST											
1B,3	**5108632**	FLANGE (3")			2								
1B,3	**5108351**	FLANGE (3 1/2")	2										
1B,3	**5108921**	FLANGE (4")		2		1							
1B,3	**5167173**	FLANGE (4")				1							
		6.2095 - CONNECTION, FLEXIBLE EXHAUST											
1B,3	**3290853**	CONNECTION (3" PIPE THREAD 18"L.)						4					
1B,3	**5130534**	CONNECTION (3 1/2" PIPE THREAD 18.12"L.)								2			
	218873	BUSHING, 3 1/2"X3" REDUCING (12.9570)						4					
		6.2105 - GASKET, EXHAUST OUTLET											
1B,3	**5145238**	GASKET	2										
1B,3	**5108989**	GASKET		2		2							
1B,3	**5108377**	GASKET			2								
1B,3	**5100147**	GASKET							4				
3	**5148029**	GASKET											2
		6.2115 - STUD, EXHAUST OUTLET											
1B	**5109158**	STUD (3/8"X2 1/2")	8		8								
1B	**5109160**	STUD (1/2"X2 1/2")		8									
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR								
	103322	LOCKWASHER, 7/16" (12.9200)				4							
	103323	LOCKWASHER, 1/2" (12.9200)		AR		AR							
	114547	NUT, 3/8"-24 HEX. (12.9120)	8		8	8							
	122013	NUT, 1/2"-20 HEX. (12.9120)		8		8							
		6.2120 - ADAPTOR, EXHAUST OUTLET											
	5108415 @	ADAPTOR					1						
	5130895	ADAPTOR										1	
	5109283 *	ADAPTOR ASSY. (INCLUDES STUDS)											2

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	233	234	242	248	250	256	264	267	269	279	282
		6.2120 - ADAPTOR, EXHAUST OUTLET (CONT'D)												
	5163811	GASKET (6.2105)					1						1	
	5176829	STUD (7/16"-14-20X1 3/4") (1.1360)												16
	138247	BOLT, 3/8"-16X2 1/4" SKT. HD. (12.9027)					4						4	
	114544	NUT, 7/16"-14 HEX. (12.9120)												16
		@ NOT SERVICED, REPLACE WITH (1) 5108414 PLUS (1) 5121098, (1) 5113412, (2) 186618 AND (2) 103320.												
		* NOT SERVICED, CONVERT TO TYPE 299, MUFFLER CONNECTIONS.												
		6.2125 - PACKING, EXHAUST OUTLET ADAPTOR												
	5108515	RETAINER, SEAL												2
	5130602	GASKET												2
	5108458	SEAL, EXHAUST RETAINER												2

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 287	289	291	295	296	297	298	299	306	310	311	318
		6.2001 - MUFFLER ASSY., EXHAUST												
	NPN	MUFFLER (CUSTOMER FURNISHED)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
2C	5162725	MUFFLER (HIGH DEGREE SILENCING)	2											
	5142908	MUFFLER												1
		6.2010 - STRAP, EXHAUST MUFFLER MTG.												
2A	5135504	STRAP												2
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)												2
	103343	WASHER, 1/2" (12.9190)												8
	103323	LOCKWASHER, 1/2" (12.9200)												2
	117051	NUT, 1/2"-20 HEX. (12.9120)												2
		6.2035 - BRACKET, EXHAUST MUFFLER MOUNTING STRAP												
	5135622	BRACKET												1
	5175185	SPACER, 1 1/8"X21/32"X3/16" (2.9680)												1
	186295	BOLT, 1/2"-13X5 1/2" (12.9001)												1
	109858	BOLT, 1/2"-20X1 7/8" (12.9001)												1
	271566	BOLT, 5/8"-11X3" (12.9001)												1
	103343	WASHER, 1/2" (12.9190)												AR
	5117082	WASHER												1
	103323	LOCKWASHER, 1/2" (12.9200)												AR
	103028	NUT, 1/2"-20 HEX. (12.9120)												1
		6.2085 - FLANGE, EXHAUST												
	NPN	FLANGE (CUSTOMER FURNISHED)		AR	AR	AR	AR	AR		AR	AR	AR	AR	
	5132633	FLANGE (4.550" DIA.)							2					
	5137619	CLAMP (MARMAN) (4.22" DIA.)				1								2
	5132650	CLAMP (5.25" DIA.)							2					
3	5166474	ELBOW (90 DEG.-3")											2	
	113175	PLUG, 1/8" PIPE (12.9550)											2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											4	
	9418964	BOLT, 3/8"-16X5" (12.9001)											4	
		* FIG. 13 OF 1.0000.												
		6.2090 - PIPE, EXHAUST												
	5108831	+ PIPE (MARMAN FLANGE)				1								
	5132636	* PIPE (CURVED)							2					
		+ LENGTH DETERMINED BY INSTALLATION.												
		* NOT SERVICED, USE 1-5101886, 1-5101814.												
		6.2095 - CONNECTION, FLEXIBLE EXHAUST												
18.3	5167177	CONNECTION (4" PIPE THD., 18"L.)			2									
	5135631	CONNECTION (RIGHT BANK)												1
	5136010	CONNECTION (LEFT BANK)												1

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 287	289	291	295	296	297	298	299	306	310	311	316
		6.2095 - CONNECTION, FLEXIBLE EXHAUST (CONT'D)												
	103343	WASHER, 1/2" FLAT (12.9190)												10
	100055	BOLT, 1/2"-20X2 1/2" (12.9001)												6
	186692	BOLT, 1/2"-20X2 3/4" (12.9001)												2
	122013	NUT, 1/2"-20 HEX. (6.2115)												8
		6.2105 - GASKET, EXHAUST OUTLET												
1B,3	5145238	GASKET		2										
1B,3	5108377	GASKET					2							
1B,3	5108989	GASKET						4						4
3	5148029	GASKET								2	2	2		
		6.2115 - STUD, EXHAUST OUTLET												
1B	5132531	STUD (1/2"-13-20X2")						8						
	103323	LOCKWASHER, 1/2" (12.9200)						8						
	122103	NUT, 1/2"-20 HEX. (12.9120)						8						
		6.2120 - ADAPTOR, EXHAUST OUTLET												
	5133308 *	ADAPTOR ASSY. (INCLUDES STUDS)								2	2			
	5134009 *	ADAPTOR ASSY. (INCLUDES STUDS) (6.1190)										2		
	5130488	STUD (3/8"-16X1.88") (5.2020)								16	16	16		
	103321	LOCKWASHER, 3/8" (12.9200)									8			
	5121887	NUT, 3/8"-24 HEX. (3.5001)								16	16	16		
		* OBSOLETE												
		6.2125 - PACKING, EXHAUST OUTLET ADAPTOR												
	5133468	RETAINER, SEAL (6.1190)								2	2	2		
	5108458	SEAL, EXHAUST RETAINER (6.1195)								2	2	2		
	5130602	GASKET (6.2105)								2	2	2		
		6.2200 - BODY, EXHAUST RESTRICTOR AIR CYLINDER												
	121902	NUT, 1/4"-28 HEX. (12.9120)							4					

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	326	331	332	337	342	348	349	364	374	376			
		6.2001 - MUFFLER ASSY., EXHAUST														
	NPN	MUFFLER (CUSTOMER FURNISHED)	AR	AR	AR	AR	AR	AR	AR		AR		AR	AR		
	5142908	MUFFLER								1						
	5145074	MUFFLER										1				
		6.2010 - STRAP, EXHAUST MUFFLER MTG.														
	5141235	STRAP								2		2				
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)								2		2				
	103343	WASHER, 1/2" (12.9190)								8		8				
	103323	LOCKWASHER, 1/2" (12.9200)								2		2				
	103028	NUT, 1/2"-20 HEX. (12.9120)								2		2				
		6.2035 - BRACKET, EXHAUST MUFFLER MOUNTING STRAP														
	5140892	SUPPORT								1		1				
	5140891	ADAPTOR, SUPPORT								1		1				
	189787	BOLT, 1/2"-13X5 1/4" (12.9001)								1		1				
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)								2		2				
	109858	BOLT, 1/2"-20X1 7/8" (12.9001)								1		1				
	271564	BOLT, 5/8"-11X2 1/2" (12.9001)								1		1				
	103343	WASHER, 1/2" (12.9190)								AR		AR				
	103323	LOCKWASHER, 1/2" (12.9200)								AR		AR				
	103325	LOCKWASHER, 5/8" (12.9200)								1		1				
	117051	NUT, 1/2"-20 HEX. (12.9120)								1		1				
	122013	NUT, 1/2"-20 HEX. (12.9120)								2		2				
		6.2085 - FLANGE, EXHAUST														
	NPN	FLANGE (CUSTOMER FURNISHED)	AR		AR	AR	AR	AR	AR		AR		AR	AR		
	5164146	FLANGE (4")		2												
	5144754	OUTLET (3.5417)											1			
	5148101	CLAMP, 5.92" T-BOLT									2					
	5137619	CLAMP (MARMAN) (4.22" DIA.)								2		2				
	5132650	CLAMP (5.25" DIA.)									2		1			
	5144754	ELBOW, 90 DEG. (MARMAN FLANGE)									2					
	5167288	ELBOW (90 DEG.-4")		2												
	113175	PLUG, 1/8" PIPE (12.9550)		8					2							
	112304	PLUG, 3/8" PIPE (12.9550)		2												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		8												
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)		8												
	103321	LOCKWASHER, 3/8" (12.9200)		16												
		6.2095 - CONNECTION, FLEXIBLE EXHAUST														
	5130533	CONNECTION (3 1/2" PIPE THD., 47.12"L.)	2													
1C,3	5167174	CONNECTION (4" PIPE THD., 18"L.)		2												

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3171	3261	3311	3332	3337	3422	3481	3499	3644	3744	3766
		6.2095 - CONNECTION, FLEXIBLE EXHAUST (CONT'D)											
	5138321	CONNECTION (4 1/4" PIPE THD., 1 1/2"L.)			2								
	5141344	CONNECTION (LEFT BANK)								1		1	
	5141345	CONNECTION (RIGHT BANK)								1		1	
	103343	WASHER, 1/2" FLAT (12.9190)								16		16	
	100055	BOLT, 1/2"-20X2 1/2" (12.9001)								6		6	
	186692	BOLT, 1/2"-20X2 3/4" (12.9001)								2		2	
	122013	NUT, 1/2"-20 HEX. (6.2115)								8		8	
		6.2105 - GASKET, EXHAUST OUTLET											
1B,3	5145238	GASKET						2	4				
1B,3	5108989	GASKET								4		4	
3	5148029	GASKET				2			2				
1C,3	5163811	GASKET		4									
3	5130602	GASKET				2							
		6.2115 - STUD, EXHAUST OUTLET											
1B	5109158	STUD (3/8"-16-24X2 1/2")						8					
	103321	LOCKWASHER, 3/8" (12.9200)						8					
	114547	NUT, 3/8"-24 HEX. (12.9120)						8					
		6.2120 - ADAPTOR, EXHAUST OUTLET											
	5146014	ADAPTOR							2				
	5130488	STUD, 3/8"-16X1.88" (5.2020)				16							
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)							16				
	5121887	NUT, 3/8"-24 HEX. (3.5001)				16			16				
		6.2125 - PACKING, EXHAUST OUTLET ADAPTOR											
	5133468	RETAINER, SEAL (6.1190)				2							
	5108458	SEAL, EXHAUST RETAINER (6.1195)				2							
		6.2130 - VALVE ASSY., EXHAUST RESTRICTOR											
		A VALVE ASSY. CONSISTS OF ITEMS IN 6.2133 THRU 6.2212.											
	5139832	VALVE ASSY.					2						

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	326	331	332	337	342	348	349	364	374	376
		6.2131 - CONNECTOR, EXHAUST RESTRICTOR											
	5137619	CLAMP (5.81" DIA.) (6.2085)					2						
		6.2133 - HOUSING, EXHAUST VALVE RESTRICTOR											
	5140007	* HOUSING					2						
		* OBSOLETE.											
		6.2136 - VALVE, EXHAUST RESTRICTOR											
	5139822	* VALVE					2						
	455548	* SCREW, #8-32X1/2" (12.9030)					2						
	178364	LOCKWASHER, #8 (12.9200)					2						
		* OBSOLETE.											
		6.2139 - SHAFT, EXHAUST RESTRICTOR VALVE											
	5139830	* SHAFT					2						
		* OBSOLETE.											
		6.2142 - LEVER, EXHAUST RESTRICTOR											
		A LEVER ASSY. INCLUDES LEVER WHICH IS NOT SERVICED SEPARATELY AND PIN IN 6.2142.											
	5140006	* LEVER ASSY.					2						
	141201	PIN, 1/4"X1" (12.9290)					2						
	123450	BOLT, 1/4"-28X3/4" (12.9001)					2						
	103319	LOCKWASHER, 1/4" (12.9200)					2						
		* OBSOLETE.											
		6.2200 - BODY, EXHAUST RESTRICTOR AIR CYLINDER											
	5139831	CYLINDER					2						
	100007	BOLT, 1/4"-28X2 1/2" (12.9001)					4						
	103319	LOCKWASHER, 1/4" (12.9200)					4						
		6.2203 - PISTON, EXHAUST RESTRICTOR AIR CYLINDER											
	5139821	PISTON					2						
	5112908	SPRING (2.7870)					2						
	147697	WASHER (SPRING SEAT) (12.9190)					2						
		6.2206 - RING, AIR CYLINDER EXHAUST RESTRICTOR											
	5101419	RING, SEAL					2						

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	326	331	332	337	342	348	349	364	374	376
		6.2209 - ROD, AIR CYLINDER EXHAUST RESTRICTOR											
	5139824	* ROD					2						
	273669	PIN, 5/64"X7/16" SPRING (12.9200)					2						
		* OBSOLETE.											
		6.2212 - BRACKET, AIR CYLINDER MOUNTING											
	5139828	* BRACKET					2						
	180016	BOLT, 1/4"-20X1/2" (12.9001)					4						
	5139829	* LOCKPLATE					2						
		* OBSOLETE.											

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 377	378	381	384	385	393	394	397	399	400	407	408	413	418
		6.2035 - BRACKET, EXHAUST MUFFLER MOUNTING STRAP														
		BRACKET INCLUDES TUBE IN 6.2085.														
	5140612	BRACKET ASSY. (3.5300)												1		
	5124331	TUBE (7.1595)												1		
	5122266	GASKET (7.1597)												1		
	5101377	BOLT, 3/8"-16X1" (5.2020)												2		
	5104593	BOLT, 1/4"-20X1" (12.9001)												2		
	8921936	BOLT, 7/16"-14X1.25" (12.9001)												1		
	103319	LOCKWASHER, 1/4" (12.9200)												2		
	103321	LOCKWASHER, 3/8" (12.9200)												2		
	103322	LOCKWASHER, 7/16" (12.9200)												1		
		6.2085 - FLANGE, EXHAUST														
	5101814	FLANGE								2	1					
	5132633	FLANGE (4 1/2" DIA.) (MARMAN)	2									2				
1B	**5146915**	FLANGE (5" DIA.)			2											
	5146714	TUBE, RB (19.00" DEV. L.) (3.5305)												1		
	5147399	TUBE, LB (25.20" DEV. L.) (3.5305)												1		
	5132650	CLAMP (5.25" DIA.)						1		2	1	2	2		1	2
	5148101	CLAMP (5.92" DIA.)							1				2		1	2
	5146165	CLAMP (3.88" DIA.)												4		
	5136534	+ ELBOW		1												
	5136535	+ ELBOW		1												
	5166474	ELBOW				2										
	5101594	ELBOW						1							1	2
	5167288	ELBOW					2									
	5144754	ELBOW (3.5324)											2			
	113175	PLUG, 1/8" PIPE (12.9550)				2										
	8924380	PLUG, 1/8"-27 PIPE (12.9550)											6			
	8924517	PLUG, 3/8"-18 PIPE (12.9550)					1									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				4	8									
	103321	LOCKWASHER, 3/8" (12.9200)				8	8									
		+ OBSOLETE.														
		6.2090 - PIPE, EXHAUST														
	5101886	PIPE								2						
		6.2095 - CONNECTION, FLEXIBLE EXHAUST														
	5140347	CONNECTION (5" PIPE THD. 4" L.)							1				2			
		6.2105 - GASKET, EXHAUST OUTLET														
1B	**5148029**	GASKET			2											
1B	**5166486**	GASKET				2										
1C,3	**5101809**	GASKET					2									
		6.2115 - STUD, EXHAUST OUTLET														
1B	**103286**	STUD, 5/8"-11X5/8"-18X3 7/16" (12.9117)			8											
1B	**5103952**	NUT, 5/8"-18 (3.5305)			8											

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

6.2120 - ADAPTOR, EXHAUST OUTLET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 377	378	381	384	385	393	394	397	399	400	407	408	413	418
	5108415	ADAPTOR					1									
	5100360	ADAPTOR (6.1180)					1									
	5163811	+ GASKET (6.2105)					2									
	138242	SCREW, 3/8"-16X1" (12.9027)					4									
	138246	SCREW, 3/8"-16X2" (12.9027)					4									

+ NOT SERVICED. FOR SERVICE USE 5101809 (4.38" I.D.) OR 5101914 (3.50" I.D.).

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4 2 5
		6.2085 - FLANGE, EXHAUST	
	5103434	CLAMP (4.12" DIA.)	2
	8925382	ELBOW (6.2120)	2
	8923847	PLUG, 1/4"-18 PIPE; 7/8" TAPER (4.7001)	4
	8924750	PLUG, 1"-11 1/2 PIPE; 7/8" TAPER (12.9550)	6

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Blcer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

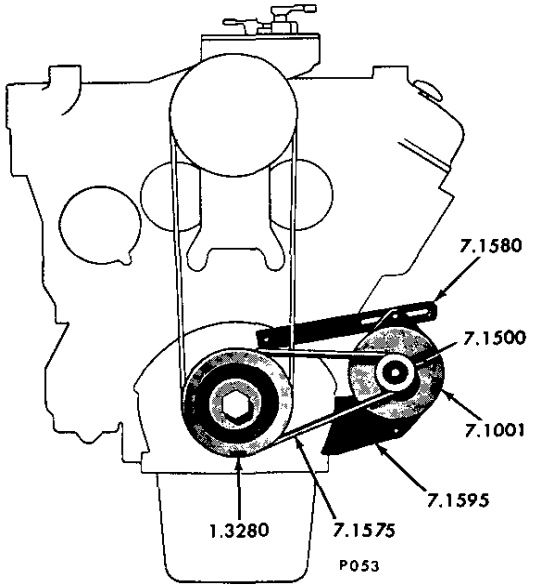

FIG. 1A LOW MOUNTED CRANKSHAFT DRIVEN

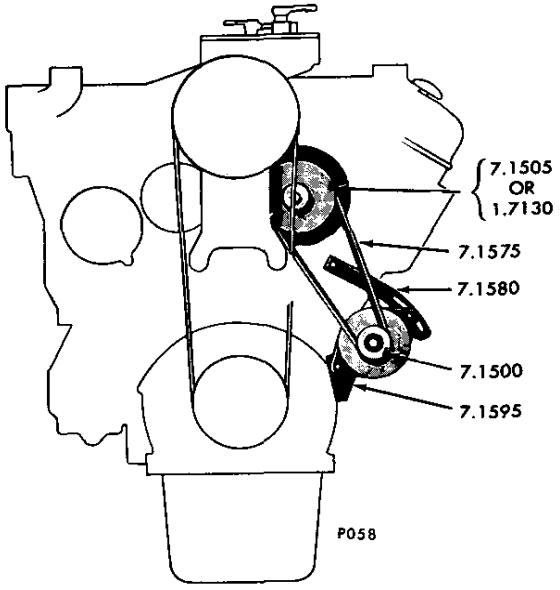

FIG. 1B LOW MOUNTED CAMSHAFT DRIVEN, FRONT

BATTERY CHARGING GENERATOR

Figs. 1A & 1B of 7.0000

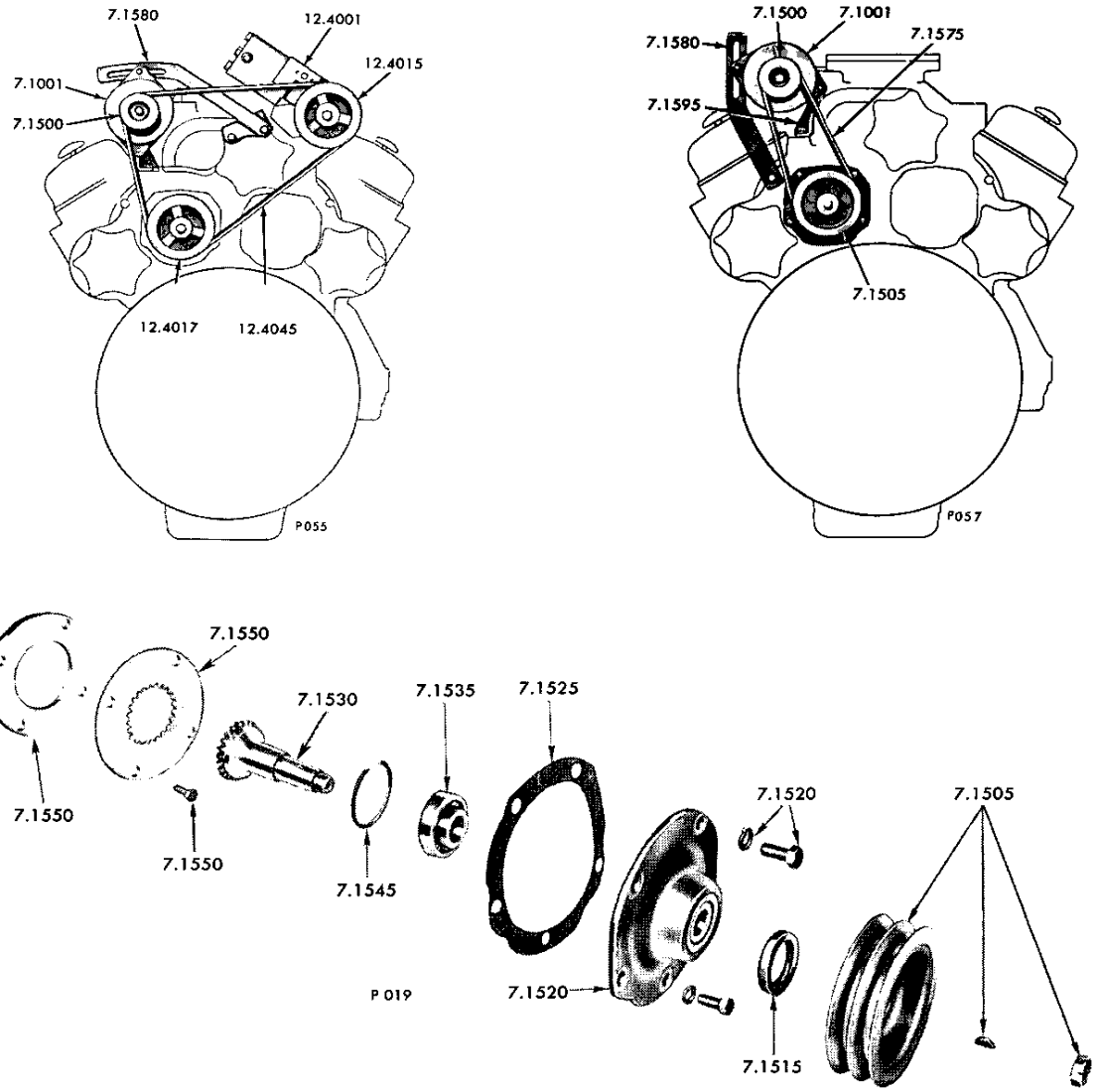

FIG. 1C HIGH MOUNTED CAMSHAFT DRIVEN (Triangle Drive)

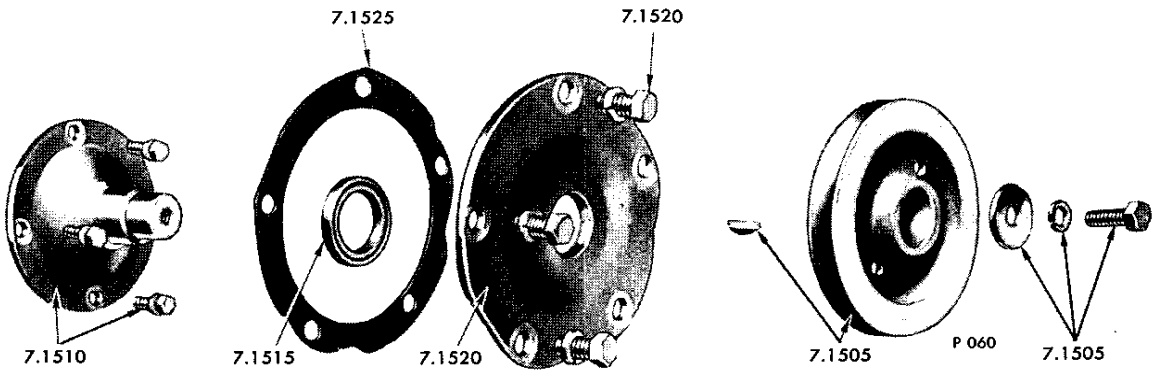

FIG. 1D HIGH MOUNTED CAMSHAFT DRIVEN, REAR

Figs. 1C & 1D of 7.0000

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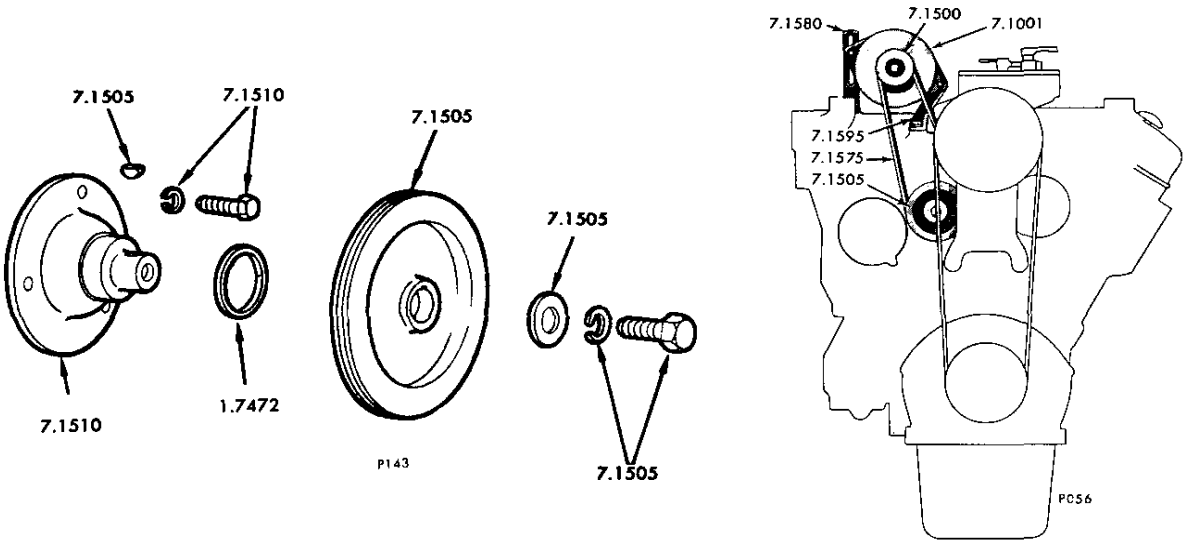
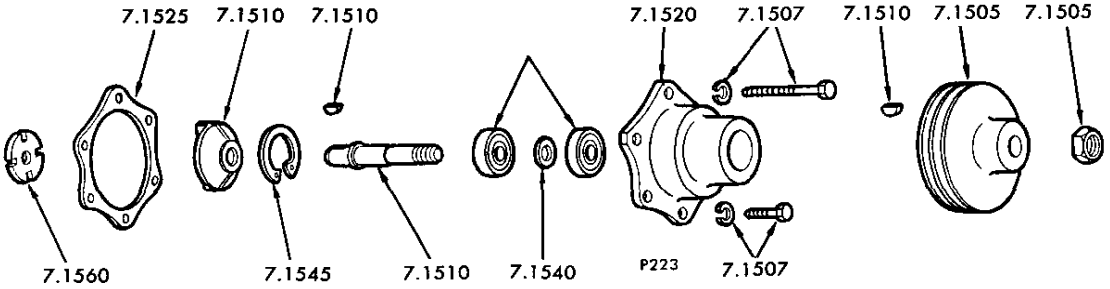


FIG. 1E HIGH MOUNTED CAMSHAFT DRIVEN, FRONT



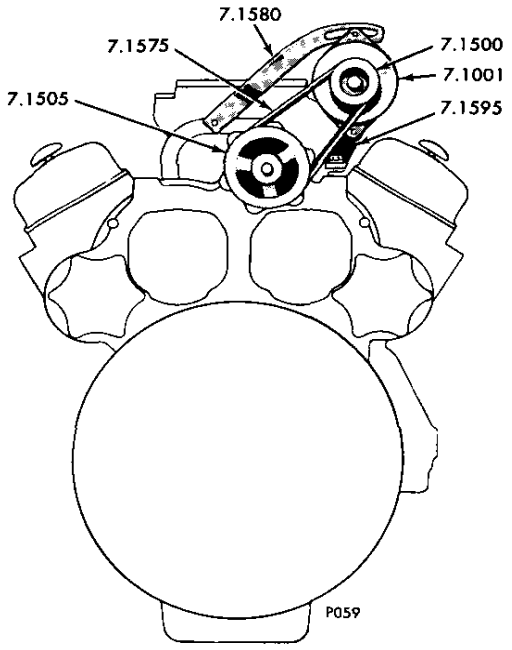


FIG. 1F BLOWER DRIVE SHAFT DRIVEN

Figs. 1E & 1F of 7.0000

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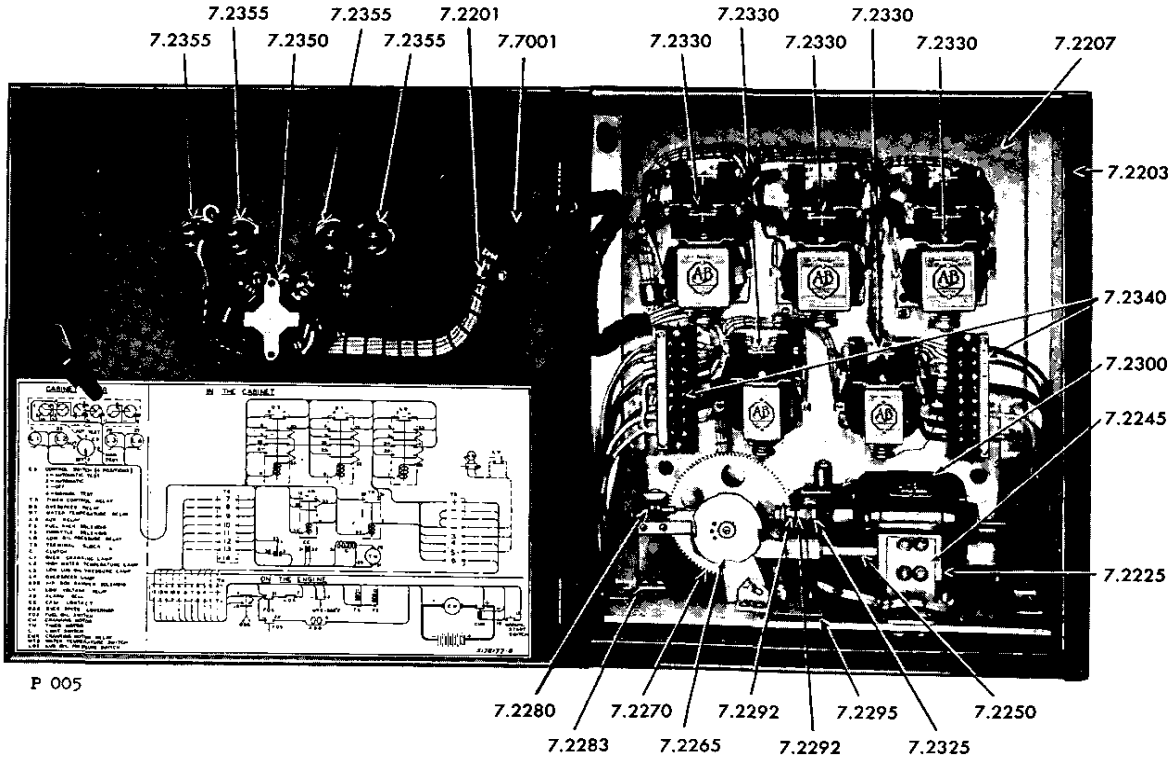

FIG. 2A AUTOMATIC STARTING CABINET

Fig. 2A of 7.0000

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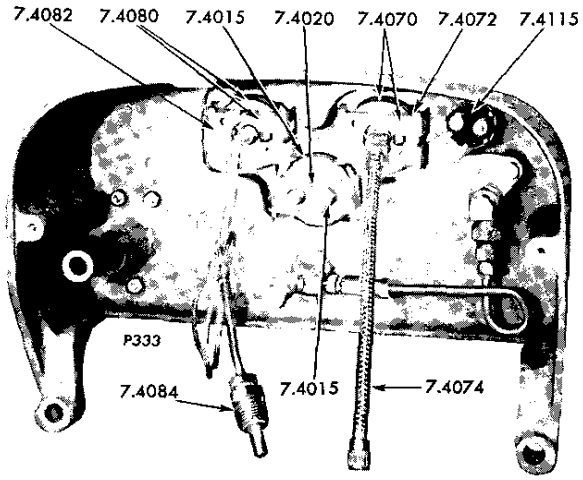

FIG. 4A INSTRUMENT PANEL

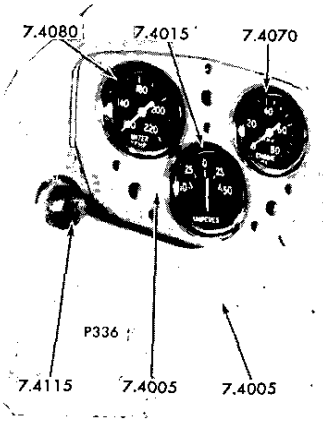

FIG. 4D

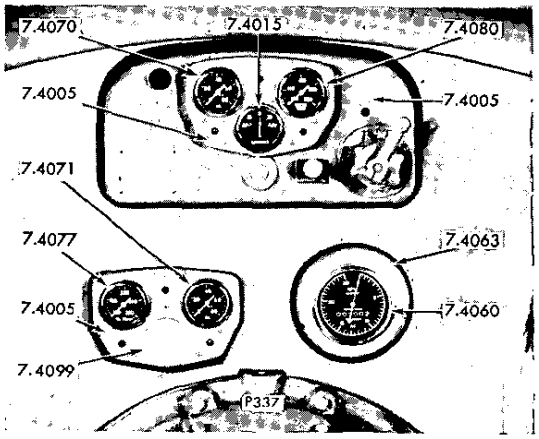

FIG. 4E

Figs. 4A, 4D & 4E of 7.0000

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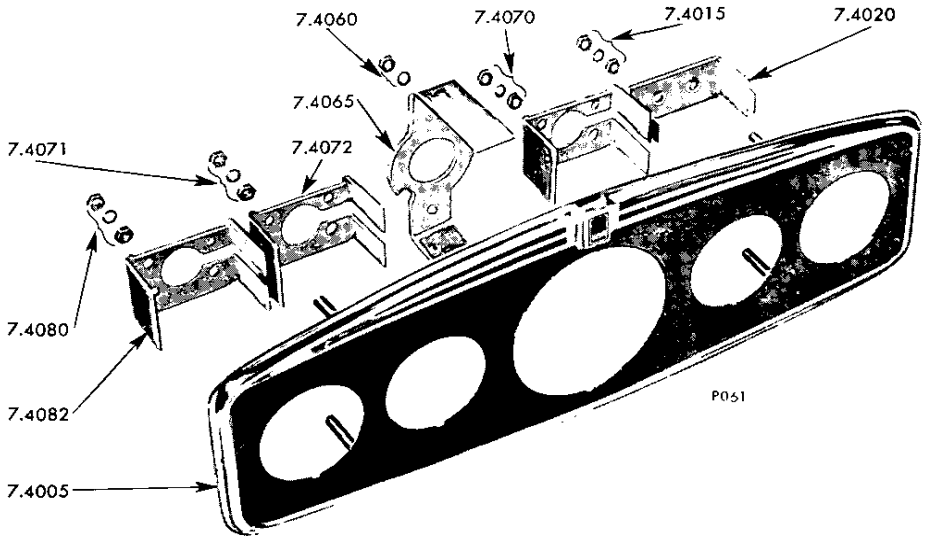

INSTRUMENT PANEL

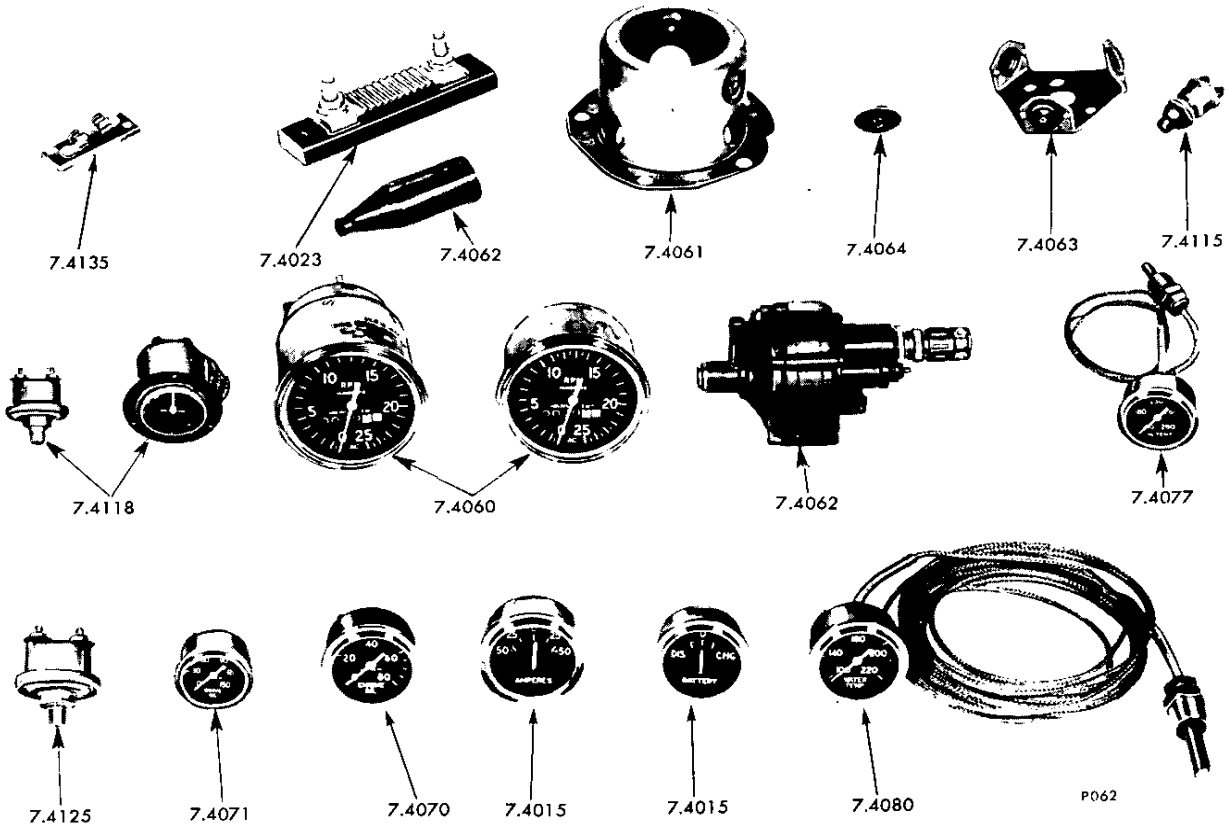

FIG. 4G

Figs. 4F & 4G of 7.0000

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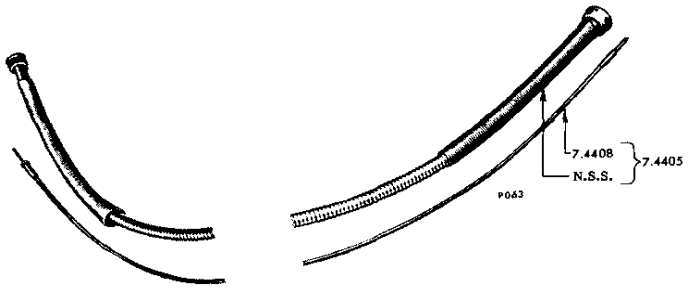


FIG. 5A

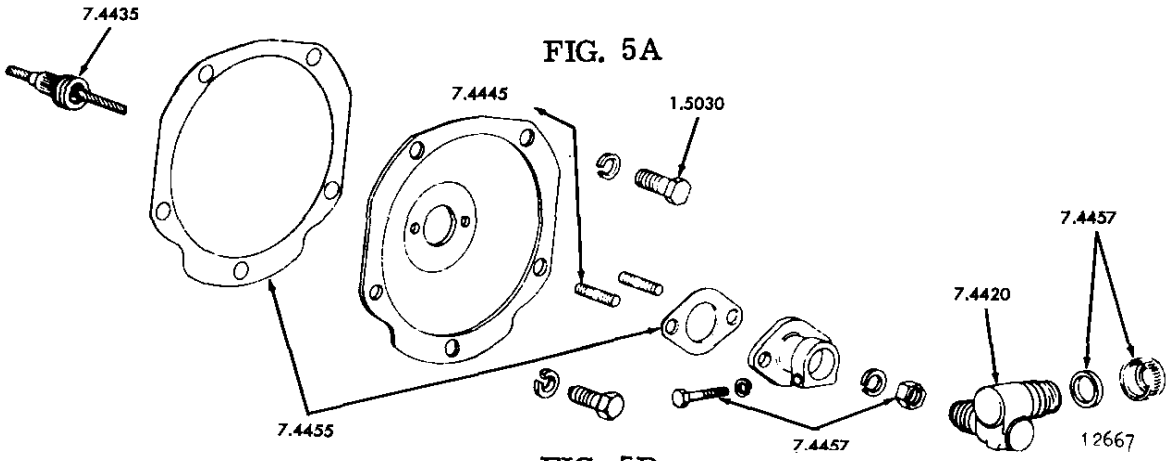
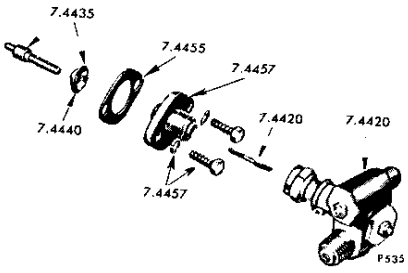


FIG. 5D

FIG. 5C



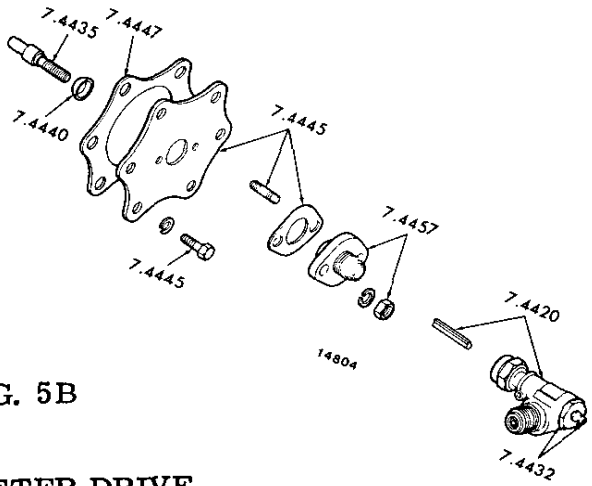


FIG. 5B

TACHOMETER DRIVE

Figs. 5A, 5B, 5C & 5D of 7.0000

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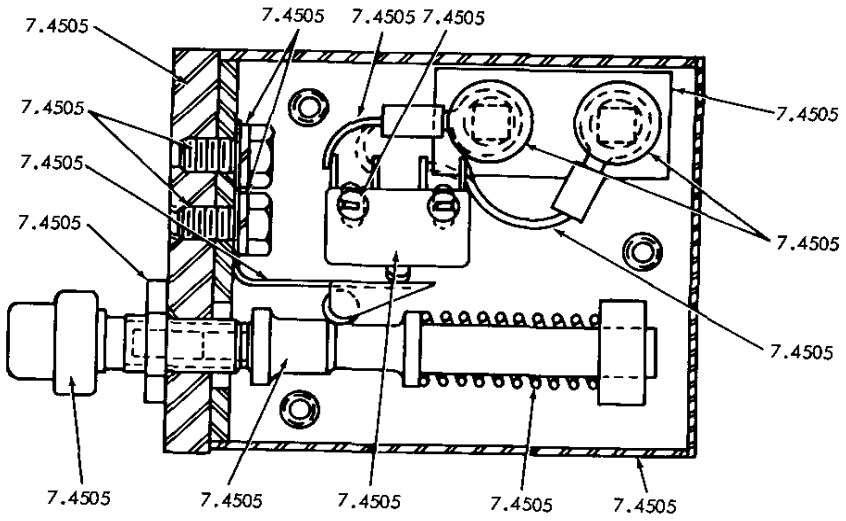

FIG. 5E

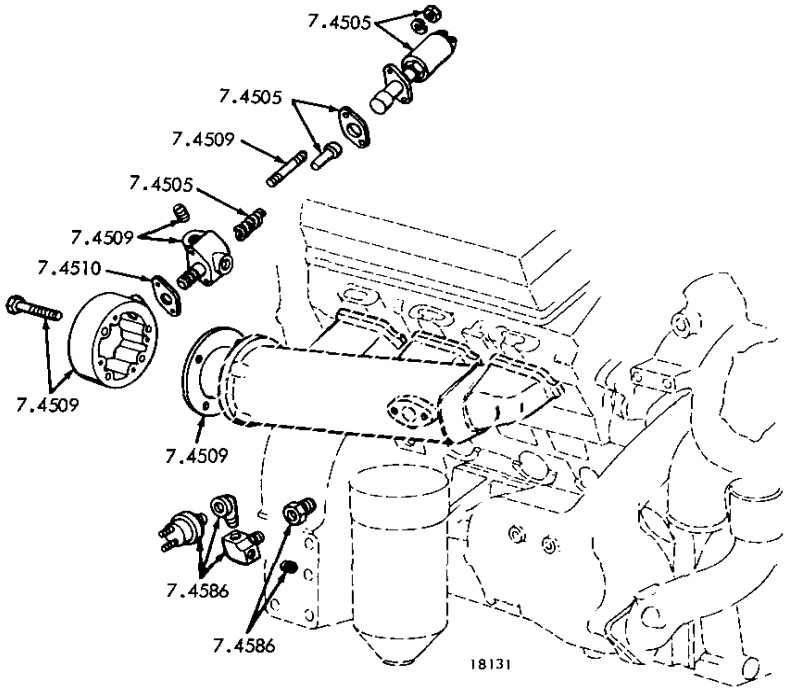

FIG. 5F

WATER TEMPERATURE SWITCH

FIG. 5E & 5F Of 7.0000

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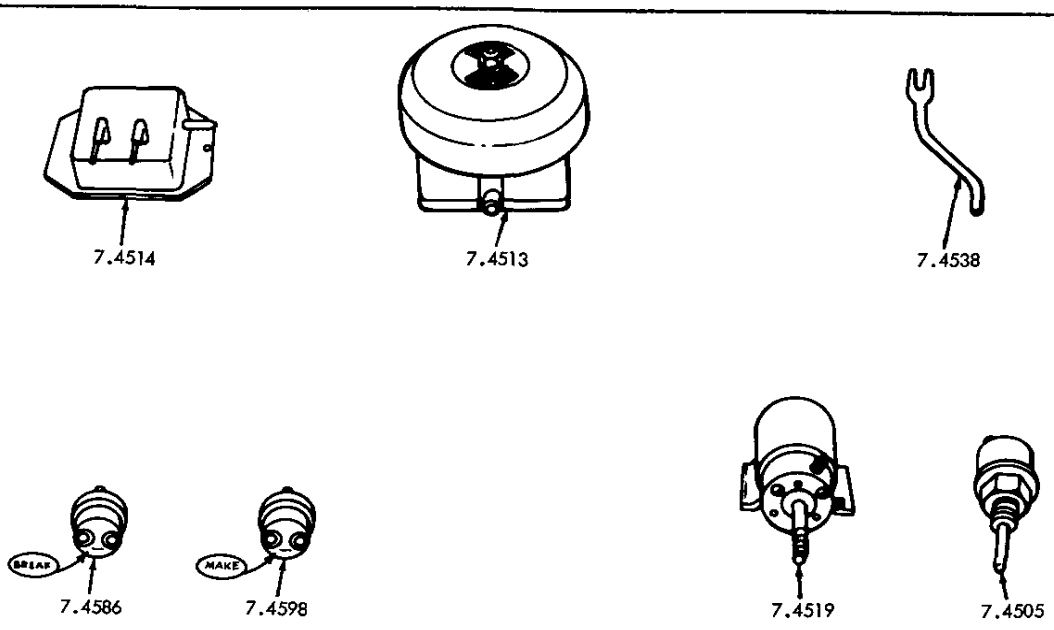

FIG. 6A SHUT-OFF OR ALARM SYSTEM

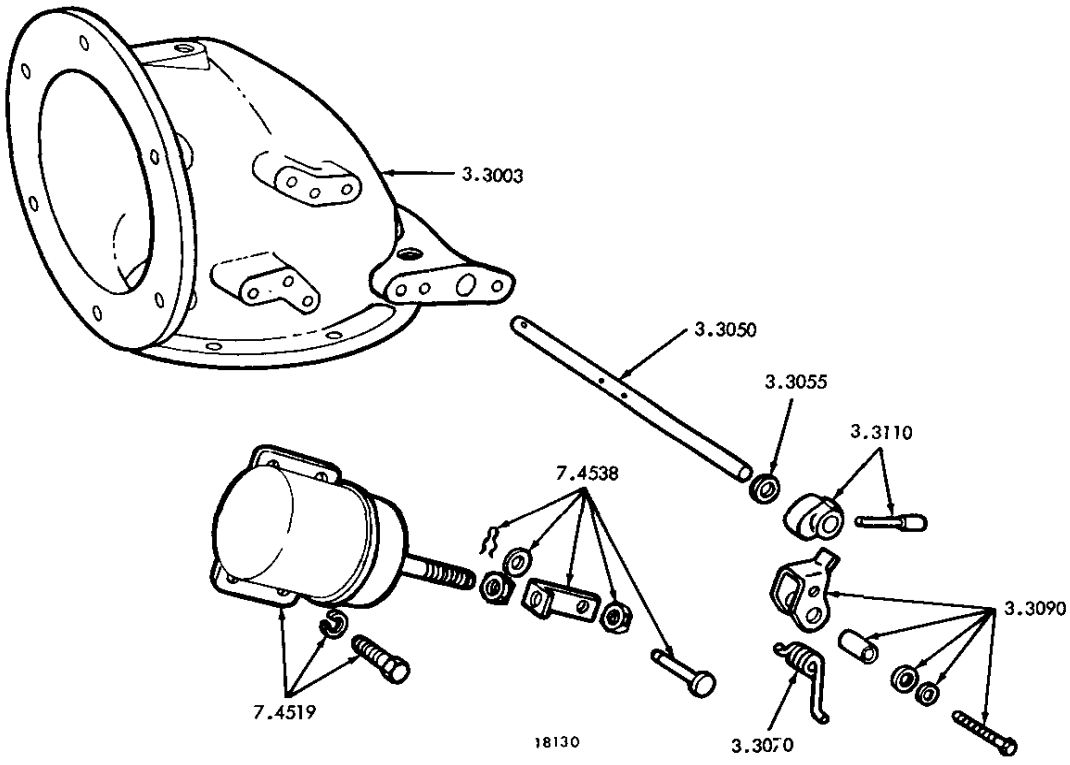

FIG. 6B ELECTRICAL SHUTDCWN

FIGS. 6A & 6B Of 7.0000

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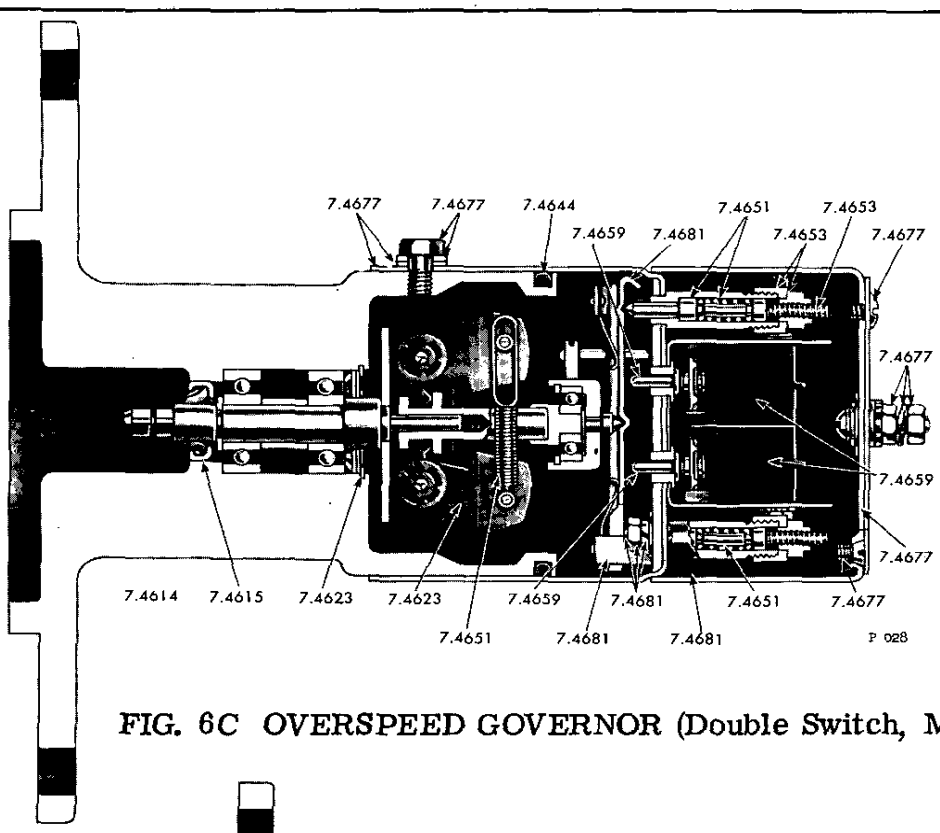

FIG. 6C OVERSPEED GOVERNOR (Double Switch, Micro).

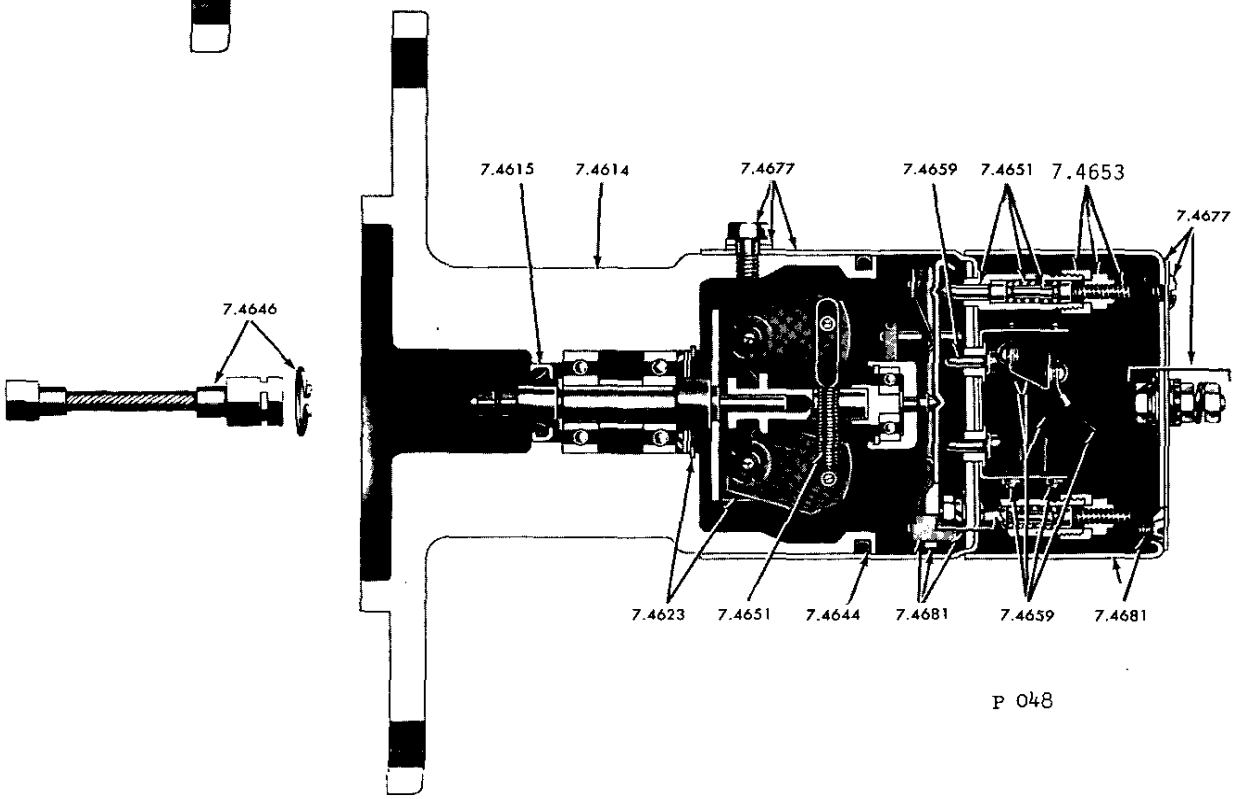

FIG. 6D OVERSPEED GOVERNOR (Double Switch, Licon)

Figs. 6C & 6D of 7.0000

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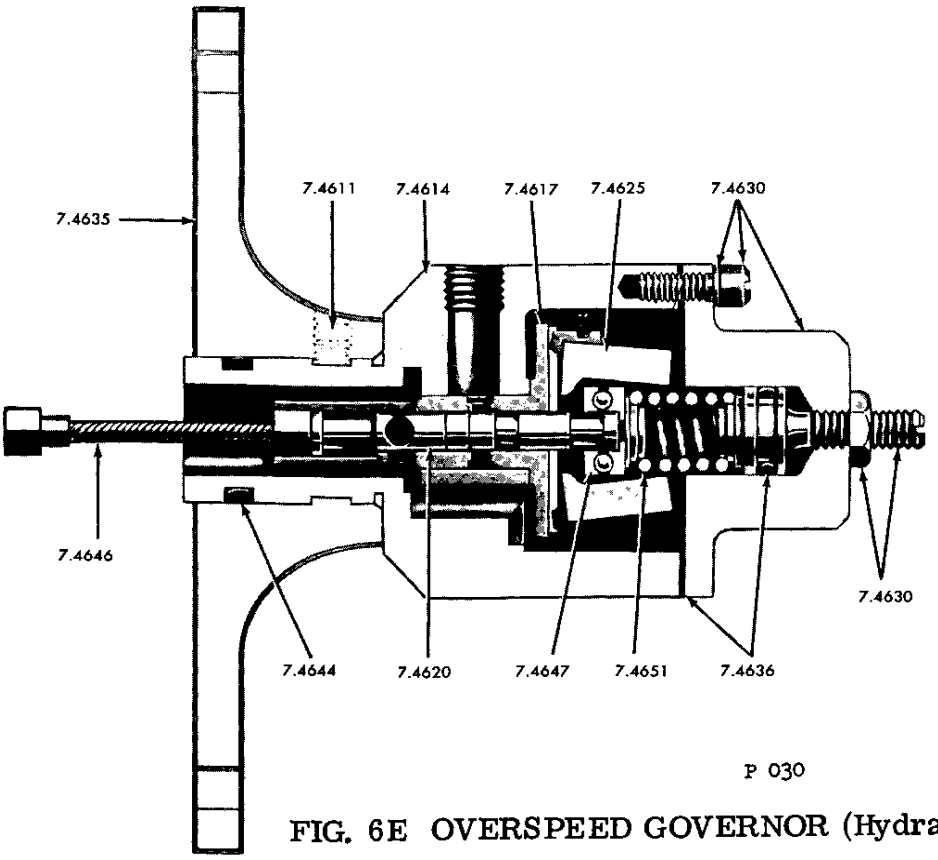

FIG. 6E OVERSPEED GOVERNOR (Hydraulic)

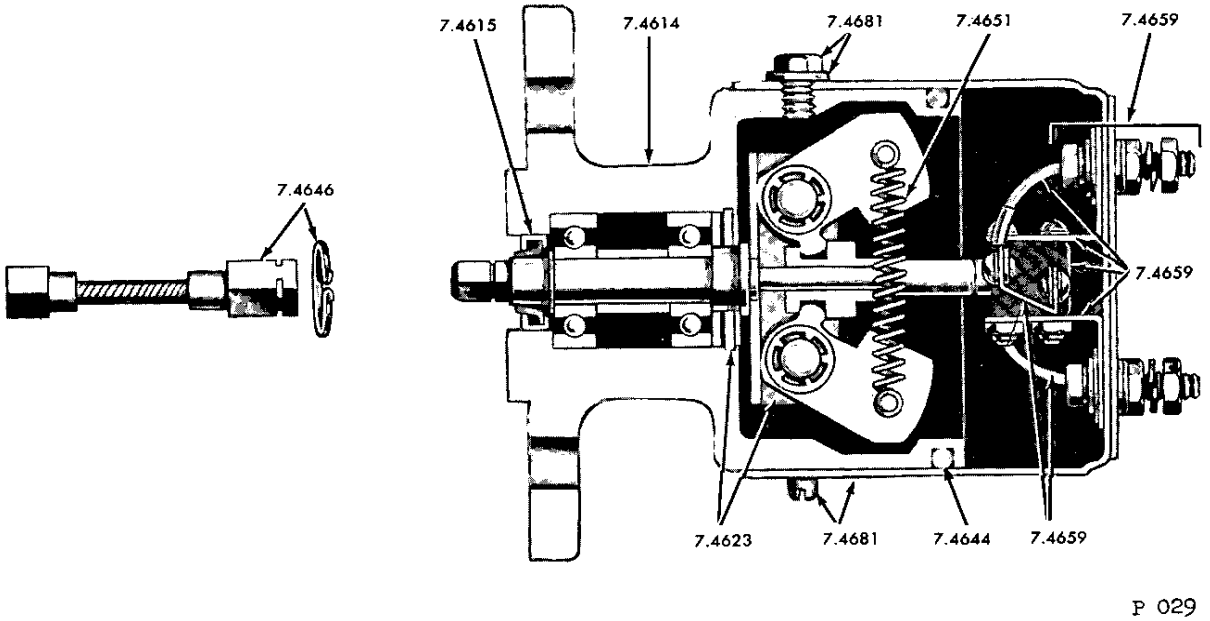

FIG. 6F OVERSPEED GOVERNOR (Single Switch, Licon)

Figs. 6E & 6F of 7.0000

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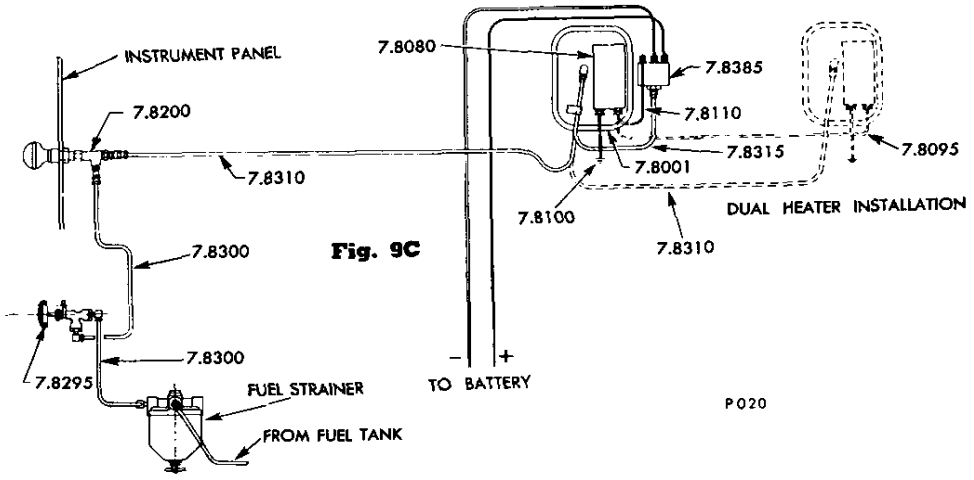

Fig. 9C

Figs. 9A, 9B, 9C & 9D of 7.0000

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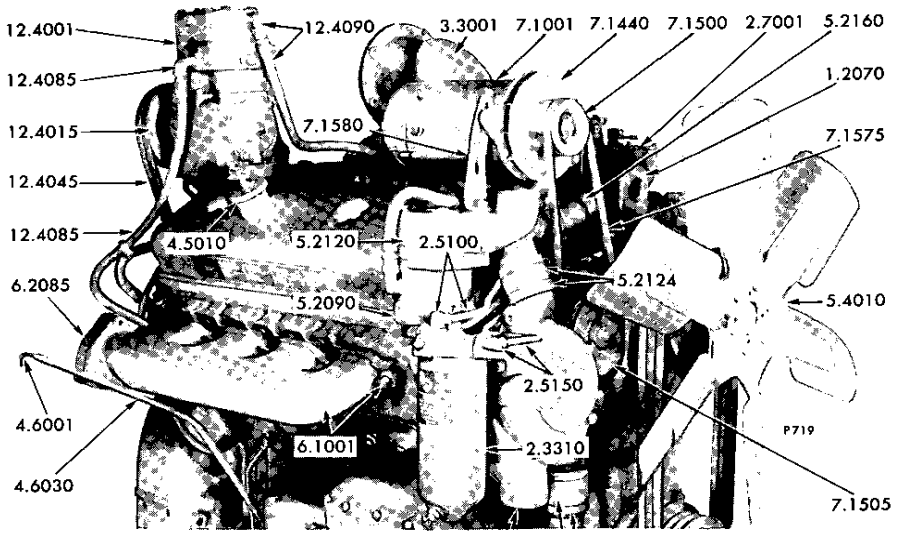

FIG. 10A

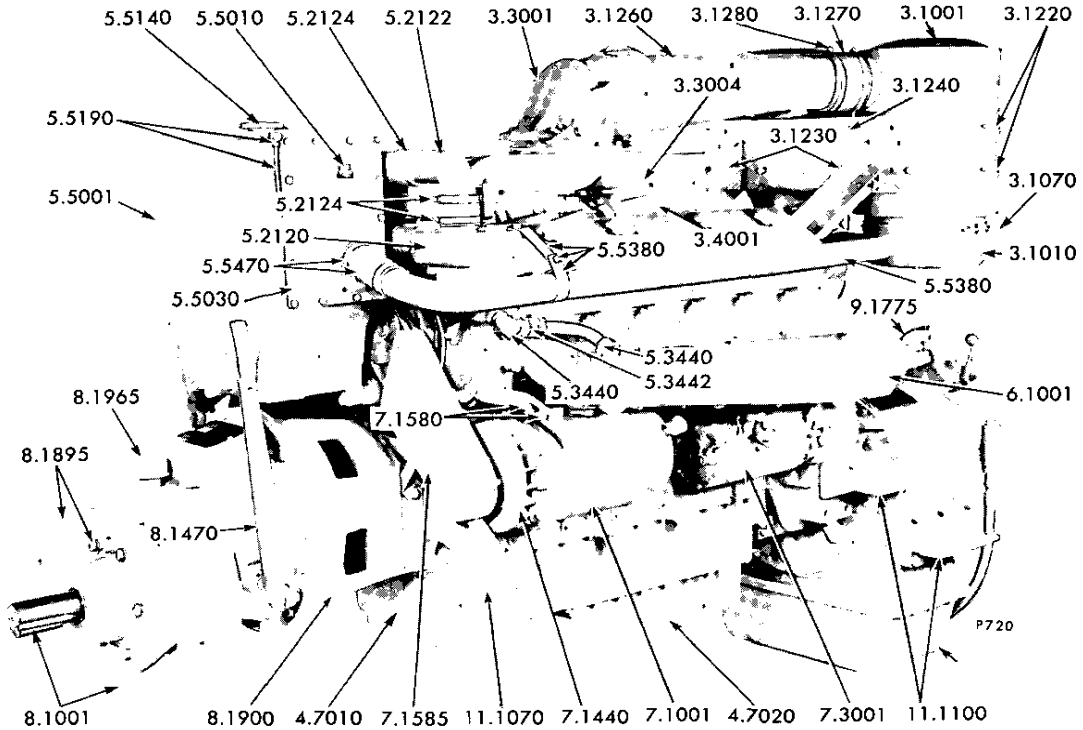

FIG. 10B

Figs. 10A & 10B of 7.0000

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6191	6288	6299	6355	6366	6377	6388	6399	6400	6411	6422	6433
		7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.												
	1117556	* #	1											
10A,B	**1106867**	* GENERATOR (24V., 20 AMP., C.W., INSL.)		1						1				
10A	**1106824**	* GENERATOR (12V., 50 AMP., C.W., INSL.)			1								1	
10A	**1117563**	* GENERATOR (32V., 40 AMP., C.W., INSL.)				1								
10A,B	**1106868**	* GENERATOR (24V., 20 AMP., C.C.W., INSL.)					1							1
10A	**1117564**	* GENERATOR (24V., 50 AMP., C.C.W.)						1						
10A,B	**1106870**	* @ GENERATOR (32V., 15 AMP., C.C.W.)							1					
10A,B	**1117571**	* GENERATOR (24V., 50 AMP., C.W., INSL.)									1			
10A	**1106869**	* GENERATOR (32V., 15 AMP., C.W.)										1		
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)		2	2									
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)								2		2	2	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)					2		2					2
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)	2					2						
	271585	BOLT, 5/8"-18X1 3/4" (12.9001)				2					2			
	103322	LOCKWASHER, 7/16" (12.9200)		2	2		2		2					2
	178571	LOCKWASHER, 7/16" (12.9215)								2		2	2	
	178627	LOCKWASHER, 5/8" (12.9220)				2					2			
	103325	LOCKWASHER, 5/8" (12.9200)	2					2						
	271500	NUT, 7/16"-14 HEX. (12.9120)					2		2	2		2	2	2
	117066	NUT, 5/8"-11 HEX. (12.9120)	2					2						
	103020	NUT, 5/8"-18 HEX. (12.9120)				2					2			
		# FIG. 10A OF 5.0000.												
		@ OBSOLETE.												
		7.1440 - FAN, GENERATOR												
#	**1910089**	* FAN	1			1		1			1			
10A	**1852643**	* FAN AND BAFFLE		1	1		1		1	1		1	1	1
	1916820	* @ FAN AND PULLEY ASSY.								1		1	1	
	103375	*PIN, COTTER (3/32"X1 1/4") (12.9250)*	10			10		10						
	113904	SCREW, #12-24X7/16" RD. HD. SL. (12.9025)		4	4		4		4	4		4	4	4
	180016	BOLT, 1/4"-20X1/2" (12.9001)	4			4		4			4			
	106498	LOCKWASHER, #12 (12.9200)		4	4		4		4	4		4	4	4
	120380	LOCKWASHER, 1/4" (12.9200)	4			4		4			4			
		# FIG. 10A OF 5.0000.												
		@ INCLUDES FAN AND BAFFLE 1910036, SCREWS 100776 AND LOCKWASHERS												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 619	628	629	635	636	637	638	639	640	641	642	643
		7.1440 - FAN, GENERATOR (CONT'D)												
		106498 IN 7.1440 PLUS PULLEY 1884697 IN 7.1500.												
		7.1500 - PULLEY, GENERATOR												
10A	5122552 #	PULLEY (4" DIA., 2 GROOVES)	1					1						
10A	5108701	PULLEY (3.24" DIA., 1 GROOVE)		1	1		1		1					1
10A	5168777	PULLEY (4 3/4" DIA., 2 GROOVES)				1					1			
10A	1884697 *	PULLEY (3 1/2" DIA., 1 GROOVE)								1		1	1	
		# NO LONGER AVAILABLE FOR SERVICE.												
		* PROCURE FROM UNITED DELCO.												
		7.1505 - PULLEY, GENERATOR DRIVE												
1E,10A	5122267	PULLEY (5" DIA., 1 GROOVE) (1.7605)		1	1									
1C	5168696	PULLEY (5 1/2" DIA., 2 GROOVES) (1.7605)				1					1			
1D	5117637 #	PULLEY (5 1/2" DIA., 1 GROOVE)								1		1	1	
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)		1	1					1		1	1	
1D	124548	KEY, 5/32"X3/4" WOODRUFF (12.9350)				1					1			
1C	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)												
1E	180121	BOLT, 3/8" 16X7/8" (12.9001)		1	1					1		1	1	
1D	179858	BOLT, 7/16"-14X1" (12.9001)												
1E	5150230	WASHER (FLAT 3/8") (3.4120)		1	1					1		1	1	
1D	5164292	WASHER (FLAT 1 1/2")												
E	103321	LOCKWASHER, 3/8" (12.9200)		1	1					1		1	1	
D	103322	LOCKWASHER, 7/16" (12.9200)												
1C	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)				1					1			
		# NO LONGER AVAILABLE FOR SERVICE.												
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
1E	5117920	HUB (1.7640)		1	1									
1C	5168697	SHAFT (1.7640)				1					1			
1D	5164286	HUB (1.7610)								1		1	1	
1C,D	5176474	BOLT (SHOULDER) (1.7630)								4		4	4	
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)		3	3									
1E	103320	LOCKWASHER, 5/16" (12.9200)		3	3									
		7.1515 - SEAL, GENERATOR DRIVE OIL												
1C	5131329	SEAL, OIL (1.7620)				1					1			
1D	5102546	SEAL, OIL (1.7660)								1		1	1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 619	628	629	635	636	637	638	639	640	641	642	643
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
1C	5123116	+ RETAINER ASSY. (1.7645)				1					1			
1D	5102565	* RETAINER ASSY. (1.7615)								1		1	1	
1C,D	179858	BOLT, 7/16"-14X1" (12.9001)				1				1	1	1	1	
1C,D	179882	BOLT, 1/2"-13X1 1/8" (12.9001)				4				4	4	4	4	
1C,D	103322	LOCKWASHER, 7/16" (12.9200)				1				1	1	1	1	
1C,D	103323	LOCKWASHER, 1/2" (12.9200)				4				4	4	4	4	
		+ NOT SERVICED; USE 5131130 SHAFT, 1-5131402 RETAINER ASSY.												
		* INCLUDES SEAL IN 7.1515.												
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
1C,D	5117061	GASKET (1.5040)				1				1	1	1	1	
		7.1535 - BEARING, GENERATOR DRIVE												
1C	954469	+ BEARING (1.7655)				1					1			
		+ OBSOLETE.												
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING												
1C	5155783	*LOCKRING (2 9/16" DIA.)* (1.7650)				1					1			
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING												
1C	5153449	PLATE (1.7630)				1					1			
1C	5177026	SPACER (1.7630)				1					1			
1C	5176474	BOLT (1.7630)				4					4			
		7.1575 - BELT, GENERATOR DRIVE												
10A	9433888	BELT (41.50" L.)					1		1					
10A	5133517	BELT (39.00"L.)		1	1									
10A	5178940	BELT (28.48" L.)								1		1	1	
	5126764	BELT SET (2 BELTS) (44.80" L., W.)	1					1						
	5139026	BELT SET (2 BELTS) (42.00" L., W.) (1.3320)												1
	5117638	BELT SET (2 BELTS) (30.88" L., W.)				1					1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 619	628	629	635	636	637	638	639	640	641	642	643
		7.1580 - STRAP, GENERATOR ADJUSTING												
#	5122550	STRAP	1					1						
10A	5122113	STRAP		1	1									
	5117685	STRAP				1					1			
10B	5124354	STRAP					1		1					1
	5117688	STRAP								1		1	1	
	180121	BOLT, 3/8"-16X7/8" (12.9001)		1	1		1		1					1
	179839	BOLT, 3/8"-16X1" (12.9001)								1		1	1	
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)					1				1	1	1	
	180147	BOLT, 3/8"-16X3 1/2" (12.9001)		2	2									
	179860	BOLT, 7/16"-14X1 1/4" (12.9001)	1			1		1			1			1
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)												
#	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	1			1		1	1	1				
	103341	WASHER, 3/8" FLAT (12.9190)		1	1					1		1	1	
	103342	WASHER, 7/16" FLAT (12.9190)				1					1			
	120396	WASHER, 1/2" FLAT (12.9190)	1					1						
	103321	LOCKWASHER, 3/8" (12.9200)		1	1	1					1			1
	103322	LOCKWASHER, 7/16" (12.9200)	1					1						
	178571	LOCKWASHER, 7/16" (12.9215)				1					1			
	103323	LOCKWASHER, 1/2" (12.9200)	1					1						1
		# FIG. 10A OF 5.0000.												
		7.1581 - SPACER, GEN. ADJUSTING STRAP												
	5164294	SPACER				1				1	1	1	1	
	5164789	SPACER (5.4025)				1			1					
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5122554	BRACKET	1					1						
	5168752	BRACKET				1					1			
	186627	BOLT, 3/8"-24X1" (12.9001)	1			2		1			2			
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)	1					1						
	103321	LOCKWASHER, 3/8" (12.9200)	2			2		2			2			
		7.1583 - SUPPORT, GENERATOR ADJUSTING STRAP BRACKET												
	5117550	SUPPORT								1		1	1	
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)								2		2	2	
	103325	LOCKWASHER, 5/8" (12.9200)								2		2	2	
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
#	5123739	GUARD	1				1	1	1		1	1	1	1	1
	5117640	GUARD				1				1		1		
	5182577	GUARD, FAN				1					1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6191	6288	6299	6335	6336	6337	6338	6339	6340	6341	6342	6343
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY(CONT'D)												
	113959	BOLT, 1/4"-20X1" RD. HD. SL. (12.9025)				1					1			
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)				3				3	3	3	3	
	103321	LOCKWASHER, 3/8" (12.9200)				3				3	3	3	3	
	120375	NUT, 1/4" (12.9120)				1					1			
		# FIG. 10A OF 5.0000.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5123738	BRACKET	1				1	1	1					
	5123736	BRACKET (TO FRONT SUPPORT MOUNTINGS)	1					1						
	5123735	BRACKET (TO GENERATOR MOUNTING BRACKET)					1		1					
	5144708	BRACKET (TO END PLATE)	1				1	1	1					
	454745	SCREW, 1/4"-28X1/2" SL. HD. (12.9025)	3				3	3	3					
	5157244	BOLT (3/8"-16X1 3/4") (END PLATE) (4.4190)	1					1	1					
	106340	BOLT, 1/2"-13X7/8" (12.9001)					1							
	120392	WASHER, 1/4" FLAT (12.9190)					3							
	103341	WASHER, 3/8" (12.9190)					1							
	103343	WASHER, 1/2" FLAT (12.9190)					1							
	103323	LOCKWASHER, 1/2" (12.9200)					1							
	5101265	NUT (RETAINER)	3				3	3	3					
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5113924	SPACER (12.6670)				3				3	3	3	3	
	5196119	SPACER (3.4001)					1		1					
		7.1595 - BRACKET, GENERATOR MOUNTING												
	5122548	BRACKET	2					2						
	5124373 @	BRACKET ASSY. (INCLUDES TUBE)		1	1									
	5117639	BRACKET				1					1			
	5126798						1		1					1
	5124331	TUBE		1	1									
	213546	BOLT, 1/4"-20X1" (12.9001)		2	2									
	179839	BOLT, 3/8"-16X1" (12.9001)		2	2		4		4					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4					4						3
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		1	1									
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)				2					2			
	5150230	WASHER, (3/8") (3.4120)	4											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6191	6288	6299	6355	6366	6377	6388	6399	6400	6411	6422	6433
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	5164292	WASHER, (7/16"I.D.X1 1/2" O.D.) (1.7605)						4						
	120380	LOCKWASHER, 1/4" (12.9200)		2	2									
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR	AR	AR					AR
	103322	LOCKWASHER, 7/16" (12.9200)		1	1									
	103325	LOCKWASHER, 5/8" (12.9200)				2					2			
		@ OBSOLETE.												
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET		1	1									
		7.1605 - REGULATOR ASSY., VOLTAGE												
		UNLESS SHOWN REGULATOR IS PART OF GENERATOR ASSEMBLY.												
#	1119200	* REGULATOR (12V., 50 AMP.) (NEGATIVE GRD.)			1								1	
#	1118755	* REGULATOR (24V., 20 AMP.) (NEGATIVE GRD.)		1										1
#	1119185	* REGULATOR (24V., 20 AMP.) (NEGATIVE GRD.)					1			1				
#	1118555	* REGULATOR (24V., 50 AMP.) (NEGATIVE GRD.)						1			1			
#	1118630	* REGULATOR (32V., 15 AMP.) (POSITIVE GRD.)							1					
#	1118697	* @ REGULATOR (32V., 15 AMP.) (NEGATIVE GRD.)							1			1		
#	1118696	* REGULATOR (32V., 40 AMP.) (NEGATIVE GRD.)	1			1								
		# FIG. 10B OF 8.0000.												
		@ OBSOLETE.												
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	5173127	MOUNTING ASSY. (SPRING)	4			4		4	4		4	4		
	1910966	* MOUNTING ASSY. (SHOCK)					1			1				
	120393	WASHER, 5/16" FLAT (12.9190)	8			8		8	8		8	8		
	120214	LOCKWASHER, 5/16" (12.9200)	8			8		8	8		8	8		
	120376	NUT, 5/16"-18 HEX. (12.9120)	8			8		8	8		8	8		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 644	645	646	647	648	656	671	674	690	702	703
		7.1001 - GENERATOR ASSY.											
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.											
#	**1117556**	* GENERATOR (32V., 40 AMP., C.C.W.)				1							
10A,B	**1106867**	* GENERATOR (24V., 20 AMP., C.W., INSL.)							1	1		1	
10A	**1106824**	* GENERATOR (12V., 50 AMP., C.W., INSL.)					1	1					1
10A,B	**1106868**	* GENERATOR (24V., 20 AMP., C.C.W., INSL.)			1								
10A,B	**1106870**	* @ GENERATOR (32V., 15 AMP., C.C.W.)	1										
10A,B	**1117571**	* GENERATOR (24V., 50 AMP., C.W., INSL.)									1		
10A	**1102288**	* GENERATOR (12V., 25 AMP., C.C.W., INSL.)		1									
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)		2									
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)								2			
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	2		1								
	427562	BOLT, 7/16"-14X1 1/2" (12.9001)			1								
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)							2				
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)					2	2					
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)										1	1
	100042	BOLT, 7/16"-20X2" (12.9001)										1	1
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)				2					2		
	103320	LOCKWASHER, 5/16" (12.9200)		2									
	103322	LOCKWASHER, 7/16" (12.9200)	2		2		2	2	2	2		2	2
	103325	LOCKWASHER, 5/8" (12.9200)				2					2		
	121917	NUT, 5/16"-24 HEX. (12.9120)		2									
	117063	NUT, 7/16"-14 HEX. (12.9120)	2		2					2			
	456939	NUT, 7/16"-20 HEX. (12.9120)					2	2	2			2	2
	102639	NUT, 5/8"-11 HEX. (12.9120)				2					2		
		# FIG. 10A OF 5.0000.											
		@ OBSOLETE.											
		7.1440 - FAN, GENERATOR											
#	**1910089**	* FAN				1					1		
10A	**1852643**	* FAN AND BAFFLE	1		1		1	1	1	1		1	1
	1866400	* FAN		1									
	103375	PIN, COTTER (3/32"X1 1/4") (12.9250)				10					10		
	113904	SCREW, #12-24X7/16" RD. HD. SL. (12.9025)	4		4		4	4	4	4		4	4
	180016	BOLT, 1/4"-20X1/2" (12.9001)				4					4		
	106498	LOCKWASHER, #12 (12.9200)	4		4		4	4	4	4		4	4
	120380	LOCKWASHER, 1/4" (12.9200)				4					4		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 644	645	646	647	648	656	671	674	690	702	703
	7.1440 - FAN, GENERATOR (CONT'D)												
		# FIG. 10A OF 5.0000.											
	7.1470 - BAFFLE, GENERATOR FAN												
	1877887 *	BAFFLE		1									
	7.1500 - PULLEY, GENERATOR												
10A	**5122552** #	PULLEY (4" DIA., 2 GROOVES)				1							
10A	**5108701**	PULLEY (3.24" DIA., 1 GROOVE)	1		1					1		1	1
10A	**5133559**	PULLEY (3.24" DIA., 1 GROOVE)		1									
10A	**5168777**	PULLEY (4 3/4" DIA., 2 GROOVES)									1		
10A	**5124217**	PULLEY (4.75" DIA., 1 GROOVE)					1	1	1				
		# NO LONGER AVAILABLE FOR SERVICE.											
	7.1505 - PULLEY, GENERATOR DRIVE												
1E,10A	**5122267**	PULLEY (5" DIA., 1 GROOVE) (1.7605)								1		1	1
1E	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)								1		1	1
1E	**180121**	BOLT, 3/8"-16X7/8" (12.9001)								1		1	1
1E	**5150230**	WASHER, (FLAT 3/8") (3.4120)								1		1	1
1E	**103321**	LOCKWASHER, 3/8" (12.9200)								1		1	1
	7.1510 - HUB, GENERATOR DRIVE PULLEY												
1E	**5117920**	HUB (1.7640)								1		1	1
1E	**181596**	BOLT, 5/16"-24X7/8" (12.9001)								3		3	3
1E	**103320**	LOCKWASHER, 5/16" (12.9200)								3		3	3
	7.1575 - BELT, GENERATOR DRIVE												
10A	**9433888**	BELT (41.50"L.,			1								
10A	**5155911**	BELT (39.32"L.,					1	1	1				
10A	**5133517**	BELT (39.00" L.,								1			
10A	**5133516**	BELT (38.00"L.,		1								1	1
	5170972	BELT SET (2 BELTS) (45.44"L., W.)									1		
	5126764	BELT SET (2 BELTS) (44.80"L., W.)				1							
	5139026	BELT SET (2 BELTS) (42.00"L., W.) (1.3320)	1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 644	645	646	647	648	656	671	674	690	702	703
		7.1580 - STRAP, GENERATOR ADJUSTING											
#	5122550	STRAP				1							
10A	5122113	STRAP								1			
10B	5124354	STRAP	1		1								
	5126265	STRAP		1									
	5124218	STRAP					1	1	1		1		
10B	5124633	+ STRAP											
10A	5133284	STRAP										1	1
	179816	BOLT, 5/16"-18X3/4" (12.9001)		1									
	180121	BOLT, 3/8"-16X7/8" (12.9001)	1		1					1		1	1
	179839	BOLT, 3/8"-16X1" (12.9001)					1	1	1				
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)			1	1							
	180147	BOLT, 3/8"-16X3 1/2" (12.9001)								2		2	2
#	179860	BOLT, 7/16"-14X1 1/4" (12.9001)				1					1		
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)	1										
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)		1							1		
	189787	BOLT, 1/2"-13X5 1/2" (12.9001)					1	1	1				
	120393	WASHER, 5/16" FLAT (12.9190)		1									
	103341	WASHER, 3/8" FLAT (12.9190)			1		1	1	1	1		1	1
	103342	WASHER, 7/16" FLAT (12.9190)				1							
	120396	WASHER, 1/2" FLAT (12.9190)		1		1							
	103321	LOCKWASHER, 3/8" (12.9200)	1				1	1	1	1		1	1
	103322	LOCKWASHER, 7/16" (12.9200)				1					1		
	103323	LOCKWASHER, 1/2" (12.9200)	1			1					1		
	120384	LOCKWASHER, 1/2" (12.9200)		1									
		# FIG. 10A OF 5.0000.											
		7.1581 - SPACER, GEN. ADJUSTING STRAP											
		+ OBSOLETE.											
	5122898	SPACER (2.9010)		1									
	5164789	SPACER (5.4025)			1								
	5113357	SPACER (USE WITH TRUNNION MOUNTS) (2.9310)					1	1	1		1		
	5175387	SPACER (USE WITH TRUNNION MOUNTS) (2.9010)					1						
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP											
	5122554	BRACKET				1							
	5168752	BRACKET									1		
	186627	BOLT, 3/8"-24X1" (12.9001)				1					2		
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)				1							
	103321	LOCKWASHER, 3/8" (12.9200)				2					2		
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
#	5123739	GUARD	1		1	1							
	5182577	GUARD, FAN				1							
	5126906	GUARD		1									

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 644	645	646	647	648	656	671	674	690	702	703
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY(CONT'D)											
	113959	BOLT, 1/4"-20X1" RD. HD. SL. (12.9025)				1							
	120375	NUT, 1/4" (12.9120)				1							
		# FIG. 10A OF 5.0000.											
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5123738	BRACKET		1		1							
	5123736	BRACKET (TO FRONT SUPPORT MOUNTINGS)				1							
	5123735	BRACKET (TO GENERATOR MOUNTING BRACKET)			1								
	5126907	BRACKET		1									
	5144708	BRACKET (TO END PLATE)		1	1	1							
	454745	SCREW, 1/4"-28X1/2" SL. HD. (12.9025)		3	3	3							
	454894	BOLT, 1/4"-20X3/4" (12.9001)		1									
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)				1							
	5157244	BOLT (3/8"-16X1 3/4") (END PLATE) (4.4190)			1								
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)		1									
	106340	BOLT, 1/2"-13X7/8" (12.9001)			1								
	120392	WASHER, 1/4" FLAT (12.9190)		1									
	103341	WASHER, 3/8" (12.9190)		1									
	103343	WASHER, 1/2" FLAT (12.9190)			1								
	120380	LOCKWASHER, 1/4" (12.9200)		1									
	103321	LOCKWASHER, 3/8" (12.9200)		1									
	103323	LOCKWASHER, 1/2" (12.9200)			1								
	120375	NUT, 1/4"-20 HEX. (12.9120)			1								
	5123531	NUT (RETAINER)		3		3							
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5167319	SPACER		1									
	5196119	SPACER (3.4001)			1								
		7.1595 - BRACKET, GENERATOR MOUNTING											
	5122548	BRACKET				2					2		
	5124373 @	BRACKET ASSY. (INCLUDES TUBE)								1			
	5126798	BRACKET	1		1								
	5126281	BRACKET		1									
	5124463	BRACKET					1						
	5124462	BRACKET						1	1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 644	645	646	647	648	656	671	674	690	702	703
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)											
	5131801	= # BRACKET ASSY. (INCLUDES TUBE) (FRONT)										1	1
	5130042	= BRACKET (REAR)										1	1
	5125820	& BRACKET ASSY. (INCLUDES TUBE)										1	1
	5124331	TUBE								1		1	1
	213546	BOLT, 1/4"-20X1" (12.9001)								2		2	2
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2			2	2	2	2		4	4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				3					3		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			4								
	179858	BOLT, 7/16"-14X1" (12.9001)					4	4	4				
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)								1			
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)										1	1
	181675	BOLT, 7/16"-20X2 1/2" (12.9001)										1	1
	103341	WASHER, 3/8" FLAT (12.9190)			2							2	2
	120380	LOCKWASHER, 1/4" (12.9200)								2		2	2
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)					1	1	1	1		1	1
	456939	NUT, 7/16"-20 HEX. (12.9120)										2	2
		= EFFECTIVE WITH 6VA-20626, 8VA-11016, 12VA-3241.											
		# NOT SERVICED; REPLACE WITH (1) 5135411 BRACKET ASSY. (FRONT). (1) 5134833 BRACKET (REAR) AND (2) 5164294 SPACER.											
		& THRU 6VA-20625, 8VA-11015, 12VA-3240; NOT SERVICED, REPLACE WITH ITEMS MARKED "=".											
		@ OBSOLETE.											
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET											
	5122266	GASKET								1		1	1
		7.1605 - REGULATOR ASSY., VOLTAGE											
		UNLESS SHOWN REGULATOR IS PART OF GENERATOR ASSEMBLY.											
#	**1119292**	* REGULATOR (12V., 25 AMP.) (NEGATIVE GRD.)		1									
#	**1119200**	* REGULATOR (12V., 50 AMP.) (NEGATIVE GRD.)					1						1
#	**1118883**	* REGULATOR (12V., 50 AMP.) (POSITIVE GRD.)						1					
#	**1119185**	* REGULATOR (24V., 20 AMP.) (NEGATIVE GRD.)										1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 644	645	646	647	648	656	671	674	690	702	703
		7.1605 - REGULATOR ASSY., VOLTAGE (CONT'D)											
#	**1118346**	* REGULATOR (24V., 20 AMP.) (POSITIVE GRD.)			1				1	1			
#	**1118697**	* @ REGULATOR (32V., 15 AMP.) (NEGATIVE GRD.)	1										
#	**1118586**	* REGULATOR (32V., 40 AMP.) (POSITIVE GRD.)				1							
		# FIG. 10B OF 8.0000.											
		@ OBSOLETE.											
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	5173127	MOUNTING ASSY. (SPRING)	4		4								
	1910966	* MOUNTING ASSY. (SHOCK)		1								1	
	5185708	BRACKET, REGULATOR MOUNTING			1								
	190741	SCREW, 1/4"-28X1" (12.9010)			4								
	120393	WASHER, 5/16" FLAT (12.9190)	8			8							
	120380	LOCKWASHER, 1/4" (12.9200)			4	4							
	120214	LOCKWASHER, 5/16" (12.9200)	8										
	120376	NUT, 5/16"-18 HEX. (12.9120)	8			8							
		* PROCURE FROM AC DELCO.											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 708	709	724	726	727	735	754	755	761	768	770	772
		7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)	1	1										
10A,B	1102288	* GENERATOR (12V., 25 AMP., C.C.W., GRD.)			1		1							
10A,B	1106867	* GENERATOR (24V., 20 AMP., C.W., INSL.)				1			1					
10B	1106868	* GENERATOR (24V., 20 AMP., C.C.W., INSL.)						1						
10B	1117079	* GENERATOR (32V., 30 AMP., C.C.W., AC)								1	1			
10B	1102287	* GENERATOR (12V., 25 AMP., C.W. GRD.)										1		
10B	1117072	* GENERATOR (24V., 60 AMP., C.C.W., AC)											1	
10A	1106822	* GENERATOR (12V., 50 AMP., C.W., GRD.)												1
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)			2		2							
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)								2	2			
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)											1	
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)										1	1	
	100030	BOLT, 3/8"-24X2" (12.9001)										1		
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)							2					2
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						2						
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)				2								
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)		1								1		
	100042	BOLT, 7/16"-20X2" (12.9001)		1								1		
	103320	LOCKWASHER, 5/16" (12.9200)			2		2					2		
	103321	LOCKWASHER, 3/8" (12.9200)								2	2	2	2	
	103322	LOCKWASHER, 7/16" (12.9200)				2		2	2					2
	114493	NUT, 5/16"-24 HEX. (12.9120)			2		2							
	117049	NUT, 3/8"-24 HEX. (12.9120)										2	2	
	456939	NUT, 7/16"-20 HEX. (12.9120)		2		2						2		
	271500	NUT, 7/16"-14 HEX. (12.9120)						2						
		7.1440 - FAN, GENERATOR												
10A	1866400	* FAN			1		1					1		
10A	1910036	* FAN AND BAFFLE				1		1	1					1
	113904	SCREW, #12-24X7/16" RD. HD. SL. (12.9025)				4		4	4					4
	106498	LOCKWASHER, #12 (12.9200)				4		4	4					4
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE			1		1							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 708	709	724	726	727	735	754	755	761	768	770	772
		7.1500 - PULLEY, GENERATOR												
10A	5108701	PULLEY (3 1/4" DIA., 1 GROOVE)	1	1				1	1					1
10A	5133559	PULLEY (3 1/4" DIA., 1 GROOVE)			1		1						1	
10A	5124217	PULLEY (4 3/4" DIA., 1 GROOVE) (7.1505)				1								
10A	5132527	PULLEY (2 5/8" DIA., 2 GROOVES) (1.7605)								1	1			
10A	5133561	PULLEY (3 1/4" DIA., 1 GROOVE)										1		
		7.1505 - PULLEY, GENERATOR DRIVE												
1E	5122267	PULLEY (5" DIA., 1 GROOVE) (1.7605)	1	1					1	1		1		1
1C	5132669	PULLEY (6.29" DIA., 2 GROOVES)								1				
1C	5145905	PULLEY (6.29" DIA., 2 GROOVES)								1	1			
1D	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1	1					1			1		1
1E	179838	BOLT, 3/8"-16X5/8" (12.9001)	1	1					1			1		1
1E	5150230	WASHER (3/8" FLAT) (3.4120)	1	1					1			1		1
1E	103321	LOCKWASHER, 3/8" (12.9200)	1	1					1			1		1
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
1E	5117920	HUB (1.7640)	1	1					1			1		1
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)	3	3					3			3		3
1E	103320	LOCKWASHER, 5/16" (12.9200)	3	3					3			3		3
		7.1575 - BELT, GENERATOR DRIVE												
10A	5133516	BELT (38"L.,	1	1	1		1		1					
10A	5133519	BELT (39"L.,						1						
10A	5135953	BELT (41"L., COGGED)				1								
10A	9433877	BELT (36"L.,										1		
10A	5140928	BELT (40"L.,											1	
10A	5133517	BELT (39"L.,												1
	5132591	BELT SET (2 BELTS, 45.72"L., W.)								1	1			
		7.1580 - STRAP, GENERATOR ADJUSTING												
10A,B	5122113	STRAP	1											1
10A,B	5133284	STRAP		1					1					
10A	5126265	STRAP			1		1							
10B	5124218	+ STRAP				1								
10A	5126799	STRAP						1						
10A	5128546	STRAP								1	1			
10A	5127005	STRAP										1		
10B	5128884	STRAP											1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7081	7091	7244	7266	7277	7355	7541	7555	7611	7688	7700	7722
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	179816	BOLT, 5/16"-18X3/4" (12.9001)			1									
	179822	BOLT, 5/16"-18X1 3/4" (7.1580)					1							
	179837	BOLT, 3/8"-16X3/4" (12.9001)								1	1			
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1					1			1		1
	179839	BOLT, 3/8"-16X1" (12.9001)											1	
	180126	BOLT, 3/8"-16X1 1/2" (12.9001)						1						
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)				1		1						
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	2						1			2		2
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)		2									2	
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)			1		1							
	189787	BOLT, 1/2"-13X5 1/4" (12.9001)				1								
	5121403	WASHER, 21/64"X1"X3/16"			1									
	103341	WASHER, 3/8" FLAT (12.9190)		1		1		1	1	1	1	1	1	1
	120396	WASHER, 1/2" FLAT (12.9190)			1		1							
	103320	LOCKWASHER, 5/16" (12.9200)			AR		AR							
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR		AR	AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)			AR		AR							
	120376	NUT, 5/16"-18 HEX. (12.9120)					1							
	102635	NUT, 3/8"-16 HEX. (12.9120)						1						
		+ OBSOLETE.												
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5115323	SPACER (2.9010)			1		1							
	5113357	SPACER (USE WITH TRUNNION MOUNTS) (2.9310)				1								
	5164789	SPACER (5.4025)						1						
	5160629	SPACER (4.2270)						1						
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5127004	BRACKET										1		
	181361	BOLT, 3/8"-24X7/8" (12.9001)										1		
	103321	LOCKWASHER, 3/8" (12.9200)										AR		
	117049	NUT, 3/8"-24 HEX. (12.9120)										1		
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
#	5126796	GUARD				1		1						
#	5126797	GUARD					1							
#	5128544	GUARD								1	1			
	120628	BOLT, 1/4"-28X1/2" (TRUSS HD.)								3	3			
	120392	WASHER, 1/4" FLAT (12.9190)								3	3			
	3844999	NUT, (1/4"-28 RETAINING)								3	3			
		# FIG. 10A OF 5.0000.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 708	709	724	726	727	735	754	755	761	768	770	772
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5128536	BRACKET (RIGHT ANGLE, 1.18"X1.12")								1	1			
	5128537	BRACKET (RIGHT ANGLE, 1.62"X1.50")								1	1			
	5128538	BRACKET (RIGHT ANGLE, 2.20"X.92")								1	1			
	180120	BOLT, 3/8"-16X3/4" (12.9001)								1	1			
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)								1	1			
	180176	BOLT, 1/2"-13X3/8" (12.9001)								1	1			
	103343	WASHER, 1/2" FLAT (12.9190)								1	2			
	103321	LOCKWASHER, 3/8" (12.9200)								2	2			
	103323	LOCKWASHER, 1/2" (12.9200)								1	1			
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5164789	SPACER (7/8"X13/32"X7/8") (5.4025)								1	1			
		7.1595 - BRACKET, GENERATOR MOUNTING												
	5130042 &	BRACKET (REAR)		1			1					1		
	5126281	BRACKET			1									
	5124463	BRACKET				1								
	5126798	BRACKET						1						
	5128547	BRACKET								1	1			
	5128885	BRACKET											1	
	5124373 @	BRACKET ASSY. (INCLUDES TUBE)	1											1
	5131801 # &	BRACKET ASSY. (INCLUDES TUBE) (FRONT)		1								1		
	5125820 =	BRACKET ASSY. (INCLUDES TUBE)		1										
	5128755 @	BRACKET ASSY. (INCLUDES ADAPTOR)							1					
	5127305 =	BRACKET ASSY. (INCLUDES TUBE)										1		
	5124331	TUBE	1	1								1		1
	5128808 @	ADAPTOR (GOVERNOR FUEL ROD)							1					
	213546	BOLT, 1/4"-20X1" (12.9001)	2	2					2			2		2
	179839	BOLT, 3/8"-16X1" (12.9001)	2	6		2		2	2		4	6		2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			4					4				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											2	
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)						2						
	179858	BOLT, 7/16"-14X1" (12.9001)				1								
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1	1					1				1	1
	120392	WASHER, 1/4" FLAT (12.9190)	2	2					2			2		
	103341	WASHER, 3/8" FLAT (12.9190)		4	4			2				4		
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR					AR			AR		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR		AR	AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR		AR			AR			AR	AR	AR
	456939	NUT, 7/16"-20 HEX. (12.9120) & EFFECTIVE WITH 6VA-20626, 8VA-9372		2								2		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 708	709	724	726	727	735	754	755	761	768	770	772
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
		12VA-3241.												
		@ OBSOLETE.												
		# NOT SERVICED; REPLACE WITH 1-5135411 BRACKET ASSY.(FRONT) 1-5134833 BRACKET (REAR) AND 2-5164294 SPACERS.												
		= THRU 6VA-20625, 8VA-9371, *12VA-3240; NOT SERVICED, REPLACE* WITH ITEMS MARKED "&".												
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5117734	*GASKET (1.1070)*			1					1	1			
	5122266	GASKET	1	1					1			1		1
		7.1605 - REGULATOR ASSY., VOLTAGE												
@	1118955	* REGULATOR (12V., 25 AMP. POSITIVE *GRD.)*			1		1							
@	1119292	* REGULATOR (12V., 25 AMP. NEGATIVE GRD.)										1		
	1118881	* REGULATOR (12V., 50 AMP. NEGATIVE GRD.)												1
@	1118346	$ REGULATOR (24V., 20 AMP. POSITIVE GRD.)				1	1							
@	1119185	* *REGULATOR (24V., 20 AMP. NEGATIVE* GRD.)					1							
@	1118755	REGULATOR (24V., NEGATIVE GROUND)						1						
	9000555	* + REGULATOR (24V., TRANSISTOR TYPE)											1	
	9000591	* = REGULATOR (24V., TRANSISTOR TYPE)											1	
	9000556	* & REGULATOR (30V., TRANSISTOR TYPE, NEGATIVE GROUND, 15 CELL)								1				
	9000592	* # *REGULATOR (30V. NEGATIVE GROUND* FOR 15 CELL BATTERY)								1				
	9000557	* % REGULATOR (32V., TRANSISTOR TYPE, NEGATIVE GROUND, 16 CELL)								1	1			
	9000593	□ REGULATOR (32V., FOR 16 CELL BATTERY) (NEGATIVE GROUND)								1	1			
	190741	SCREW, 1/4"-28X1" FIL. HD. SL. (12.9010)						4						
	106276	BOLT, 1/4"-18X1 1/8" (12.9001)				4	4							
	120380	LOCKWASHER, 1/4" (12.9200)				4	4	4						
		@ FIG. 10B OF 8.0000.												
		& THRU 6VA-23160, 7VA-13532, 12VA-4088; NOT SERVICED, REPLACE WITH ITEMS MARKED "#" IN 7.1605.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 708	709	724	726	727	735	754	755	761	768	770	772
		7.1605 - REGULATOR ASSY., VOLTAGE (CONT'D)												
		7.1630.												
		= EFFECTIVE WITH 6VA-23736, 8VA-13578, 12VA-4081, 16VA-654.												
		% THRU 6VA-23529, 8VA-13299, 12VA-3995; NOT SERVICED, REPLACE WITH ITEMS MARKED "?" IN 7.1605, 7.1630.												
		# EFFECTIVE WITH 6VA-23161, 8VA-13533, 12VA-4089.												
		+ THRU 6VA-23735, 8VA-13577, 12VA-4080, 16VA-653; NOT SERVICED, REPLACE WITH ITEMS MARKED "=" IN 7.1605, 7.1630.												
		◻ OBSOLETE.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115843	* RELAY, 32 VOLT								1	1		1	
	1115842	* RELAY, 24 VOLT												
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5185708	PLATE				1	1	1						
	179837	BOLT, 3/8"-16X3/4" (12.9001)				2	2							
	103341	WASHER, 3/8" FLAT (12.9190)				2	2							
	103321	LOCKWASHER, 3/8" (12.9200)				2	2							
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)					1			1		1		
	51855558	@ STRAP, GROUND (7.7110)								1				
		@ WITH 30 VOLT REGULATOR, TYPE 755.												
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985057	= CABLE ASSY. (24V.)											1	
	2985056	# CABLE ASSY. (30V.)								1				
	2985055	? CABLE ASSY. (32V.)								1	1			
		? EFFECTIVE WITH 6VA-23161, 8VA-13533, 12VA-3876.												
		= EFFECTIVE WITH 6VA-23736, 8VA-13578, 12VA-4081, 16VA-654.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 708	709	724	726	727	735	754	755	761	768	770	772
	7.1630	**WIRE ASSY., GENERATOR TO REGULATOR (CONT'D)**												
		# EFFECTIVE WITH 6VA-23161, 8VA-13533, 12VA-4089.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 775	780	784	786	787	792	798	799	801	807	814	819
		7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)	1			1						1		
10A,B	1102288	* GENERATOR (12V., 25 AMP., C.C.W., GRD.)												1
10A	1106822	* GENERATOR (12V., 50 AMP., C.W., GRD.)					1							
10B	1106825	* GENERATOR (12V., 50 AMP., C.C.W., INSL.)		1	1									
10B	1117070	* GENERATOR (12V., 60 AMP., C.W., GRD.)						1						
10B	1117075	* GENERATOR (24V., 60 AMP., C.C.W., AC)							1					
10B	1117076	* GENERATOR (32V., 60 AMP., C.C.W., AC)								1				
10B	1106824	* GENERATOR (12V., 50 AMP., C.W., INSL.)									1			
10B	1117236	* GENERATOR (24V., 30 AMP., C.W., AC)											1	
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)												2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							1	1				
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)							1	1				
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)											1	
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)						1					1	
	100030	BOLT, 3/8"-24X2" (12.9001)						1						
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		2	2									
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)									2			
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)				1	1	1				1		
	100042	BOLT, 7/16"-20X2" (12.9001)				1	1	1				1		
	103320	LOCKWASHER, 5/16" (12.9200)												2
	103322	LOCKWASHER, 7/16" (12.9200)		2	2		2				2			
	114493	NUT, 5/16"-24 HEX. (12.9120)												2
	117049	NUT, 3/8"-24 HEX. (12.9120)						2					2	
	456939	NUT, 7/16"-20 HEX. (12.9120)				2	2	2			2	2		
	271500	NUT, 7/16"-14 HEX. (12.9120)		2	2									
		7.1440 - FAN, GENERATOR												
10A	1866400	* FAN												1
10A	1910036	* FAN AND BAFFLE		1	1		1				1			
	113904	SCREW, #12-24X7/16" RD. HD. SL. (12.9025)		4	4		4				4			
	106498	LOCKWASHER, #12 (12.9200)		4	4		4				4			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 775	780	784	786	787	792	798	799	801	807	814	819
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887 *	BAFFLE												1
		7.1500 - PULLEY, GENERATOR												
10A	5108701	PULLEY (3 1/4" DIA., 1 GROOVE)		1	1		1							
10A	5133559	PULLEY (3 1/4" DIA., 1 GROOVE)											1	1
10A	5124217	PULLEY (4 3/4" DIA., 1 GROOVE) (7.1505)									1			
10A	5132527	PULLEY (2 5/8" DIA., 2 GROOVES) (1.7605)							1	1				
10A	5133561	PULLEY (3 1/4" DIA., 1 GROOVE)						1						
		7.1505 - PULLEY, GENERATOR DRIVE												
1E	5122267	PULLEY (5" DIA., 1 GROOVE) (1.7605)	1				1	1	1	1		1		
1C	5132669	PULLEY (6.29" DIA., 2 GROOVES)							1	1				
1C	5145905	PULLEY (6.29" DIA., 2 GROOVES)							1	1				
1D	5100268	PULLEY (5.25" DIA., 1 GROOVE)											1	
1D	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1				1	1				1		
1C,D	123548	KEY, 5/32"X3/4" WOODRUFF (12.9350)											1	
1E	179838	BOLT, 3/8"-16X5/8" (12.9001)	1				1	1				1		
1D	179858	BOLT, 7/16"-14X1" (12.9001)											1	
1E	5150230	WASHER (3/8" FLAT) (3.4120)	1				1	1				1		
1D	5164292	WASHER, (1 1/2"X7/16"X5/32") (1.7605)											1	
1E	103321	LOCKWASHER, 3/8" (12.9200)	1				1	1				1		
1D	103322	LOCKWASHER, 7/16" (12.9200)											1	
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
1E	5117920	HUB (1.7640)	1				1	1				1		
1D	5164286	HUB (1.7610)											1	
1D	5176474	BOLT (1.7630)											4	
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)	3				3	3				3		
1E	103320	LOCKWASHER, 5/16" (12.9200)	3				3	3				3		
		7.1515 - SEAL, GENERATOR DRIVE OIL												
1C	5102546	SEAL (1.7620)											1	
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
		A RETAINER ASSY. INCLUDES SEAL IN 7.1515.												
1D	5102565	RETAINER ASSY. (1.7615)											1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 775	780	784	786	787	792	798	799	801	807	814	819
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL(CONT'D)												
1D	179858	BOLT, 7/16"-14X1" (12.9001)											1	
1D	179882	BOLT, 1/2"-13X1 1/8" (12.9001)											4	
1D	103322	LOCKWASHER, 7/16" (12.9200)											1	
1D	103323	LOCKWASHER, 1/2" (12.9200)											4	
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
1D	5117061	GASKET (1.5040)											1	
		7.1575 - BELT, GENERATOR DRIVE												
		P. INDICATES "PREMIUM."												
10A	5133516	BELT (38"L.,					1	1						
10A	5155911	BELT (39.32"L.,									1			
10A	9433888	BELT (41.50".,		1	1									
10A	5133517	BELT (39"L.,.500"W.) (P)											1	1
	5132591	BELT SET (2 BELTS, 45.72"L., .380"W.)							1	1				
		7.1580 - STRAP, GENERATOR ADJUSTING												
10A,B	5122113	STRAP	1											
10A,B	5133284	STRAP					1					1		
10A	5126265	STRAP									1			1
10B	5124218	STRAP												
10A	5126799	STRAP		1										
10A	5128546	STRAP							1	1				
10A	5124354	STRAP			1									
10A	5131768	STRAP						1						
10A	5188793	STRAP											1	
	179822	BOLT, 5/16"-18X1 3/4" (7.1580)												1
	179837	BOLT, 3/8"-16X3/4" (12.9001)							1	1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1			1							
	179839	BOLT, 3/8"-16X1" (12.9001)											1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						1						
	180126	BOLT, 3/8"-16X1 1/2" (12.9001)		1										
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)		1	1						1			
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	2				2	1				2		
	181361	BOLT, 3/8"-24X7/8" (12.9001)											1	
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)												1
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)									1			
	189787	BOLT, 1/2"-13X5 1/4" (12.9001)											2	
	103341	WASHER, 3/8" FLAT (12.9190)					1		1	1	1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 775	780	784	786	787	792	798	799	801	807	814	819
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	5150230	WASHER, (3/8" FLAT) (3.4120)						1						
	120396	WASHER, 1/2" FLAT (12.9190)												1
	103320	LOCKWASHER, 5/16" (12.9200)												AR
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR		AR	AR	AR	AR	AR		AR	
	103323	LOCKWASHER, 1/2" (12.9200)												AR
	120376	NUT, 5/16"-18 HEX. (12.9120)												1
	102635	NUT, 3/8"-16 HEX. (12.9120)		1										
	117049	NUT, 3/8"-24 HEX. (12.9120)						1						
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5115323	SPACER (2.9010)												1
	5164789	SPACER (5.4025)		1	1									
	5160629	SPACER (4.2270)		1										
	5175387	SPACER (2.9010)									1			
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5127004	BRACKET						1						
	191249	BOLT, 3/8"-16X3 1/4" (12.9001)						2						
	103321	LOCKWASHER, 3/8". (12.9200)						AR						
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
#	5126796	GUARD		1							1			
#	5126797	GUARD												1
#	5128544	GUARD			1				1	1				
#	5123739	GUARD												
	190741	SCREW, 1/4"-28X1" FIL. HD. SL. (12.9025)		4					3	3				
	120628	BOLT, 1/4"-28X1/2" (TRUSS HD.)							3	3				
	120392	WASHER, 1/4" FLAT (12.9190)		4					3	3				
	120380	LOCKWASHER, 1/4" (12.9200)												
	3844999	NUT (1/4"-28 RETAINING)												
		# FIG. 10A OF 5.0000.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5144708	BRACKET (RIGHT ANGLE, 2.20"X1.06") (WBP)			1				1					
	5128536	BRACKET (RIGHT ANGLE, 1.18"X1.12")							1	1				
	5128537	BRACKET (RIGHT ANGLE, 1.62"X1.50")							1	1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 775	780	784	786	787	792	798	799	801	807	814	819
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD(CONT'D)												
	5128538	BRACKET (RIGHT ANGLE, 2.20"X.92")							1	1				
	5123738	BRACKET (HOOK SHAPED)			1									
	5123735	BRACKET (RIGHT ANGLE, TWISTED)			1				1	1				
	180120	BOLT, 3/8"-16X3/4" (12.9001)							1	1				
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)			1				1	1				
	180176	BOLT, 1/2"-13X3/8" (12.9001)							1	1				
	106340	BOLT, 1/2"-13X7/8" (12.9001)			1									
	454745	BOLT, 1/4"-28X1/2" (TRUSS HD.)			3									
	103343	WASHER, 1/2" FLAT (12.9190)			AR				2	2				
	103321	LOCKWASHER, 3/8" (12.9200)												
	103323	LOCKWASHER, 1/2" (12.9200)			AR									
	5123531	NUT (1/4"-28 RETAINING)			3									
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5164789	SPACER (7/8"X13/32"X7/8") (5.4025)			1				1	1				
		7.1595 - BRACKET, GENERATOR MOUNTING												
	5130042 &	BRACKET (REAR)				1	1	1				1		1
	5126281	BRACKET									1			
	5124463	BRACKET												
	5126798	BRACKET		1	1				1	1			1	
	5128547	BRACKET											1	
	5100299	BRACKET (REAR)												
	5100300	BRACKET (FRONT)												
	5124373 @	BRACKET ASSY. (INCLUDES TUBE)	1			1	1	1				1		
	5131801 #	BRACKET ASSY. (INCLUDES TUBE) (FRONT)				1	1					1		
	5125820 %	BRACKET ASSY. (INCLUDES TUBE)				1	1					1		
	5124331	TUBE	1			2	2	2				2		
	213546	BOLT, 1/4"-20X1" (12.9001)	2			6	6	6			2	6		
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	4				4	4				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2										4
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)											2	
	5126695	BOLT (3/8"-24X5 3/8") (12.4001)									1			
	179858	BOLT, 7/16"-14X1" (12.9001)						1						
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1								2			
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)												
	120392	WASHER, 1/4" FLAT (12.9190)	2			2	2	2				2		
	103341	WASHER, 3/8" FLAT (12.9190)		2		4	4	2				4		
	120380	LOCKWASHER, 1/4" (12.9200)	AR			AR	AR	AR	AR	AR	AR	AR		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR			AR	AR		
	103322	LOCKWASHER, 7/16" (12.9200)	AR			AR	AR	AR						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 775	780	784	786	787	792	798	799	801	807	814	819
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	117049	NUT, 3/8"-24 HEX. (12.9120)											2	
	456939	NUT, 7/16"-20 HEX. (12.9120)				2	2				2	2		
		& EFFECTIVE WITH 6VA-20626, 8VA-9372, 12VA-3241.												
		@ OBSOLETE.												
		# NOT SERVICED; REPLACE WITH 1-5135411 BRACKET ASSY. (FRONT) 1-5134833 BRACKET (REAR) AND 2-5164294 SPACERS.												
		% THRU 6VA-20625, 8VA-9371, 12VA-3240; NOT SERVICED, REPLACE WITH ITEMS MARKED "&".												
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5117734	GASKET (1.1070)							1	1				
	5122266	GASKET	1			1	1	1				1		
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5160629	SPACER (4.2270)											2	
	5164789	SPACER (13/32"X7/8"X3/8") (5.4025)												4
		7.1605 - REGULATOR ASSY., VOLTAGE												
@	1118955 *	REGULATOR (12V., 25 AMP., POSITIVE GRD.)												1
	1118881 *	REGULATOR (12V., 50 AMP., NEGATIVE GRD.)					1							
@	1119200 *	REGULATOR (12V., 50 AMP., NEGATIVE GRD.)	1		1							1		
@	1118883 *	REGULATOR (12V., 50 AMP., POSITIVE GRD.)		1							1			
	9000552 *	& REGULATOR (12V., 60 AMP., TRANSISTOR TYPE, NEGATIVE GROUND)						1						
	9000590 *	+? REGULATOR (12V., NEGATIVE GROUND)						1						
	9000555 *	%? REGULATOR (24V., TRANSISTOR TYPE)							1				1	
	9000591 *	=? REGULATOR (24., NEGATIVE GROUND)							1				1	
	9000556 *	? REGULATOR (30V., TRANSISTOR TYPE, NEGATIVE GROUND, 15 CELL)								1				
	9000592 *	# REGULATOR (30V., NEGATIVE GROUND FOR 15 CELL BATTERY)								1				
	9000557 *	$ REGULATOR (32V., TRANSISTOR TYPE,								1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 755	780	784	786	787	792	798	799	801	807	814	819
		7.1605 - REGULATOR ASSY., VOLTAGE (CONT'D)												
		NEGATIVE GROUND 16 CELL)												
	9000593	□ REGULATOR (32V., FOR 16 CELL BATTERY) (NEGATIVE GROUND)								1				
	106276	BOLT, 1/4"-18X1 1/8" (12.9001)									4			4
	120380	LOCKWASHER, 1/4" (12.9200)									4			4
		@ FIG. 10B OF 8.0000.												
		& THRU 8VA-12850; NOT SERVICED, REPLACE WITH ITEMS MARKED "+" IN 7.1605, 7.1630.												
		+ EFFECTIVE WITH 8VA-12851.												
		% THRU 6VA-23735, 8VA-13577, 12VA-4080, 16VA-653; NOT SERVICED, REPLACE WITH ITEMS MARKED "=" IN 7.1605, 7.1630.												
		= EFFECTIVE WITH 6VA-23736, 8VA-13578, 12VA-4081, 16VA-654.												
		? THRU 6VA-23160, 7VA-13532, 12VA-4088; NOT SERVICED, REPLACE WITH ITEMS MARKED "#" IN 7.1605, 7.1630.												
		# EFFECTIVE WITH 6VA-23161, 8VA-13533, 12VA-4089.												
		? THRU 6VA-23529, 8VA-13299, 12VA-3995; NOT SERVICED, REPLACE WITH ITEMS MARKED "##" IN 7.1605, 7.1630.												
		? EFFECTIVE WITH 6VA-23161, 8VA-13533, 12VA-3876.												
		□ OBSOLETE.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115843	* RELAY, 32 VOLT							1	1				
	1115842	* RELAY, 24 VOLT							1				1	
	1115841	* RELAY, 12 VOLT						1						
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5185708	PLATE		1							1			1
	179837	BOLT, 3/8"-16X3/4" (12.9001)									2			2
	103341	WASHER, 3/8" FLAT (12.9190)									2			2
	103321	LOCKWASHER, 3/8" (12.9200)									2			2
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)							1					
	5185558	@ STRAP, GROUND (7.7110)											1	
		@ WITH 30 VOLT REGULATOR, TYPE 755.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7755	7800	7844	7886	7887	7992	7998	7999	8001	8007	8014	8019
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985054	+ CABLE ASSY. (12V.)						1						
	2985057	= CABLE ASSY. (24V.)							1				1	
	2985056	# CABLE ASSY. (30V.)								1				
	2985055	■ CABLE ASSY. (32V.)								1				

■ EFFECTIVE WITH 6VA-23161, 8VA-13533, 12VA-3876.
+ EFFECTIVE WITH 8VA-12851.
= EFFECTIVE WITH 6VA-23736, 8VA-13578, 12VA-4081, 16VA-654.
EFFECTIVE WITH 6VA-23161, 8VA-13533, 12VA-4089.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8244	8333	8337	8533	8555	8644	8733	8744	8833	8844	8888	8899
		7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.												
10B	**1117074**	* GENERATOR (32V., 60 AMP., C.W., AC)	1											
10B	**1117563**	* GENERATOR (32V., 40 AMP., C.W., INSL.)		1										
10A	**1117070**	* GENERATOR (12V., 60 AMP., C.W., AC)			1									
10B	**1117115**	* GENERATOR (12V., 105 AMP., C.W., AC)				1								
10B	**1117076**	* GENERATOR (32V., 60 AMP., C.C.W., AC)					1				1			
10B	**1117080**	* GENERATOR (24V., 30 AMP., C.C.W., AC)							1					
10B	**1106867**	* GENERATOR (24V., 20 AMP., C.W., INSL.)								1				
10B	**1106942**	* GENERATOR (12V., 50 AMP., C.W., INSL.)										1		
10B	**1106943**	* GENERATOR (12V., 40 AMP., C.W., INSL.)											1	
10B	**1117075**	* GENERATOR (24V., 60 AMP., C.C.W., AC)												1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							2		1			
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)									1			
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)	1				1							1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)	1		1	2	1							1
	100030	BOLT, 3/8"-24X2" (12.9001)			1									
	179860	BOLT, 7/16"-14X1 1/4" (12.9001)						2						
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)								1		1	1	
	100042	BOLT, 7/16"-20X2" (12.9001)								1		1	1	
	271585	BOLT, 5/8"-18X1 3/4" (12.9001)		2										
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR		AR		AR			AR
	103322	LOCKWASHER, 7/16" (12.9200)						AR		AR		AR	AR	
	178627	LOCKWASHER, 5/8" (12.9200)		AR										
	117049	NUT, 3/8"-24 HEX. (12.9120)	2		2	2	2							2
	456939	NUT, 7/16"-20 HEX. (12.9120)								2		2	2	
	103030	NUT, 5/8"-18 HEX. (12.9120)		2										
		7.1440 - FAN, GENERATOR												
10A	**1910089**	* FAN		1										
10A	**1852643**	* FAN AND BAFFLE				1		1		1		1		
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)		1										
	113904	SCREW, #12-24X7/16" (12.9025)				4		4		4		4		
	180016	BOLT, 1/4"-20X2" (12.9001)		4										
	120380	LOCKWASHER, 1/4" (12.9200)		4										
	106498	LOCKWASHER, #12 (12.9200)				4		4		4		4		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 824	833	837	853	855	864	873	874	883	884	888	889
		7.1500 - PULLEY, GENERATOR												
10A	5133559	PULLEY (3 1/4" DIA., 1 GROOVE)	1				1							1
10A	5168777	PULLEY (4 3/4" DIA., 2 GROOVES)		1										
10A	5133561	PULLEY (3 1/4" DIA., 1 GROOVE)			1									
10A	5108701	PULLEY (3 1/4" DIA., 1 GROOVE)				1		1		1		1	1	
10A	5132527	PULLEY (2 11/16" DIA., 2 GROOVES) (1.7605)							1					
10A	5162753	# PULLEY (2 11/16" DIA., 2 GROOVES)									1			
		# NO LONGER AVAILABLE FOR SERVICE.												
		7.1505 - PULLEY, GENERATOR DRIVE												
1C,D	5129950	PULLEY (6 1/2" DIA., 1 GROOVE)	1				1							1
1C,D	5168696	PULLEY (5 1/2" DIA., 2 GROOVES) (1.7605)		1										
1E	5122267	PULLEY (5" DIA., 1 GROOVE) (1.7605)			1			1		1		1	1	
1C,D	5145905	PULLEY (6.29" DIA., 2 GROOVES)							1					
1C,D	5162754	# PULLEY (6 1/4" DIA., 2 GROOVES)									1			
1C,D	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)	1	1			1							1
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)			1			1		1		1	1	
1E	180121	BOLT, 3/8"-16X7/8" (12.9001)			1			1		1		1	1	
1E	5150230	WASHER (3/8" FLAT) (3.4120)			1			1		1		1	1	
1E	103321	LOCKWASHER, 3/8" (12.9200)			AR			AR		AR		AR	AR	
1C,D	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)	1	1			1							1
		# NO LONGER AVAILABLE FOR SERVICE.												
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
1C	5122876	SHAFT (1.7640)	1				1							1
1C	5168697	@ SHAFT (1.7640)		1										
1E	5117920	HUB (1.7640)			1			1		1		1	1	
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)			3			3		3		3	3	
1E	103320	LOCKWASHER, 5/16" (12.9200)			AR			AR		AR		AR	AR	
		@ NOT SERVICED; USE 5122876 PLUS 1-5131627 PLATE.												
		7.1515 - SEAL, GENERATOR DRIVE OIL												
1C	5131329	SEAL (1.7660)	1	1			1							1
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
		A RETAINER ASSY. INCLUDES ITEMS IN 7.1515, 7.1535 AND 5.1545.												
1C	5123116	+ RETAINER ASSY. (1.7645)	1	1			1							1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 824	833	837	853	855	864	873	874	883	884	888	889
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL (CONT'D)												
1C	179858	BOLT, 7/16"-14X1" (12.9001)	1	1			1							1
1C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4	4			4							4
1C	5150568	WASHER, COPPER (2.4050)	1	1			1							1
1C	103322	LOCKWASHER, 7/16" (12.9200)	1	1			1							1
1C	103323	LOCKWASHER, 1/2" (12.9200)	4	4			4							4
		+ NOT SERVICED, USE 5131130 SHAFT & 1-5131402 RETAINER ASSY.												
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
1C	5117061	GASKET (1.5040)	1	1			1							1
		7.1535 - BEARING, GENERATOR DRIVE												
1C	954469	+ BEARING (1.7655)	1	1			1							1
		+ OBSOLETE.												
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING												
1C	5155783	LOCKRING (2 9/16" DIA.) (1.7650)	1	1			1							1
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING												
1C	2136944	PLATE (12.4037)	1				1							1
1C	5153499	@ PLATE (1.7630)		1										
1C	5177026	SPACER (1.7630)		1										
1C	5145091	BOLT (3/8"-24X1 5/16") (12.9001)	4				4							4
1C	5176474	BOLT (3/8"-24X1 3/8") (1.7630)		4										
		@ NOT SERVICED USE 5131627 PLUS (1) 5143616 COUPLING.												
		7.1575 - BELT, GENERATOR DRIVE												
		MS. INDICATES "MILITARY STANDARD."												
10A	9433888	BELT (41.50"L,	1				1							1
10A	5117638	BELT SET (2 BELTS) (30.88"L., W.)		1										
10A	5133519	BELT (42.00" L,				1								
10A	5140928	BELT (40" L,						1						
10A	5132591	BELT SET (2 BELTS) (45.72" L., W.)							1					
10A	5133516	BELT (38.00"L,.500"W.)			1					1		1	1	
10A	5162760	BELT (45.50"L, 15/16"W.)									1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8244	8333	8337	8533	8555	8664	8733	8744	8833	8844	8889	8889
		7.1580 - STRAP, GENERATOR ADJUSTING												
10A	**5111421**	STRAP	1				1							1
10A	**5117685**	STRAP		1										
10A	**5131768**	STRAP			1									
10B	**5128884**	STRAP				1								
10A	**5121069**	STRAP						1						
10A	**5128546**	STRAP							1		1			
10A	**5133284**	STRAP								1		1	1	
	179837	BOLT, 3/8"-16X3/4" (12.9001)									1			
	179838	BOLT, 3/8"-16X7/8" (12.9001)			1			1	1	1		1	1	
	179839	BOLT, 3/8"-16X1" (12.9001)	1				1							1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1								
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)		1										
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			2					2		2	2	
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)				1								
	181360	BOLT, 3/8"-24X3/4" (12.9001)						1						
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)	1				1							1
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		1										
	103341	WASHER, 3/8" FLAT (12.9190)	AR		AR		AR		AR	AR	AR	AR	AR	AR
	103342	WASHER, 7/16" FLAT (12.9190)		1										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	178571	LOCKWASHER, 7/16" (12.9200)		1										
	117049	NUT, 3/8"-24 HEX. (12.9120)		1										
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164294	SPACER (13/32"X7/8"X1/8")		1		1								
	5196119	*SPACER (13/32"X7/8"X3/8") (3.4001)*				1								
		7.1582 - BRACKET, GENERATOR ADJUSTING												
	5168752	BRACKET		1										
	5133283	BRACKET			1			1						
	181361	BOLT, 3/8"-24X7/8" (12.9001)			1									
	186627	BOLT, 3/8"-24X1" (12.9001)		2										
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR									
	117049	NUT, 3/8"-24 HEX. (12.9120)			1									
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
#	**5135623**	GUARD (WITH 2-5135458 BRACKETS)	1				1							1
#	**5117640**	GUARD		1										
#	**5182577**	GUARD		1										
#	**5128544**	GUARD							1		1			
	113959	BOLT, 1/4"-20X1" (12.9001)		1										
	120628	BOLT, 1/4"-28X1/2" (12.9001)	3				3		3		3			3

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8244	8233	8337	8535	8553	8644	8733	8744	8833	8844	8888	8899
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY (CONT'D)												
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)		3										
	120392	WASHER, 1/4" FLAT (12.9190)	3			3			3		3			3
	103321	LOCKWASHER, 3/8" (12.9200)		3										
	3844999	NUT, RETAINING (1/4"-28)	3			3			3		3			3
	120376	NUT, 1/4"-20 HEX. (12.9120) # FIG. 10A OF 5.0000.		1										
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5135458	BRACKET (WITH 5135623 GUARD)	2			2								2
	5121435	BRACKET	3			3								3
	5128536	BRACKET (RIGHT ANGLE, 1.18"X1.12")							1		1			
	5128537	BRACKET (RIGHT ANGLE, 1.62"X1.50")							1		1			
	5128538	BRACKET (RIGHT ANGLE, 2.20"X.92")							1		1			
	179837	BOLT, 3/8"-16X3/4" (12.9001)									1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	1			1								1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)									1			
	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)							1					
	181361	BOLT, 3/8"-24X7/8" (12.9001)				1			1					1
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)	1			1								1
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)							1		1			
	103343	WASHER, 1/2" FLAT (12.9190)							AR		AR			
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR			AR		AR			AR
	103323	LOCKWASHER, 1/2" (12.9200)							AR		AR			
	117049	NUT, 3/8"-24 HEX. (12.9120)	1			1								1
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5189440	SPACER (3/4"X15/32") (2.8756)	1											
	5113924	SPACER (12.6670)		3										
	5164789	SPACER (7/8"X13/32"X3/8") (5.4025)							1		1			
		7.1595 - BRACKET, GENERATOR MOUNTING												
	5129909	BRACKET (REAR)	1			1								1
	5129910	BRACKET (FRONT)	1			1								1
	5127305	* BRACKET ASSY. (INCLUDES TUBE)			1									
	5131801	@ BRACKET ASSY. (INCLUDES TUBE) (FRONT)			1					1		1	1	
	5130042	# BRACKET (REAR)			1					1		1	1	
	5128885	BRACKET				1								
	5124373	BRACKET ASSY.						1						
	5128547	BRACKET							1		1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8244	8333	8337	8533	8555	8644	8733	8744	8833	8844	8888	8889
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	5125820 *	BRACKET								1		1	1	
	5117639	SUPPORT		1										
	5124331	TUBE			1									
	444867	PLUG, 3/8" ALLEN HD. (12.9550)							1		1			
	186630	BOLT, 1/4"-20X5/8" (12.9001)			2									
	186647	BOLT, 1/4"-20X1" (12.9001)			2			2		2		2	2	
	179839	BOLT, 3/8"-16X1" (12.9001)			4			2		4		4	4	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2				4		4			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2								
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			1									
	106288	BOLT, 3/8"-24X2 1/4" (12.9001)			1									
	181381	BOLT, 3/8"-24X2 1/2" (12.9001)			1									
	5131478	BOLT (3/8"-24X5 3/8")	2				2							2
	179860	BOLT, 7/16"-14X1 1/4" (12.9001)						1						
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)				2								
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)								1		1	1	
	181675	BOLT, 7/16"-20X2 1/2" (12.9001)								1		1	1	
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)		2										
	103341	WASHER, 3/8" FLAT (12.9190)			4					4		4	4	
	120380	LOCKWASHER, 1/4" (12.9200)			AR			AR		AR		AR	AR	
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)				AR		AR		AR		AR	AR	
	103325	LOCKWASHER, 5/8" (12.9200)		AR										
	117049	NUT, 3/8"-24 HEX. (12.9120)			AR		AR							AR
	456939	NUT, 7/16"-20 HEX. (12.9120)								AR		AR	AR	
		* THRU 6VA-20625, 8VA-11015, 12VA-3240, NOT SERVICED, REPLACE WITH ITEMS MARKED "@"												
		@ EFFECTIVE WITH 6VA-20626, 8VA-11016, 12VA-3241,												
		#EFFECTIVE WITH 6VA-20626, 8VA-11016, 12VA-3241.												
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET			1			1		1		1	1	
	5117734	GASKET							1		1			
		7.1598 - SPACER,GENERATOR AND MOUNTING BRACKET												
	5160629	SPACER (4.2270)	2				2							2
	5164789	SPACER (13X32 X7/8 X3/8) (5.4025)				2								
	5164294	SPACER (13/32 X7/8 X1/8) (7.1581)				2								

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 824	833	837	853	855	864	873	874	883	884	888	889
		7.1605 - REGULATOR ASSY., VOLTAGE												
@	9000590 *	REGULATOR (12V., NEGATIVE GROUND)			1	1								
@	9000552 *	REGULATOR (12V., TRANSISTOR TYPE, NEGATIVE GROUND)			1									
@	9000553 *	REGULATOR (12V., NEGATIVE GROUND) REGULATOR (12V., NEGATIVE GROUND)				1								
@	1119638 *	REGULATOR (12V., NEGATIVE GROUND)											1	
@	9000555 *	REGULATOR (24V., NEGATIVE GROUND)							1					1
@	1119185 *	REGULATOR (24., NEGATIVE GROUND)								1				
•	9000591 *	REGULATOR (24., NEGATIVE GROUND)							1					1
@	9000557 *	REGULATOR (32V., TRANSISTOR TYPE, NEGATIVE GROUND, FOR 16 CELLBATTERY)	1				1				1			
		# REGULATOR (32V., FOR 16 CELL BATTERY)												
•	1118586 *	REGULATOR (32V., POSITIVE GROUND)		1										
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)								4				
	120380	LOCKWASHER, 1/4" (12.9200) FIG. 10B OF 8.0000								4				
		+ EFFECTIVE WITH 6VA-23571, 8VA-12851; TYPES 837, 897, 919, 923, 937 REQUIRE 1-1116895 RELAY.												
		& THRU 6VA-23570, 8VA-12850; NOT SERVICED, REPLACE WITH ITEMS MARKED "+" IN 7.1605, 7.1630.												
		% THRU 8VA-13577, 16VA-654; NOT SERVICED, REPLACE WITH ITEMS MARKED "=" IN 7.1605, 7.1630.												
		= EFFECTIVE WITH 8VA-13578, 16VA-654.												
		? THRU 8VA-13299, 16VA-460; NOT SERVICED, REPLACE WITH ITEMS MARKED "#" IN 7.1605, 7.1630.												
		# EFFECTIVE WITH 8VA-13300, 16VA-461.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841 *	RELAY, 12V.			1	1			1					1
	1115842 *	RELAY, 24V.												
	1115843 *	RELAY, 32V.	1				1				1			
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5185708	PLATE								1				
	5164789	SPACER, 13/32"X7/8" (5.4025)								2				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)								2				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 824	833	837	853	855	864	873	874	883	884	888	889
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING (CONT'D)												
	103341	WASHER, 3/8" FLAT (12.9190)								2				
	103321	LOCKWASHER, 3/8" (12.9200)								2				
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	5173127	MOUNTING ASSY. (SPRING)		4										
	1910966 *	MOUNTING ASSY. (SHOCK)				1				1				
	5185558	STRAP, GROUND (7.7110)	1											
	120393	WASHER, 5/16" FLAT (12.9190)		4										
	120214	LOCKWASHER, 5/16" (12.9200)		4										
	123197	NUT, 5/16"-18 HEX. (12.9120)		4										
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985054 +	CABLE ASSY. (12V.)			1	1								
	2985057 =	CABLE ASSY. (24V.)							1					1
	2985055 #	CABLE ASSY. (32V.)	1				1				1			

\+ EFFECTIVE WITH 6VA-23571, 8VA-12851; TYPES 837, 897, 919, 923, 927 REQUIRE 1-1116895 RELAY.
= EFFECTIVE WITH 8VA-13578, 16VA-654.
\# EFFECTIVE WITH 8VA-13300, 16VA-461.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 897	900	903	916	919	920	921	923	925	937	941
		7.1001 - GENERATOR ASSY.											
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.											
	NPN	GENERATOR (CUSTOMER FURNISHED)						1	1		1		
10B	1117077	* GENERATOR (12V., 60 AMP., C.C.W., AC)	1				1			1		1	
10B	1102288	* GENERATOR (12V., 25 AMP., C.C.W.)		1									1
10B	1117078	@ GENERATOR (12V., 60 AMP., C.W., AC)			1								
10B	1117478	* GENERATOR (24V., 40 AMP., C.W., GRD.)				1							
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)		2									2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2				2			2		2	
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)									1		
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)									1		
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)			1								
	100042	BOLT, 7/16"-20X2" (12.9001)			1								
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)				2							
	103341	WASHER, 3/8" FLAT (12.9190)			2								
	103320	LOCKWASHER, 5/16" (12.9200)		2									2
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR		AR			AR	AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)			AR								
	178591	LOCKWASHER, 1/2" (12.9200)				2							
	114493	NUT, 5/16"-24 HEX. (12.9120)		2									2
	117049	NUT, 3/8"-24 HEX. (12.9120)									2		
	456939	NUT, 7/16"-20 HEX. (12.9120)			2								
	103028	NUT, 1/2"-20 HEX. (12.9120)				2							
		@ OBSOLETE											
		7.1440 - FAN, GENERATOR											
	1866400	* FAN		1									1
	1960460	* @ FAN AND PULLEY ASSY.				1							
10A	1949548	* FAN AND BAFFLE			1								
10A	1943585	* FAN AND BAFFLE				1							
	132971	SCREW, #12-24X3/8" (12.9025)			4	4							
	106498	LOCKWASHER, #12 (12.9200)			4								
	118874	LOCKWASHER, #12 (12.9200)				4							
		@ INCLUDES 1943585 FAN AND BAFFLE IN 7.1440.											
		7.1470 - BAFFLE, GENERATOR FAN											
	1877887	* BAFFLE		1									1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 897	900	903	916	919	920	921	923	925	937	941
		7.1500 - PULLEY, GENERATOR											
10A	5133559	PULLEY (3 1/4" DIA., 1 GROOVE)		1									1
10A	5108701	PULLEY (3 1/4" DIA., 1 GROOVE)			1			1					
10A	5132527	PULLEY (2 11/16" DIA., 2 GROOVES) (1.7605)	1				1		1	1		1	
10A	5133560	PULLEY (3.24" DIA., 1 GROOVE)							1		1		
		7.1505 - PULLEY, GENERATOR DRIVE											
1C,D	5129950	PULLEY (6 1/2" DIA., 1 GROOVE) (SD-162)									1		
1E	5122267	PULLEY (5" DIA., 1 GROOVE) (1.7605)			1			1					
1C,D	5145905	PULLEY (6.29" DIA., 2 GROOVES)	1				1			1			
1C,D	5130019	PULLEY (5" DIA., 1 GROOVE)							1				
	5132667	PULLEY (6.29" DIA., 2 GROOVES)										1	
1C,D	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)							1		1		
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)			1			1					
1E	180121	BOLT, 3/8"-16X7/8" (12.9001)			1			1					
1E	5150230	WASHER, (3/8" FLAT) (3.4120)			1			1					
1E	103321	LOCKWASHER, 3/8" (12.9200)			AR			AR					
1C,D	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)							1		1		
		7.1510 - HUB, GENERATOR DRIVE PULLEY											
1C	5122876	SHAFT (1.7640)							1		1		
1E	5117920	HUB (1.7640)			1			1					
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)			3			3					
1E	103320	LOCKWASHER, 5/16" (12.9200)			AR			AR					
		7.1515 - SEAL, GENERATOR DRIVE OIL											
1C	5131329	SEAL (1.7660)							1		1		
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL											
		A RETAINER ASSY. INCLUDES ITEMS IN 7.1515, 7.1535 AND 5.1545.											
1C	5123116	+ RETAINER ASSY. (1.7645)							1		1		
1C	179858	BOLT, 7/16"-14X1" (12.9001)							1		1		
1C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)							4		4		
1C	5150568	WASHER, COPPER (2.4050)							1		1		
1C	103322	LOCKWASHER, 7/16" (12.9200)							1		1		
1C	103323	LOCKWASHER, 1/2" (12.9200)							4		4		

+ NOT SERVICED; USE 5131130 SHAFT & 1-5131402 RETAINER ASSY.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8971	9000	9033	9116	9119	9220	9221	9233	9255	9337	9411
		7.1535 - BEARING, GENERATOR DRIVE											
1C	954469	+ BEARING (1.7655)							1		1		
		+ OBSOLETE.											
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
1C	5155783	LOCKRING (2 9/16" DIA.) (1.7650)							1		1		
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING											
1C	2136944	PLATE (12.4037)							1		1		
1C	5145091	BOLT (3/8"-24X1 5/16") (12.9001)							4		4		
		7.1575 - BELT, GENERATOR DRIVE											
		MS. INDICATES "MILITARY STANDARD."											
10A	9433888	BELT (41.50"L,									1		
10A	5132591	BELT SET (2 BELTS) (45.72" L., W.)	1				1			1		1	
10A	5133516	BELT (38.00"L,		1	1			1					
10A	5109286	BELT (42" L,				1							
10A	5133517	BELT (39.00" L,							1				1
		7.1580 - STRAP, GENERATOR ADJUSTING											
10A	5111421	STRAP									1		
10A	5189076	STRAP			1								
10B	5128884	STRAP				1							
10A	5128546	STRAP	1				1			1		1	
10A	5133284	STRAP						1					
10A	5126265	STRAP		1									1
10A	5121962	STRAP							1				
	179816	BOLT, 5/16"-18X3/4" (12.9001)											1
	9415204	BOLT, 5/16"-18X1 1/4"		1									
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1				1			1		1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)			1			1					
	179839	BOLT, 3/8"-16X1" (12.9001)				1							
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					1						
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			2			2					
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)				1							
	179858	BOLT, 7/16"-14X1" (12.9001)							1				
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)					1						
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)		1									1
	120393	WASHER, 5/16" (12.9190)		1									1
	103341	WASHER, 3/8" FLAT (12.9190)	1		1		1	1		1		1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 897	900	903	916	919	920	921	923	925	937	941
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)											
	120396	WASHER, 1/2" FLAT (12.9190)		1									
	103343	WASHER, 1/2" FLAT (12.9190)					1						
	103320	LOCKWASHER, 5/16" (12.9200)		1									1
	103321	LOCKWASHER, 3/8" (12.9200)	1		2		2	2		1		1	
	178551	LOCKWASHER, 3/8" (12.9200)				2							
	103322	LOCKWASHER, 7/16" (12.9200)							1				
	103323	LOCKWASHER, 1/2" (12.9200)		1			1						1
	120376	NUT, 5/16"-18 HEX. (12.9120)		1									
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP											
	5164294	SPACER (13/32"X7/8"X1/8")				1							
	5115323	SPACER (2.9010)		1									1
		7.1582 - BRACKET, GENERATOR ADJUSTING											
	5133283	BRACKET	-										
	181361	BOLT, 3/8"-24X7/8" (12.9001)			1								
	103321	LOCKWASHER, 3/8" (12.9200)			1								
	117049	NUT, 3/8"-24 HEX. (12.9120)			AR								
					1								
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
#	5128544	GUARD	1							1		1	
#	5126797	GUARD		1									
#	5126796	GUARD				1							
	5126906	GUARD											1
	120628	BOLT, 1/4"-28X1/2" (12.9001)	3							3		3	
	120392	WASHER, 1/4" FLAT (12.9190)	3							3		3	
	3844999	NUT, RETAINING (1/4"-28)	3							3		3	
		# FIG. 10A OF 5.0000.											
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5128536	BRACKET (RIGHT ANGLE, 1.18"X1.12")	1							1		1	
	5128537	BRACKET (RIGHT ANGLE, 1.62"X1.50")	1							1		1	
	5128538	BRACKET (RIGHT ANGLE, 2.20"X.92")	1							1		1	
	5123738	BRACKET											1
	5144708	BRACKET											1
	186647	BOLT, 1/4"-20X1" (12.9001)											1
	100005	BOLT, 1/4"-28X1 3/4" (12.9001)											1
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1							1		1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 897	900	903	916	919	920	921	923	925	937	941
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)											
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	1							1			
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)										1	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)											1
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	1							1		1	
	120392	WASHER, 1/4" FLAT (12.9190)											1
	103341	WASHER, 3/8" FLAT (12.9190)											1
	103343	WASHER, 1/2" FLAT (12.9190)	AR							AR		AR	
	120380	LOCKWASHER, 1/4" (12.9200)											AR
	103321	LOCKWASHER, 3/8" (12.9200)	AR							AR		AR	
	103323	LOCKWASHER, 1/2" (12.9200)	AR							AR		AR	
	120376	NUT, 1/4"-20 HEX. (12.9120)											1
	121902	NUT, 1/4"-28 HEX. (12.9120)											1
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5164789	SPACER (7/8"X13/32"X3/8") (5.4025)								1		1	
	5167319	SPACER, 15/32"X7/8" (5.4600)											1
	5182645	SPACER (1/4" PIPE X7/8" L.) (4.8040)											1
		7.1595 - BRACKET, GENERATOR MOUNTING											
	5131801	& BRACKET ASSY. (INCLUDES TUBE) (FRONT)			1			1					
	5130042	& BRACKET (REAR)			1			1					
	5130538	BRACKET					1					1	
	5128547	BRACKET	1										
	5125820	@ BRACKET						1					1
	5126281	BRACKET		1									
	5109058	@ BRACKET			1								
	5130040	BRACKET				1							
	5130015	BRACKET (REAR)							1				
	5130014	BRACKET (FRONT)							1				
	5130538	BRACKET								1			
	5100300	BRACKET (FRONT)									1		
	5130578	BRACKET (REAR)									1		
	5160629	SPACER (4.2270)							2		2		
	444867	PLUG, 3/8" ALLEN HD. (12.9550)	1				1						
	186630	BOLT, 1/4"-20X5/8" (12.9001)			2								
	186647	BOLT, 1/4"-20X1" (12.9001)			2			2					
	179838	BOLT, 3/8"-16X7/8" (12.9001)		4			4					4	4
	179839	BOLT, 3/8"-16X1" (12.9001)			4	2		6					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4							4			
	106288	BOLT, 3/8"-24X2 1/4" (12.9001)			1								
	181381	BOLT, 3/8"-24X2 1/2" (12.9001)			1								
	5131478	BOLT (3/8"-24X5 3/8")							1		2		
	179858	BOLT, 7/16"-14X1" (12.9001)				1							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 897	900	903	916	919	920	921	923	925	937	941
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)											
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						2					1
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)						1					
	181675	BOLT, 7/16"-20X2 1/2" (12.9001)						1					
	120392	WASHER, 1/4" FLAT CAD. (12.9190)						2					
	103341	WASHER, 3/8" FLAT (12.9190)		4	4			4					
	120380	LOCKWASHER, 1/4" (12.9200)						AR					
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR	AR		AR		AR	AR
	178551	LOCKWASHER, 3/8" (12.9200)				2							
	103322	LOCKWASHER, 7/16" (12.9200)											AR
	178571	LOCKWASHER, 7/16" INT., EXT. (12.9215)				1							
	117049	NUT, 3/8"-24 HEX. (12.9120)			2						2		
	456939	NUT, 7/16"-20 HEX. (12.9120)			2			2					
		& EFFECTIVE WITH 6VA-20626, 8VA-11016, 12VA-3241.											
		# NOT SERVICED, REPLACE WITH (1) 5135411 BRACKET ASSY. (FRONT), (1) 5134833 BRACKET (REAR) AND (2) 5164294 SPACER.											
		@ THRU 6VA-20625, 8VA-11015, 12VA-3240; NOT SERVICED, REPLACE WITH ITEMS MARKED "&".											
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET											
	5122266	GASKET			1			1					
	5117734	GASKET	1	1		1				1		1	
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET											
	5164789	SPACER (13/32"X7/8"X3/8") (5.4025)	2										
		7.1605 - *REGULATOR ASSY., VOLTAGE*											
#	9000590 *	+ REGULATOR (12V., NEGATIVE GROUND)	1		1		1			1		1	
#	9000552 *	& REGULATOR (12V., TRANSISTOR TYPE, NEGATIVE GROUND)	1				1			1		1	
#	9000553 *	& REGULATOR (12V., NEGATIVE GROUND)			1								
#	1119292 *	REGULATOR (12V., NEGATIVE GROUND)		1									
#	1118881 *	REGULATOR (12V., NEGATIVE GROUND)						1					
#	1118955 *	REGULATOR (12V., POSITIVE GROUND)											1
#	1118558 *	REGULATOR (24V., NEGATIVE GROUND)				1							
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)		4									4

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 897	900	903	918	919	920	921	923	925	937	941
		7.1605 - REGULATOR ASSY., VOLTAGE (CONT'D)											
	120380	LOCKWASHER, 1/4" (12.9200)		4									4
	174916	LOCKWASHER, 1/4" INT., EXT. (12.9215)				8							
		# FIG. 10B OF 8.0000.											
		+ EFFECTIVE WITH 6VA-23571, 8VA-12851; TYPES 837, 897, 919, 923, 937 REQUIRE 1-1116895 RELAY.											
		& THRU 6VA-23570, 8VA-12850; NOT SERVICED, REPLACE WITH ITEMS MARKED "+" IN 7.1605, 7.1630.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115841 *	RELAY, 12V.	1		1		1			1		1	
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING											
	5185708	PLATE		1									1
	5185178	PLATE				1							
	179837	BOLT, 3/8"-16X7/8" (12.9001)		2		2							2
	103341	WASHER, 3/8" FLAT (12.9190)		2		2							2
	103321	LOCKWASHER, 3/8" (12.9200)		2									2
	178551	LOCKWASHER, 3/8" (12.9200)				2							
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966 *	MOUNTING ASSY. (SHOCK)		1									
	5179976	SPRING ASSY.				1							
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR											
	2985054 +	CABLE ASSY. (12V.)	1		1		1			1		1	
		+ EFFECTIVE WITH 6VA-23571, 8VA-12851; TYPES 837, 897, 919, 923, 927 REQUIRE 1-1116895 RELAY.											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9511	9512	9688	9689	9734	9881	9882	9884	9885	9891	9892	9894
		7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)			1								1	
10B	1102287	* GENERATOR (12V., 25 AMP., C.W., GRD.)										1		
10B	1106825	* GENERATOR (12V., 50 AMP., C.C.W., INSL.)	1											
10B	1106822	* GENERATOR (12V., 50 AMP., C.W., GRD.)		1										
10B	1117403	* GENERATOR (12V., 80 AMP., C.W., GRD.)				1								
10B	1117128	* GENERATOR (12V., 105 AMP., C.W., AC)												1
10B	1117075	* GENERATOR (24V., 60 AMP., C.C.W., AC)					1			1				
10B	1117072	* GENERATOR (24V., 60 AMP., C.W., AC)									1			
10B	1117076	* GENERATOR (32V., 60 AMP., C.C.W., AC)						1						
10B	1117074	* GENERATOR (32V., 60 AMP., C.W., AC)							1					
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)						1	1	1	1			
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)					1							
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)						1	1	1	1			
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)					1					1		
	100030	BOLT, 3/8"-24X2" (12.9001)										1		
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)	2											
	181672	BOLT, 7/16"-20X1 3/4" (12.9001)		1										
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)		1										
	103321	LOCKWASHER, 3/8" (12.9200)					2	2	2	2	2	2		
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR										
	117049	NUT, 3/8"-24 HEX. (12.9120)					2				2			
	271506	NUT, 7/16"-20 HEX. (12.9120)	2											
	456939	NUT, 7/16"-20 HEX. (12.9120)		2										
		7.1440 - FAN, GENERATOR												
	1866400	* FAN										1		
10A	1852643	* FAN AND BAFFLE	1	1										1
	132971	SCREW, #12-24X3/8" (12.9025)		4										4
	113904	SCREW, #12-24X7/16" (12.9025)	4											
	106498	LOCKWASHER, #12 (12.9200)	4	4										4
		7.1500 - PULLEY, GENERATOR												
10A	5133560	PULLEY (3.24" DIA., 1 GROOVE)	1											
10A	5108701	PULLEY (3.25" DIA., 2 GROOVE)		1	1								1	
10A	5133559	PULLEY (3.25" DIA., 1 GROOVE)					1							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 951	952	968	969	974	981	982	984	985	991	992	994
		7.1500 - PULLEY, GENERATOR (CONT'D)												
10A	5132527	PULLEY (2.76" DIA., 2 GROOVE)						1	1	1	1			
10A	5133561	PULLEY (3.25" DIA., 1 GROOVE)										1		
10A	5133563	PULLEY (2.76" DIA., 2 GROOVE)												1
		7.1505 - PULLEY, GENERATOR DRIVE												
1D	5130019	PULLEY (5" DIA., 1 GROOVE)	1		1									
1D	5100268	PULLEY (5.25" DIA., 1 GROOVE)					1							
1E	5130859	PULLEY (9" DIA., 2 GROOVE) (SD-52)						1	1	1	1			
1E	5122267	PULLEY (5" DIA., 1 GROOVE) (1.7605)										1		
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)										1		
1D	124548	KEY, 5/32"X3/4" WOODRUFF (12.9350)					1							
1C,D	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)	1		1			3	3	3	3			
1E	186629	BOLT, 5/16"-18X1" (12.9001)										1		
1E	180121	BOLT, 3/8"-16X7/8" (12.9001)										1		
1E	5150230	WASHER (3/8"X1 3/16" FLAT) (3.4120)						3	3	3	3			
1E	103320	LOCKWASHER, 5/16" (12.9200)										1		
1E	103321	LOCKWASHER, 3/8" (12.9200)												
1C,D	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)	1		1									
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
1D	5164286	HUB (1.7610)					1							
[illegible]	5117920	HUB (1.7640)										1		
[illegible]	5122876	SHAFT (1.7640)	1		1									
1D	5176474	BOLT (1.7630)					4							
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)										3		
1E	103320	LOCKWASHER, 5/16" (12.9200)										3		
		7.1515 - SEAL, GENERATOR DRIVE OIL												
1C	5131329	SEAL (1.7660)	1		1									
1C	5102546	SEAL (1.7620)					1							
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
1C	5123116 +	RETAINER ASSY. (1.7645)	1		1									
1D	5102565 #	RETAINER ASSY.					1							
1C,D	179858	BOLT, 7/16"-14X1" (12.9001)			1		1							
1C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4		4		4							
1C	5150568	WASHER, COPPER (2.4050)			1									
1D	5164292	WASHER, 1 1/2"X7/16"X5/32"					1							
1C,D	103322	LOCKWASHER, 7/16" (12.9200)	1		1		1							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 951	952	968	969	974	981	982	984	985	991	992	994
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL (CONT'D)												
1C	**103323**	LOCKWASHER, 1/2" (12.9200)			4		4							
		+ NOT SERVICED; USE 5131130 SHAFT & 1-5131402 RETAINER ASSY.												
		# INCLUDES SEAL IN 7.1515.												
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
1C,D	**5117061**	GASKET (1.5040)	1		1		1							
		7.1535 - BEARING, GENERATOR DRIVE												
1C	**954469**	+ BEARING (N.D. 3203L1A) (2.7470)	1		1									
		+ OBSOLETE.												
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING												
1C	**5155783**	LOCKRING (2 9/16" DIA.) (1.7650)	1		1									
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING												
1C	**2136944**	PLATE (12.4037)	1		1									
1C	**5145091**	BOLT, 3/8"-24X1 3/8" (12.5015)	4		4									
		7.1575 - BELT, GENERATOR DRIVE												
		P. INDICATES "PREMIUM".												
10A	**5133517**	BELT (39.00" L.)	1											
10A	**9433877**	BELT (36.00"L.)										1		
10A	**5133176**	BELT SET (2 BELTS) (38.00"L., .380"W.)												1
10A	**5130943**	# BELT SET (2 BELTS) (49.00"L., .380"W.)						1	1	1	1			
		# NOT SERVICED, REPLACE WITH 5133445 BELT SET.												
		7.1580 - STRAP, GENERATOR ADJUSTING												
	NPN	STRAP (CUSTOMER FURNISHED)			1	1								
10A	**5116686**	STRAP	1											
10A	**5130734**	STRAP		1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 951	952	968	969	974	981	982	984	985	991	992	994
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
10A	5188793	STRAP					1							
10A	5100344	STRAP						1	1	1	1			
10A	5127005	+ STRAP										1		
10A	5130655	STRAP											1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)						1	1	1	1	1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1											
	179839	BOLT, 3/8"-16X1" (12.9001)	1	1			1							
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)						1	1	1	1			
	181361	BOLT, 3/8"-24X7/8" (12.9001)										1		
	186314	BOLT, 3/8"-24X3 7/8" (12.9001)					1							
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)										1		
	120393	WASHER, 5/16" FLAT (12.9190)										1		
	103341	WASHER, 3/8" FLAT (12.9190)	1	1			1	1	1	1	1			
	103343	WASHER, 1/2" (12.9190)										1		
	103320	LOCKWASHER, 5/16" (12.9200)										AR		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR			AR	AR	AR	AR	AR			
	103323	LOCKWASHER, 1/2" (12.9200)										1		
	117049	NUT, 3/8"-24 HEX. (12.9120)										1		
		+ OBSOLETE.												
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164294	SPACER (13/32"X7/8"X1/8")	1											
	5159347	SPACER (3/4"X1/2") (7.1581)						1	1	1	1			
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5133283	BRACKET										1		
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)										2		
	103321	LOCKWASHER, 3/8" (12.9200)										2		
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5129317	# * GUARD						1	1	1	1			
	186659	BOLT, 1/2"-13X3 3/4" (12.9001)						2	2	2				
	451699	BOLT, 1/2"-13X6 1/4" (12.9001)									2			
	103323	LOCKWASHER, 1/2" (12.9200)						2	2	2	2			
		# FIG. 10A OF 5.0000.												
		* OBSOLETE.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5131202	* BRACKET						1	1	1	1			
	5131201	BRACKET						2	2	2	2			
	5108612	BRACKET							2		2			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 951	952	968	969	974	981	982	984	985	991	992	994
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD(CONT'D)												
	181333	BOLT, 5/16"-24X5/8" (12.9001)						3	3	3	3			
	103320	LOCKWASHER, 5/16" (12.9200)						3	3	3	3			
	114493	NUT, 5/16"-24 HEX. (12.9120)						3	3	3				
		* OBSOLETE												
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5182452	SPACER (33/64"X7/8"X1 1/16")						2		2				
	5131852	SPACER (1/2"X3 1/2")							2		2			
		7.1595 - BRACKET, GENERATOR MOUNTING												
	NPN	BRACKET (CUSTOMER FURNISHED)			1	1								
	5130014	BRACKET (FRONT)	1											
	5130015	BRACKET (REAR)	1											
	5130736 +	BRACKET (FRONT)		1									1	
	5130852 +	BRACKET (REAR)		1									1	
	5100300	BRACKET (FRONT)					1							
	5100299	BRACKET (REAR)					1							
	5130858	BRACKET						1	1	1	1			
	5131801 #	BRACKET (FRONT)										1		
	5130042	BRACKET (REAR)										1		
	5160629	SPACER (13/32"X7/32") (4.2270)	2				2							
	180021	BOLT, 1/4"-20X7/8" (12.9001)		2									2	
	186647	BOLT, 1/4"-20X1" (12.9001)										2		
	179839	BOLT, 3/8"-16X1" (12.9001)		2				3	3	3	3	4	2	
	5131478	BOLT (3/8"-24X6") (12.4001)	1				2							
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		2									2	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)										1		
	120392	WASHER, 1/4" FLAT (12.9190)										2		
	5179709	WASHER, 1/4" (COPPER)											2	
	120380	LOCKWASHER, 1/4" (12.9200)		AR								2	2	
	103321	LOCKWASHER, 3/8" (12.9200)	1	2				3	3	3	3	4		
	103322	LOCKWASHER, 7/16" (12.9200)		2								1	2	
	117049	NUT, 3/8"-24 HEX. (12.9120)	1				2							

\+ NOT SERVICED, REPLACE BY (1) 5145144 BRACKET (REAR), (1) 5145154 BRACKET (FRONT) AND INCLUDE 1-451925 BOLT.

\# NOT SERVICED, REPLACE WITH (1) 5135411 BRACKET ASSY. (FRONT), (1) 5134833 BRACKET (REAR) AND (2) 5164294 SPACERS.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 951	952	968	969	974	981	982	984	985	991	992	994
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET		1								1	1	
		7.1605 - REGULATOR ASSY., VOLTAGE												
	NPN	REGULATOR (CUSTOMER FURNISHED)			1									
	1119156	* REGULATOR (12V., 50 AMP., NEGATIVE GRD.)	1											
	1118881	* REGULATOR (12V., 50 AMP., NEGATIVE GRD.)		1										
	1118583	* REGULATOR (12V., 80 AMP., POSITIVE GRD.)				1								
	1119292	* REGULATOR (12V., 25 AMP., NEGATIVE GRD.)										1		
	9000555	* & REGULATOR (24V., 30 AMP., NEGATIVE GRD.)					1			1	1			
	9000591	* # REGULATOR (24V., NEGATIVE GROUND)					1			1	1			
	9000557	* % REGULATOR (32V., 60 AMP., NEGATIVE GRD.)						1	1					
	9000593	□ REGULATOR (32V., NEGATIVE GROUND)						1	1					
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)										4		
	120380	LOCKWASHER, 1/4" (12.9200)										4		
		— FIG. 10B OF 8.0000.												
		& THRU 8VA-13577, 12VA-4080, 16VA-654; NOT SERVICED, REPLACE WITH ITEMS MARKED "#" 7.1605, 7.1630.												
		# EFFECTIVE WITH 8VA-13578, 12VA-4081, 16VA-654.												
		% THRU 6VA-23529, 8VA-13299, 12VA-3995; NOT SERVICED, REPLACE WITH ITEMS MARKED "=" IN 7.1605, 7.1630.												
		= EFFECTIVE WITH 6VA-23530, 8VA-13300, 12VA-3996.												
		□ OBSOLETE.												
		7.1606 - BRACKET, GENERATOR VOLTAGE REGULATOR MOUNTING												
	5131682	BRACKET										1		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										2		
	103321	LOCKWASHER, 3/8" (12.9200)										2		
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY (12 VOLT)					1			1	1			1
	1115842	* RELAY (24 VOLT)						1	1					
	1115843	* RELAY (30-32 VOLT)												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 951	952	968	969	974	981	982	984	985	991	992	994
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966 *	MOUNTING ASSY. (SHOCK)	1											1
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985057 #	CABLE ASSY. (24V.)					1			1	1			
		# EFFECTIVE WITH 8VA-13578, 12VA-4081, 16VA-654.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1001	1006	1010	1013	1018	1023	1024	1025	1027	1028	1029
	7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.											
	NPN	GENERATOR (CUSTOMER FURNISHED)						1		1			
10B	**1106864**	* GENERATOR (12V., 50 AMP., C.W., INSL.)			1								
10B	**1117059**	* GENERATOR (12V., 60 AMP., C.W., GRD.)				1							
10B	**1117077**	* GENERATOR (12V., 60 AMP., C.C.W., GRD.)					1						
10B	**1106868**	* GENERATOR (24V., 20 AMP., C.C.W., INSL.)		1							1		
10B	**1106867**	* GENERATOR (24V., 20 AMP., C.W., INSL.)											1
10B	**1117236**	* GENERATOR (24V., 30 AMP., C.W., AC)	1										
10B	**1117075**	* GENERATOR (24V., 60 AMP., C.C.W., AC)										1	
10B	**1117563**	* GENERATOR (32V., 40 AMP., C.W., INSL.)							1				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1					1	
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)					1					1	
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)		2							2		
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)			1	1							1
	100042	BOLT, 7/16"-20X2" (12.9001)			1	1							1
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)	1										
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)	1										
	271585	BOLT, 5/8"-17X1 3/4" (12.9001)							2				
	103321	LOCKWASHER, 3/8" (12.9200)					2					2	
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR					AR		AR
	178627	LOCKWASHER, 5/8" INT., EXT. TOOTH (12.9200)							2				
	271506	NUT, 7/16"-20 HEX. (12.9120)		2							2		
	456939	NUT, 7/16"-20 HEX. (12.9120)	2		2	2							2
	103030	NUT, 5/8"-18 HEX. (12.9120)							2				
	7.1440 - FAN, GENERATOR												
10A	**1910089**	* FAN							1				
10A	**1852643**	* FAN AND BAFFLE		1	1						1		1
10A	**1949548**	* FAN AND BAFFLE				1							
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)							4				
	132971	SCREW, #12-24X3/8" (12.9025)				4							
	113904	SCREW, #12-24X7/16" (12.9025)		4	4						4		4
	180016	BOLT, 1/4"-20X1/2" (12.9001)							4				
	106498	LOCKWASHER, #12 (12.9200)		4	4	4					4		4

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1001	1006	1010	1013	1018	1023	1024	1025	1027	1028	1029
		7.1440 - FAN, GENERATOR (CONT'D)											
	120380	LOCKWASHER, 1/4" (12.9200)							4				
		7.1500 - PULLEY, GENERATOR											
10A	5133560	PULLEY (3.24" DIA., 1 GROOVE)		1						1	1		
10A	5108701	PULLEY (3.25" DIA., 2 GROOVE)			1	1		1					1
10A	5132527	PULLEY (2.76" DIA., 2 GROOVE)					1					1	
10A	5133561	PULLEY (3.25" DIA., 1 GROOVE)	1										
10A	5168777	PULLEY (4 3/4" DIA., 2 GROOVE)							1				
		7.1505 - PULLEY, GENERATOR DRIVE											
1D	5130019	PULLEY (5" DIA., 1 GROOVE)		1						1	1		
1E	5122267	PULLEY (5" DIA., 1 GROOVE) (1.7605)	1		1	1		1					1
1C	5132669	PULLEY (6.29" DIA., 2 GROOVE)					1					1	
1C	5168696	PULLEY (5 1/2" DIA., 2 GROOVE) (1.7605)							1				
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1		1	1		1					1
1C,D	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1					1	1	1		
1E	180121	BOLT, 3/8"-16X7/8" (12.9001)	1		1	1		1					1
1E	5150230	WASHER (3/8"X1 3/16" FLAT) (3.4120)	1		1	1		1					1
1E	103321	LOCKWASHER, 3/8" (12.9200)	1		1	1		1					1
1C,D	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)		1					1	1	1		
		7.1510 - HUB, GENERATOR DRIVE PULLEY											
1E	5117920	HUB (1.7640)	1		1	1		1					1
1C	5122876	SHAFT (1.7640)		1							1		
1C	5131130	SHAFT (1.7640)							1	1			
1D	5176474	BOLT (1.7630)							4				
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)	3		3	3		3					3
1E	103320	LOCKWASHER, 5/16" (12.9200)	3		3	3		3					3
		7.1515 - SEAL, GENERATOR DRIVE OIL											
1C	5131329	SEAL (1.7660)		1					1	1	1		
	5131131	SPACER, SEAL (1.7665)							1	1			
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL											
1C	5123116 +	RETAINER ASSY. (1.7645)		1							1		
1C	5131402	RETAINER ASSY. (1.7645)							1	1			
1C,D	179858	BOLT, 7/16"-14X1" (12.9001)							1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1001	1006	1010	1013	1018	1023	1024	1025	1027	1028	1029
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL (CONT'D)											
1C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		4					4	4	4		
1C	5150568	WASHER, COPPER (2.4050)							1				
1C,D	103322	LOCKWASHER, 7/16" (12.9200)		1					1	1	1		
1C	103323	LOCKWASHER, 1/2" (12.9200)							4				
		+ NOT SERVICED; USE 5131130 & 1-5131402 RETAINER ASSY.											
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER											
1C,D	5117061	GASKET (1.5040)		1					1	1	1		
		7.1535 - BEARING, GENERATOR DRIVE											
1C	954469	+ BEARING (N.D. 3203L1A) (2.7470)		1							1		
1C	907191	BEARING (N.D. 5602W) (1.7655)							1	1			
		+ OBSOLETE.											
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
1C	5155783	LOCKRING (2 9/16" DIA.) (1.7650)		1							1		
1C	9415285	LOCKRING (2.7470)							1	1			
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING											
1C	2136944	PLATE (12.4037)		1						1	1		
1C	5131627	PLATE (1.7630)							1				
1C	5177026	SPACER (1.7630)							1				
1C	5145091	BOLT, 3/8"-24X1 3/8" (12.5015)		1							1		
1C	5145092	BOLT, 3/8"-24X1.20" SELF-LOCK								4			
		7.1575 - BELT, GENERATOR DRIVE											
10A	5133517	BELT (39.00" L.)		1						1	1		
10A	5133516	BELT (38.00"L.	1		1	1		1					1
10A	5117638	BELT SET (2 BELTS) (30.88"L., .660"W.)							1				
10A	5132591	BELT SET (2 BELTS) (46.00"L, .380"W.)					1					1	
		7.1580 - STRAP, GENERATOR ADJUSTING											
10A	5116686	STRAP		1						1	1		
10A	5131768	STRAP	1										
10A	5133284	STRAP			1								1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1001	1006	1010	1013	1018	1023	1024	1025	1027	1028	1029
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)											
10A	**5189076**	STRAP				1							
10A	**5128546**	STRAP					1					1	
10A	**5117685**	STRAP							1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1	1		1							
	179839	BOLT, 3/8"-16X1" (12.9001)		1			1			1	1	1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1						1		1
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)							1				
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)			2								2
	181361	BOLT, 3/8"-24X7/8" (12.9001)	1			1							
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)							1				
	103341	WASHER, 3/8" FLAT (12.9190)	1	1		1							1
	5150230	WASHER, 3/8"X1 3/16" FLAT			1		1				1	1	1
	103342	WASHER, 7/16" FLAT (12.9190)							1				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
	178571	LOCKWASHER, 7/16" INT., EXT. (12.9220)							1				
	117049	NUT, 3/8"-24 HEX. (12.9120)	1			1							
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP											
	5164294	SPACER (13/32"X7/8"X1/8")		1					1	1	1		
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP											
	5133283	BRACKET	1			1							
	5168752	BRACKET							1				
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2			2							
	186627	BOLT, 3/8"-24X1" (12.9001)							2				
	103321	LOCKWASHER, 3/8" (12.9200)	2			2			2				
		7.1583 - SUPPORT, GENERATOR ADJUSTING STRAP											
	5117639	SUPPORT							1				
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)							2				
	103325	LOCKWASHER, 5/8" (12.9200)							2				
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
#	**5128544**	GUARD					1						
	5182577	GUARD, FAN							1				
	5117640	GUARD							1				
	113959	SCREW, 1/4"-20X1" RD. HD. (12.9025)							1				
	120628	BOLT, 1/4" (12.9010)					3						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1001	1006	1010	1013	1018	1023	1024	1025	1027	1028	1029
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY(CONT'D)											
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)							3				
	120392	WASHER, 1/4" FLAT (12.9190)					3						
	103321	LOCKWASHER, 3/8" (12.9200)							3				
	120375	NUT, 1/4"-20 HEX. (12.9120)							1				
	3844999	NUT (1/4"-28 RETAINING)					3						
		# FIG. 10A OF 5.0000.											
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5128536	BRACKET					1						
	5128538	BRACKET					1						
	5128537	BRACKET					1						
	179837	BOLT, 3/8"-16X3/4" (12.9001)					1						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					1						
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)					1						
	103343	WASHER, 1/2" FLAT (12.9190)					2						
	103321	LOCKWASHER, 3/8" (12.9200)					2						
	103323	LOCKWASHER, 1/2" (12.9200)					1						
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5164789	SPACER (7/8"X13/32"X7/8") (5.4025)					1						
	5113924	SPACER (7/16"X3/4"X19/32") (12.6670)							3				
		7.1595 - BRACKET, GENERATOR MOUNTING											
	5130014	BRACKET (FRONT)		1						1	1		
	5130015	BRACKET (REAR)		1						1	1		
#	5131801	BRACKET (FRONT)	1		1	1		1					1
	5130042	BRACKET (REAR)	1		1	1		1					1
	5130538	BRACKET					1					1	
	5160629	SPACER (13/32"X7/32") (4.2270)		2						2	2		
	444867	PLUG, 3/8" (12.9550)					1					1	
	186647	BOLT, 1/4"-20X1" (12.9001)	2		2	2		2					2
	179839	BOLT, 3/8"-16X1" (12.9001)	4		4	4		4					4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					4					4	
	5131478	BOLT (3/8"-24X6") (12.4001)		1						1	1		
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1		1	1		1					1
	120392	WASHER, 1/4" FLAT (12.9190)	2		2	2		2					2
	103341	WASHER, 3/8" FLAT (12.9190)			2	2		2				2	2
	120380	LOCKWASHER, 1/4" (12.9200)	2		2	2		2					2
	103321	LOCKWASHER, 3/8" (12.9200)	4	1	4	4	4	4		1	1	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	1		1	1		1					1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1001	1006	1010	1013	1018	1023	1024	1025	1027	1028	1029
		7.1595 - *BRACKET, GENERATOR MOUNTING* (CONT'D)											
	117049	NUT, 3/8"-24 HEX. (12.9120)		1						1	1		
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET											
	5122266	GASKET	1		1	1		1					1
		7.1605 - REGULATOR ASSY., VOLTAGE											
@	**9000553**	* & REGULATOR (12V., 60 AMP., NEGATIVE GRD.)					1						
@	**9000590**	* + REGULATOR (12V., NEGATIVE GROUND)					1						
	1118883	* REGULATOR (12V., 50 AMP., POSITIVE GRD.)			1								
@	**9000555**	* % REGULATOR (24V., 30 AMP., NEGATIVE GRD.)	1									1	
@	**9000591**	* # REGULATOR (24V., NEGATIVE GROUND)	1									1	
@	**1119185**	* REGULATOR (24V., 20 AMP., NEGATIVE GRD.)		1									
	1118346	* REGULATOR (24V., 20 AMP., POSITIVE GRD.)									1		1
	1118586	* REGULATOR (32V., 40 AMP., POSITIVE GRD.)							1				
		@ FIG. 108 OF 8.0000.											
		& THRU 12VA-4345; NOT SERVICED, REPLACE WITH ITEMS MARKED "+" IN 7.1605, 7.1630.											
		+ EFFECTIVE WITH 12VA-4346.											
		% THRU 8VA-13577, 12VA-4080, 16VA-654; NOT SERVICED, REPLACE WITH ITEMS MARKED "#" IN 7.1605, 7.1630.											
		# EFFECTIVE WITH 8VA-13578, 12VA-4081, 16VA-654.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115841	* RELAY (12 VOLT)				1	1						
	1115842	* RELAY (24 VOLT)										1	
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966	* MOUNTING ASSY. (SHOCK)		1	1							1	1
	5173127	MOUNTING ASSY. (SPRING)							1				
	120393	WASHER, 5/16" FLAT (12.9190)							8				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10001	10006	10010	10013	10018	10023	10024	10025	10027	10028	10029
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR (CONT'D)											
	120214	LOCKWASHER, 5/16" (12.9200)							8				
	120376	NUT, 5/16"-18 HEX. (12.9120)							8				
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR											
	2985054 +	CABLE ASSY. (12V.)					1						
	2985057 #	CABLE ASSY. (24V.)	1									1	
	2985055 =	CABLE ASSY. (32V.)						1	1				

+ EFFECTIVE WITH 12VA-4346.
# EFFECTIVE WITH 8VA-13578, 12VA-4081, 16VA-654.
= EFFECTIVE WITH 6VA-23530, 8VA-13300, 12VA-3996.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1042	1043	1045	1047	1049	1060	1061	1062	1066	1067	1069	1074
		7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.												
10A,B	**1117077**	* GENERATOR (12V., 60 AMP., C.C.W., AC)	1											1
10A,B	**1106868**	* GENERATOR (24V., 20 AMP., C.C.W., INSL.)		1										
10A,B	**1106825**	* GENERATOR (12V., 50 AMP., C.C.W., INSL.)			1									
10A,B	**1102287**	* GENERATOR (12V., 25 AMP., C.W., GRD.)				1								
10A,B	**1106943**	* GENERATOR (12V., 40 AMP., C.W., INSL.)					1							
10A,B	**1106867**	* GENERATOR (24V., 20 AMP., C.W., INSL.)						1						
10A,B	**1117076**	* GENERATOR (32V., 60 AMP., C.C.W., AC)							1				1	
10A,B	**1117075**	* GENERATOR (24V., 60 AMP., C.C.W., AC)								1		1		
10A,B	**1117079**	* @ GENERATOR (32V., 30 AMP., C.C.W., AC)									1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2						1	1	1	1	1	2
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)							1	1	1	1	1	
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)				1								
	106288	BOLT, 3/8"-24X2 1/4" (12.9001)				1								
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)			2									
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)					1	1						
	100042	BOLT, 7/16"-20X2" (12.9001)					1	1						
	103321	LOCKWASHER, 3/8" (12.9200)	2			2			2	2	2	2	2	2
	103322	LOCKWASHER, 7/16" (12.9200)			2		2	2						
	117049	NUT, 3/8"-24 HEX. (12.9120)				2								
	271506	NUT, 7/16"-20 HEX. (12.9120)			2									
	456939	NUT, 7/16"-20 HEX. (12.9120)					2	2						
		@ OBSOLETE												
		7.1440 - FAN, GENERATOR												
	1866400	* FAN				1								
10A	**1852643**	* FAN AND BAFFLE			1			1						
	113904	SCREW, #12-24X7/16" RD. HD. (12.9025)			4			4						
	106498	LOCKWASHER, #12 (12.9200)			4			4						
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE				1								

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1042	1043	1045	1047	1049	1060	1061	1062	1066	1067	1069	1074
		7.1500 - PULLEY, GENERATOR												
10A	5132527	PULLEY (2 5/8" DIA., 2 GROOVE) (1.7605)	1						1	1	1	1	1	1
	5133560	PULLEY (3.24" DIA., 1 GROOVE)		1	1									
10A	5133561	PULLEY (3.25" DIA., 1 GROOVE)				1								
10A	5108701	PULLEY (3.25" DIA., 1 GROOVE)					1	1						
		7.1505 - PULLEY, GENERATOR DRIVE												
1E	5122267	PULLEY (5.00" DIA., 1 GROOVE) (1.7605)	1			1	1	1						
1C,D	5130019	PULLEY (5.00" DIA., 1 GROOVE)			1									
1D	5100268	PULLEY (5.25" DIA., 1 GROOVE)		1										
1C	5145905	PULLEY (6.29" DIA., 2 GROOVE)							1	1	1			1
1C	5132669	PULLEY (6.29" DIA., 2 GROOVE)										1	1	
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)				1	1	1						
1C,D	124548	KEY, 5/32"X3/4" WOODRUFF (12.9350)		1										
1C,D	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)			1									
1E	180121	BOLT, 3/8"-16X7/8" (12.9001)				1	1	1						
1D	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		1										
1E	5150230	WASHER (3/8" FLAT)				1	1	1						
1D	5132987	WASHER (29/64"X1 1/2"X.34")		1										
1E	103321	LOCKWASHER, 3/8" (12.9200)				1	1	1						
1D	103322	LOCKWASHER, 7/16" (12.9200)		1										
1C	272906	NUT, 3/4"-16 HEX. LOCK (12.9120)			1									
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
)	5164286	HUB (1.7610)		1										
C	5131130	SHAFT (1.7640)			1									
1E	5117920	SHAFT (1.7640)				1	1	1						
1D	5176474	BOLT (1.7630)		4										
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)				3	3	3						
1E	103320	LOCKWASHER, 5/16" (12.9200)				3	3	3						
		7.1515 - SEAL, GENERATOR DRIVE OIL												
1D	5102546	SEAL (1.7620)		1										
1C	5131329	SEAL (1.7660)			1									
	5131131	SPACER, SEAL (1.7665)			1									
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
1D	5102565 =	RETAINER ASSY.		1										
1C	5131402 #	RETAINER ASSY. (1.7645)			1									
1C	179858	BOLT, 7/16"-14X1" (12.9001)			1									

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1042	1043	1045	1047	1049	1060	1061	1062	1066	1067	1069	1074
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL (CONT'D)												
1C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)			4									
1C	5150568	WASHER, 7/16" COPPER (2.4050)			1									
1C	103323	LOCKWASHER, 1/2" (12.9200)			4									
		= INCLUDES SEAL IN 7.1515.												
		# INCLUDES OIL SEAL IN 7.1515 AND ITEMS IN 7.1535 AND 7.1545.												
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
1C,D	5117061	GASKET (1.5040)		1	1									
		7.1535 - BEARING, GENERATOR DRIVE												
1C	907191	BEARING (N.D. 5602W) (1.7655)			1									
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING												
1C	9415285	LOCKRING (2.7470)			1									
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING												
1C	2136944	PLATE (12.4037)			1									
1C	5145092	BOLT, 3/8"-24X1.24" SELF LOCK			4									
		7.1575 - BELT, GENERATOR DRIVE												
10A	9433877	BELT (36.00"L.,				1								
10A	5133516	BELT (38.00"L.,					1	1						
10A	5133517	BELT (39.00"L.,			1									
10A	5132591	BELT SET (2 BELTS) (46.00"L., W.)	1						1	1	1	1	1	1
		7.1580 - STRAP, GENERATOR ADJUSTING												
10A	5128546	STRAP	1						1	1	1	1	1	1
10A	5188793	STRAP		1										
10A	5116686	STRAP			1									
10A	5127005	+ STRAP				1								
10A	5133284	STRAP					1	1						
	186629	BOLT, 5/16"-18X1" (12.9001)				1								

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10422	10433	10455	10477	10499	10600	10661	10662	10666	10667	10669	10674
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	179839	BOLT, 3/8"-16X1" (12.9001)	1		2				1	1	1	1	1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1			1	1						
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)					2	2						
	181361	BOLT, 3/8"-24X7/8" (12.9001)				1								
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)		1										
	5150230	WASHER, FLAT (3/8"X1 3/16")	1	1	1	1	1	1	1	1	1	1	1	1
	103341	WASHER, 3/8" FLAT (12.9190)		1										
	103320	LOCKWASHER, 5/16" (12.9200)				1								
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 HEX. (12.9120)				1								
		+ OBSOLETE.												
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164294	SPACER (13/32"X7/8"X1/8")			1									
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5127004	BRACKET				1								
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)				2								
	103321	LOCKWASHER, 3/8" (12.9200)				2								
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
#	5128544	GUARD	1						1	1	1	1	1	1
	120628	BOLT, 1/4"-28 (12.9001)	3						3	3	3	3	3	3
	120392	WASHER, 1/4" FLAT (12.9190)	3						3	3	3	3	3	3
	3844994	NUT (1/4"-28 RETAINING)	3						3	3	3	3	3	3
		# FIG. 10A OF 5.0000.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5128536	BRACKET	1						1	1	1	1	1	1
	5128537	BRACKET	1						1	1	1	1	1	1
	5128538	BRACKET (DRY BLOCK)	1						1	1	1	1	1	1
	5144708	BRACKET (WATER BELOW PORT BLOCK)							1	1	1	1	1	1
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1						1	1	1	1	1	1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	1						1	1	1	1	1	1
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)	1											
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	1						1	1	1	1	1	1
	103341	WASHER, 3/8" FLAT (12.9190)							1				1	
	103343	WASHER, 1/2" FLAT (12.9190)	2						2	2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2						2	2	2	2	2	2

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1042	1043	1045	1047	1049	1060	1061	1062	1066	1067	1069	1074
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)												
	103323	LOCKWASHER, 1/2" (12.9200)	1						1	1	1	1	1	1
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5164789	SPACER (7/8"X13/32"X7/8") (5.4025)	1						1	1	1	1	1	1
		7.1595 - BRACKET, GENERATOR MOUNTING												
	5130538	BRACKET	1							1	1	1		1
	5128547	BRACKET							1				1	
	5130014	BRACKET (FRONT)			1									
	5130015	BRACKET (REAR)			1									
	5131801	# BRACKET (FRONT)				1	1	1						
	5130042	BRACKET (REAR)				1	1	1						
	5145014	PLUG, 3/8" ALLEN HD. (12.9550)	1						1	1	1	1	1	1
	186647	BOLT, 1/4"-20X1" (12.9001)				2	2	2						
	179838	BOLT, 3/8"-16X7/8" (12.9001)	4											
	179839	BOLT, 3/8"-16X1" (12.9001)				4	4	4						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							4	4	4	4	4	4
	5126695	BOLT (3/8"-24X5 1/2")			2									
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)				1	1	1						
	120392	WASHER, 1/4" FLAT (12.9190)				2	2	2						
	103341	WASHER, 3/8" FLAT (12.9190)				2	2	2						
	120380	LOCKWASHER, 1/4" (12.9200)				2	2	2						
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)				AR	AR	AR						
	117049	NUT, 3/8"-24 HEX. (12.9120)			2									
		# NOT SERVICED, REPLACE WITH (1) 5135411 BRACKET (FRONT), (1) 5134833 BRACKET (REAR) AND (2) 5164294 SPACERS.												
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET				1	1	1						
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5160629	SPACER (13/32"X7/32") (4.2270)			2									
		7.1605 - REGULATOR ASSY., VOLTAGE												
@	9000552	* # REGULATOR (12V.) (NEGATIVE GROUND)	1											1
@	1118886	* REGULATOR (12V., POSITIVE GROUND)					1							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1042	1043	1045	1047	1049	1060	1061	1062	1066	1067	1069	1074
		7.1605 - REGULATOR ASSY., VOLTAGE (CONT'D)												
©	**1118955**	* REGULATOR (12V., 25 AMP., POSITIVE GRD.)				1								
@	**1118883**	* REGULATOR (12V., 50 AMP., POSITIVE GRD.)			1									
@	**9000591**	* REGULATOR (24V., NEGATIVE GROUND)								1		1		
@	**1119185**	* REGULATOR (24V., 20 AMP., NEGATIVE GRD.)		1				1						
@	**9000593**	□ REGULATOR (32V., NEGATIVE GROUND)							1		1		1	
	190741	SCREW, 1/4"-28X1" FIL. HD. SL. (12.9015)	4											
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)						4						
	120380	LOCKWASHER, 1/4" (12.9200)	4					4						
		@ FIG. 10B OF 8.0000.												
		# NOT SERVICED, REPLACE WITH 1-9000590 REGULATOR AND INCLUDE 1-2985054 CABLE ASSY. AND 1-1116895 RELAY.												
		□ OBSOLETE.												
		7.1606 - BRACKET, GENERATOR VOLTAGE REGULATOR MOUNTING												
	5131682	BRACKET						1						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						2						
	103321	LOCKWASHER, 3/8" (12.9200)						2						
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY (12V.)												1
	1115842	* RELAY (24V.)								1		1		
	1115843	* RELAY (32V.)							1		1		1	
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5133129	PLATE	1											
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)	1	1				1	1	1	1	1	1	1
	190741	SCREW, 1/4"-28X1" FIL. HD. SL. (12.9015)	4											
	120380	LOCKWASHER, 1/4" (12.9200)	4											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1042	1043	1045	1047	1049	1060	1061	1062	1066	1067	1069	1074
		7.1630 - WIRE ASSY., GENERATOR TO VOLTAGE REGULATOR												
	5131330	HARNESS	1											
	1507359	SWITCH (BETWEEN GENERATOR & REGULATOR) (7.4125)	1											
	5104778	TEE (7.4694)	1											1
	2985054	CABLE ASSY. (12V.)								1		1		
	2985057	CABLE ASSY. (24V.)							1		1		1	
	2985055	+ CABLE ASSY. (32V.)												

+ *OBSOLETE*

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1075	1076	1078	1080	1082	1083	1086	1092	1093	1094	1096
		7.1001 - GENERATOR ASSY.											
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.											
	NPN	GENERATOR (CUSTOMER FURNISHED)			1		1						
10A,B	1117077	* GENERATOR (12V., 60 AMP., C.C.W., AC)											1
10A,B	1106868	* GENERATOR (24V., 20 AMP., C.C.W., INSL.)				1							
10A,B	1117076	* GENERATOR (32V., 60 AMP., C.C.W., AC)	1									1	
10A,B	1117075	* GENERATOR (24V., 60 AMP., C.C.W., AC)						1		1			
10A,B	1117072	* GENERATOR (24V., 60 AMP., C.C.W., AC)		1									
10A,B	1117128	* GENERATOR (12V., 105 AMP., C.W., AC)							1				
10A,B	1117070	* GENERATOR (12V., 60 AMP., C.W., AC)									1		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	1					1				1	2
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	1					1				1	
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)							1	1			
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)							1	1			
	181381	BOLT, 3/8"-24X2 1/2" (12.9001)									2		
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)				2							
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)			1								
	100042	BOLT, 7/16"-20X2" (12.9001)			1								
	112518	BOLT, 7/16"-20X2 3/8" (12.9001)					1						
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)					1						
	103321	LOCKWASHER, 3/8" (12.9200)	2					2		2	2	2	2
	103322	LOCKWASHER, 7/16" (12.9200)			2	2	2		2				
	117049	NUT, 3/8"-24 HEX. (12.9120)								2	2		
	271500	NUT, 7/16"-14 HEX. (12.9120)				2			2				
	456939	NUT, 7/16"-20 HEX. (12.9120)			2		2						
		7.1440 - FAN, GENERATOR											
10A	1852643	* FAN AND BAFFLE			1	1			1				
	113904	SCREW, #12-24X7/16" RD. HD. (12.9025)			4	4			4				
	106498	LOCKWASHER, #12 (12.9200)			4	4			4				
		7.1500 - PULLEY, GENERATOR											
10A	5132527	PULLEY (2 5/8" DIA., 2 GROOVE) (1.7605)	1					1				1	1
10A	5108701	PULLEY (3.25" DIA., 1 GROOVE)			1	1			1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1075	1078	1078	1080	1082	1083	1086	1092	1093	1094	1096
		7.1500 - PULLEY, GENERATOR (CONT'D)											
10A	**5133559**	PULLEY (3.25" DIA., 1 GROOVE)								1			
10A	**5133953**	PULLEY (3.66" DIA., 2 GROOVE)		1							1		
10A	**5133310**	PULLEY (3.66" DIA., 2 GROOVE)					1						
		7.1505 - PULLEY, GENERATOR DRIVE											
1E	**5122267**	PULLEY (5.00" DIA., 1 GROOVE) (1.7605)			1			1					1
1D	**5100268**	PULLEY (5.25" DIA., 1 GROOVE)								1			
1D	**5133377**	PULLEY (6.25" DIA., 2 GROOVE)		1			1				1		
1C	**5145905**	PULLEY (6.29" DIA., 2 GROOVE)										1	
1C	**5132669**	PULLEY (6.29" DIA., 2 GROOVE)	1										
1E	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)			1								
1C,D	**124548**	KEY, 5/32"X3/4" WOODRUFF (12.9350)								1			
1C	**124543**	KEY, 1/8"X1/2" WOODRUFF (12.9350)		1			1				1		
1E	**180121**	BOLT, 3/8"-16X7/8" (12.9001)			1								
1D	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)								1			
1E	**5150230**	WASHER (3/8" FLAT)			1								
1D	**5132987**	WASHER (29/64"X1 1/2"X.34")								1			
1E	**103321**	LOCKWASHER, 3/8" (12.9200)			1		1						
1D	**103322**	LOCKWASHER, 7/16" (12.9200)								1			
1C	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9120)		1			1				1		
		7.1507 - DRIVE ASSY., GENERATOR											
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540 AND 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7.1535 AND 7.1540.											
	5133747	DRIVE ASSY.		1			1				1		
1C	**5127675** @	DRIVE ASSY. (1.7600)		1			1				1		
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)		1			1				1		
	5131478	BOLT (THRU) (3/8"-24X6")					1						
	179839	BOLT, 3/8"-16X1" (12.9001)		2			2				2		
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)		3			3				3		
	103321	LOCKWASHER, 3/8" (12.9200)		AR			AR				AR		
	117049	NUT, 3/8"-24 HEX. (12.9120)					1						

@ NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE DRIVE ASSY. 5133747. FOR CONVERSION TO DOUBLE ROW BEARING DRIVE ASSY. USE KIT 5198175 IN 7.1507.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10075	10076	10078	10080	10082	10083	10086	10092	10093	10094	10096
		7.1510 - HUB, GENERATOR DRIVE PULLEY											
1D	5164286	HUB (1.7610)								1			
	5143234	HUB (1.7610)		1			1				1		
1E	5117920	SHAFT (1.7640)			1								
	5143233	SHAFT		1			1				1		
	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)		1			1				1		
1D	5176474	BOLT (1.7630)								4			
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)			3								
1E	103320	LOCKWASHER, 5/16" (12.9200)			3								
		7.1515 - SEAL, GENERATOR DRIVE OIL											
1D	5102546	SEAL (1.7620)								1			
	5150220 @	SEAL (3.4160)		1			1				1		
	5198174 @	+ SLEEVE, OIL SEAL		1			1				1		
		@ PART OF ACCESSORY DRIVE SEAL KIT IN 7.1507.											
		+ NOT PART OF DRIVE ASSY.											
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL											
1C	5127674 @	RETAINER (1.7645)		1			1				1		
	5133683	RETAINER		1			1				1		
1D	5102565 =	RETAINER ASSY.								1			
		@ NOT SERVICED; REPLACE WITH 5133747 DRIVE ASSY. IN 7.1507.											
		= INCLUDES SEAL IN 7.1515.											
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER											
1C	5122227	GASKET (1.5060)		1			1				1		
		7.1535 - BEARING, GENERATOR DRIVE											
1C	907187	BEARING (2.8830)		2			2				2		
	908002 @	BEARING (N.D.55694L1C) (5.4332)		1			1				1		
		@ PART OF ACCESSORY DRIVE SEAL KIT IN 7.1507.											
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING											
	5109129	SPACER		1			1				1		
	5133682 @	SPACER (1.7665)		1			1				1		
		@ PART OF ACCESSORY DRIVE SEAL KIT											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1075	1076	1078	1080	1082	1083	1086	1092	1093	1094	1096
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING(CONT'D)											
		IN 7.1507.											
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
1C	274621	LOCKRING		1			1				1		
		7.1560 - COUPLING, GENERATOR DRIVE											
	5108936	COUPLING (12.5010)		1			1				1		
		7.1575 - BELT, GENERATOR DRIVE											
10A	5133516	BELT (38.00"L.,			1								
10A	5140928	BELT (40.00"L.,							1				
10A	9433888	BELT (41.50"L.,				1				1			
10A	5135298	BELT SET (2 BELTS) (31.00"L., W.)		1			1				1		
10A	5132591	BELT SET (2 BELTS) (46.00"L., W.)	1					1				1	1
		7.1580 - STRAP, GENERATOR ADJUSTING											
10A	5128546	STRAP	1					1				1	1
10A	5188793	STRAP								1			
10A	5133621	STRAP		1							1		
10A	5131768	STRAP			1								
10A	5126799	STRAP				1							
10A	5136028	STRAP					1						
10A	5128884	STRAP							1				
	179839	BOLT, 3/8"-16X1" (12.9001)	1				1	1				1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1	1				1	1	1		
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				1							
	5157244	BOLT (3/8"-16X1 3/4")				1							
	181361	BOLT, 3/8"-24X7/8" (12.9001)			1								
	181360	BOLT, 3/8"-24X3/4" (12.9001)					1						
	181381	BOLT, 3/8"-24X2 1/2" (12.9001)		2									
	186311	BOLT, 3/8"-24X3 3/4" (12.9001)							1				
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)							1	1			
	186317	BOLT, 3/8"-24X5" (12.9001)		1							1		
	5150230	WASHER, FLAT (3/8"X1 3/16")	1		1	1		1		1		1	1
	103341	WASHER, 3/8" FLAT (12.9190)								1			
	5108435	WASHER (3/8")					1						
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	102635	NUT, 3/8"-16 HEX. (12.9120)				1							

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1075	1076	1078	1080	1082	1083	1086	1092	1093	1094	1096
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)											
	117049	NUT, 3/8"-24 HEX. (12.9120)		2	1		1						
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP											
	5164294	SPACER (13/32"X7/8"X1/8")		1					1		1		
	5159347	SPACER (3/4"O.D.X1/2")				1							
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP											
	5133283	BRACKET			1								
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)			2								
	103321	LOCKWASHER, 3/8" (12.9200)			2								
		7.1583 - SUPPORT, GENERATOR ADJUSTING STRAP											
	5135571	SUPPORT					1						
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
#	5128544	GUARD	1					1				1	1
#	5126796	GUARD				1							
	120628	BOLT, 1/4" (12.9001)	3					3				3	3
	120392	WASHER, 1/4" FLAT (12.9190)	3					3				3	3
	3844994	NUT (1/4"-28 RETAINING)	3					3				3	3
		# FIG. 10A OF 5.0000.											
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5128536	BRACKET	1					1				1	1
	5128537	BRACKET	1					1				1	1
	5128538	BRACKET (DRY BLOCK)	1					1				1	1
	5144708	BRACKET (WATER BELOW PORT BLOCK)	1									1	
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1					1				1	1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						1				1	
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	1										
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)											1
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	1					1				1	1
	103343	WASHER, 1/2" FLAT (12.9190)	2					2					
	103321	LOCKWASHER, 3/8" (12.9200)	2					2				2	2
	103323	LOCKWASHER, 1/2" (12.9200)	1					1				1	1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10075	10076	10078	10080	10082	10083	10086	10092	10093	10094	10096
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5164789	SPACER (7/8"X13/32"X7/8") (5.4025)	1					1				1	1
		7.1595 - BRACKET, GENERATOR MOUNTING											
	5130538	BRACKET	1					1				1	1
	5131801 #	BRACKET (FRONT)			1								
	5130042	BRACKET (REAR)			1								
	5138053 @	BRACKET (FRONT)		1			1				1		
	5138052 @	BRACKET (REAR)		1			1				1		
	5126798	BRACKET				1							
	5128885	BRACKET							1				
	5100299	BRACKET (REAR)								1			
	5100300	BRACKET (FRONT)								1			
	5145014	PLUG, 3/8" ALLEN HD. (12.9550)	1					1				1	1
	443603	BOLT, 1/4"-20X3/4" (12.9001)		2			2						
	186647	BOLT, 1/4"-20X1" (12.9001)			2								
	179838	BOLT, 3/8"-16X7/8" (12.9001)											4
	179839	BOLT, 3/8"-16X1" (12.9001)		2	4	2	2				2		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4					4				4	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2			2				
	5126695	BOLT (3/8"-24X5 1/2")								2			
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)		2			2				2		
	179862	BOLT, 7/16"-14X1 1/2" (12.9001) BOLT, 7/16"-14X1 1/2" (12.9001)			1				2				
	120392	WASHER, 1/4" FLAT (12.9190)			2								
	5179709	WASHER, 1/4" COPPER		2			2				2		
	5152148	WASHER, 3/8"-9/16" (2.4050)					2				2		
	103341	WASHER, 3/8" FLAT (12.9190)			2	2							
	5108436	WASHER (7/16")							2				
	120380	LOCKWASHER, 1/4" (12.9200)		2	2						2		
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR		AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)		2	1		AR		AR		2		
	117049	NUT, 3/8"-24 HEX. (12.9120)								2			

\# NOT SERVICED, REPLACE WITH (1) 5135411 BRACKET (FRONT), (1) 5134833 BRACKET (REAR) AND (2) 5164294 SPACERS.

@ NOT SERVICED, REPLACE WITH (1) 5145154 BRACKET (FRONT), (1) 5145144 BRACKET (REAR) AND INCLUDE 1-451925 BOLT.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1075	1076	1078	1080	1082	1083	1086	1092	1093	1094	1096
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET											
	5160629	SPACER (13/32"X7/32") (4.2270)								2			
	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)							2				
	5174085	SPACER (15/32"X13/16"X3/8") (2.7960)							2				
		7.1605 - REGULATOR ASSY., VOLTAGE											
@	9000590 *	REGULATOR (12V.) (NEGATIVE GROUND)							1		1		1
@	9000591 *	REGULATOR (24V., NEGATIVE GROUND)		1				1		1			
@	1119185 *	REGULATOR (24V., 20 AMP., NEGATIVE GRD.)				1							
@	9000592 *	REGULATOR (30V., NEGATIVE GROUND)	1									1	
	190741	SCREW, 1/4"-28X1" FIL. HD. SL. (12.9015)				4							
	120380	LOCKWASHER, 1/4" (12.9200)				4							
		@ FIG. 10B OF 8.0000.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115841 *	RELAY (12V.)							1		1		1
	1115842 *	RELAY (24V.)		1				1		1			
	1115843 *	RELAY (32V.)	1									1	
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING											
	5185708	PLATE				1							
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966 *	MOUNTING ASSY. (SHOCK)	1			1		1	1	1		1	1
	190741	SCREW, 1/4"-28X1" FIL. HD. SL. (12.9015)				4			4				
	120380	LOCKWASHER, 1/4" (12.9200)				4			4				
		7.1630 - WIRE ASSY., GENERATOR TO VOLTAGE REGULATOR											
	2985054	CABLE ASSY. (12V.)							1		1		1
	2985057	CABLE ASSY. (24V.)		1				1		1			
	2985056	CABLE ASSY. (30V.)	1									1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1097	1099	1104	1107	1112	1116	1118	1121	1123	1125	1127	1132
		7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)		1	1	1		1			1		1	
10A,B	1106867	* GENERATOR (24V., 20 AMP., C.W. INSL.)	1											
10A,B	1117059	* GENERATOR (12V., 60 AMP., C.W., GRD.)					1							
10A,B	1117071	* GENERATOR (24V., 30 AMP., C.W., GRD.)							1					
10A,B	1117078	@ GENERATOR (12V., 60 AMP., C.W., AC)								1				
10B	1117074	* GENERATOR (32V., 60 AMP., C.W., AC)										1		
10B	1117076	* GENERATOR (32V., 60 AMP., C.C.W., AC)												1
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)										1		1
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)							1					
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)										1		1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)							1					
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)	1		1		1			1				
	100042	BOLT, 7/16"-20X2" (12.9001)	1		1		1			1				
	112518	BOLT, 7/16"-20X2 3/8" (12.9001)											1	
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)											1	
	103321	LOCKWASHER, 3/8" (12.9200)							AR			AR		AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR		AR		AR			AR			AR	
	117049	NUT, 3/8"-24 HEX. (12.9120)							2					
	456939	NUT, 7/16"-20 HEX. (12.9120)	2		2		2			2			2	
		@ NO LONGER AVAILABLE FOR SERVICE.												
		7.1440 - FAN, GENERATOR												
	NPN	FAN (CUSTOMER FURNISHED)		1		1								
10A	1910036	* FAN AND BAFFLE	1		1									
10A	1949548	* FAN AND BAFFLE					1			1				
	132971	SCREW, #12-24X3/8" (CAD.) (12.9025)					4			4				
	113904	SCREW, #12-24X7/16" RD. HD. (12.9025)	4		4									
	106498	LOCKWASHER, #12 (12.9200)	4		4		4			4				
		7.1500 - PULLEY, GENERATOR												
	NPN	PULLEY (CUSTOMER FURNISHED)				1								
10A	5133562	PULLEY (3.25" DIA., 1 GROOVE)	1		1									
10A	5108701	PULLEY (3.25" DIA., 2 GROOVE)	1		1									
10A	5133093	PULLEY (2.76" DIA., 2 GROOVE)		1			1			1				
10A	5133560	PULLEY (3.24" DIA., 1 GROOVE)						1						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1097	1099	1104	1107	1112	1116	1118	1121	1123	1125	1127	1132
		7.1500 - PULLEY, GENERATOR (CONT'D)												-
10A	5132527	PULLEY (2.76" DIA., 2 GROOVE)							1			1		1
10A	5133310	PULLEY (3.66" DIA., 2 GROOVE)											1	
		7.1505 - PULLEY, GENERATOR DRIVE												
1E	5122267	PULLEY (5.00" DIA., 1 GROOVE) (1.7605)	1		1	1								
1E	5133091	PULLEY (5.00" DIA., 2 GROOVE)		1			1			1	1			
1C,D	5130019	PULLEY (5.00" DIA., 1 GROOVE)						1						
1C	5133095	PULLEY (5.25" DIA., 2 GROOVE)							1					
1E	5132688	PULLEY (9.00" DIA., 2 GROOVE) (SD-52)										1		1
1C	5133377	PULLEY (6.25" DIA., 2 GROOVE)											1	
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1	1	1	1	1			1	1			
1C,D	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)						1	1					
1C	124543	KEY, 1/4"X1" WOODRUFF (12.9350)											1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)										3		3
1E	180121	BOLT, 3/8"-16X7/8" (12.9001)	1	1	1	1	1			1	1			
1E	5150230	WASHER, 3/8" FLAT X 1 3/16" (3.4120)	1	1	1	1	1			1	1			
	103320	LOCKWASHER, 5/16" (12.9200)										3		3
1E	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1	1	1			1	1			
1C	272906	NUT, 3/4"-16 HEX. LOCK (12.9120)						1	1				1	
		7.1507 - DRIVE ASSY., GENERATOR												
		INCLUDES NUT AND KEY IN 7.1505, PLUS ITEMS IN 7.1510, 7.1515, 7.1520, 7.1535, 7.1540, 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7.1535 AND 7.1540.												
	5133747	DRIVE ASSY.											1	
1C	5127675 @	DRIVE ASSY.											1	
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)											1	
	179839	BOLT, 3/8"-16X1" (12.9001)											2	
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)											3	
	103321	LOCKWASHER, 3/8" (12.9200)											5	
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE DRIVE ASSY. 5133747. FOR CONVERSION TO DOUBLE ROW BEARING DRIVE ASSY. USE KIT 5198175 IN 7.1507.												
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
1C	5143234	HUB (1.7610)											1	
1E	5117920	SHAFT (1.7640)	1	1	1	1	1			1	1			
1C	5131130	SHAFT (1.7640)						1	1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1097	1099	1104	1107	1112	1116	1118	1121	1123	1125	1127	1132
		7.1510 - HUB, GENERATOR DRIVE PULLEY (CONT'D)												
1C	5143233	SHAFT (1.7640)											1	
1C	124543	KEY, 1/4"X1" WOODRUFF (12.9350)											1	
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)	3	3	3	3	3			3	3			
1E	5176474	BOLT (3/8"-24X1 1/8")							4					
1E	103320	LOCKWASHER, 5/16" (12.9200)	3	3	3	3	3			3	3			
		7.1515 - SEAL, GENERATOR DRIVE OIL												
1C	5131329	SEAL (1.7670)						1	1					
	5150220 @	SEAL (3.4160)											1	
	5131131	SPACER, SEAL (1.7665)						1	1					
	5198174 @	# SLEEVE, OIL SEAL											1	
		@ PART OF ACCESSORY DRIVE SEAL KIT IN 7.1507.												
		# NOT PART OF DRIVE ASSY.												
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
		A RETAINER ASSY. INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1545.												
	5133683	RETAINER											1	
1C	5127674 @	RETAINER (1.7645)											1	
1C	5131402	RETAINER ASSY. (1.7645)						1	1					
1C	179858	BOLT, 7/16"-14X1" (12.9001)						1	1					
1C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)						4	4					
1C	5150568	WASHER, 7/16" COPPER (2.4050)						1						
1C	103323	LOCKWASHER, 1/2" (12.9200)						4						
		@ NOT SERVICED; REPLACE WITH 5133747 DRIVE ASSY. IN 7.1507.												
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
1C	5122227	GASKET (1.5060)											1	
		7.1535 - BEARING, GENERATOR DRIVE												
1C	907191	BEARING (N.D. 5602W) (1.7655)						1	1					
1C	907187	BEARING (2.8830)											2	
	908002 @	BEARING (N.D. 55694L1C) (5.4332)											1	
		@ PART OF ACCESSORY DRIVE SEAL KIT IN 7.1507.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1097	1099	1104	1107	1112	1116	1118	1121	1123	1125	1127	1132
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING												
	5109129	@ SPACER (1.7665)											1	
	5133682	# SPACER (1.7665)											1	
		@ NOT SERVICED; USE KIT 5198175.												
		# PART OF ACCESSORY DRIVE SEAL KIT IN 7.1507.												
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING												
1C	**9415285**	LOCKRING (2.7470)						1	1					
1C	**274621**	LOCKRING											1	
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING												
1C	**2136944**	PLATE (12.4037)						1						
1E	**5131627**	PLATE (1.7630)							1					
	5177026	SPACER (1.7630)							1					
		7.1560 - COUPLING, GENERATOR DRIVE												
	5139545	COUPLING (1.7635)											1	
		7.1575 - BELT, GENERATOR DRIVE												
		P. INDICATES "PREMIUM."												
	NPN	BELT (CUSTOMER FURNISHED)				1								
10A	**5133516**	BELT (38.00"L.,	1		1									
10A	**5133517**	BELT (39.00"L.,						1						
10A	**5135298**	BELT SET (2 BELTS) (31.00"L., W.) (P)											1	
10A	**5133177**	BELT SET (2 BELTS) (37.00"L., W.)(P)		1			1			1				
10A	**5133175**	BELT SET (2 BELTS) (39.00"L., W.)							1					
10A	**5141704**	# BELT SET (2 BELTS) (49.00"L., W.)(P)										1		1
		# WHEN REPLACING BELT SET ON EARLY UNITS INCLUDE STRAP IN 7.1580 TO ASSURE INTERCHANGEABILITY.												
		7.1580 - STRAP, GENERATOR ADJUSTING												
	NPN	STRAP (CUSTOMER FURNISHED)		1										
10A	**5133284**	STRAP	1			1								
10A	**5131768**	STRAP			1		1			1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1097	1099	1104	1107	1112	1116	1118	1121	1123	1125	1127	1132
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
10A	5188793	STRAP							1					
10A	5141612	@ STRAP										1		1
10A	5133621	STRAP											1	
	180121	BOLT, 3/8"-16X7/8" (12.9001)					1							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1		1				1	1		1	1	1
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)										1		1
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)	2			2								
	181361	BOLT, 3/8"-24X7/8" (12.9001)			1		1			1				
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)							1					
	186317	BOLT, 3/8"-24X5" (12.9001)											1	
	5150230	WASHER (3/8" FLAT) (3.4120)	1		1		1		1	1		1		1
	103341	WASHER, 3/8" FLAT (12.9190)							1					
	5108435	WASHER (3/8") (12.4010)											1	
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR		AR	AR		AR	AR	AR
	117049	NUT, 3/8"-24 HEX. (12.9120)			1		1			1				
	-	@ WHEN REPLACING STRAP ON EARLY UNITS, INCLUDE BELT SET IN 7.1575 TO ASSURE INTERCHANGEABILITY.												
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5159347	SPACER (3/4"X1/2")										1		1
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5133283	BRACKET			1		1			1				
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)			2		2			2				
	103321	LOCKWASHER, 3/8" (12.9200)			2		2			2				
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
#	5129317	* GUARD										1		1
	451699	BOLT, 1/2"-13X6 1/4" (12.9001)										2		2
		# FIG. 10A OF 5.0000.												
		* OBSOLETE.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5108612	BRACKET										2		2
	5131202	* BRACKET										1		1
	5131201	BRACKET										2		2
	5131454	BRACKET (FRONT)											1	
	181333	BOLT, 5/16"-24X5/8" (12.9001)										3		3

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1097	1099	1104	1107	1112	1116	1118	1121	1123	1125	1127	1132
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD(CONT'D)												
	103320	LOCKWASHER, 5/16" (12.9200)										3		3
	114493	NUT, 5/16"-24 HEX. (12.9120)										3		3
		* OBSOLETE.												
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5131852	SPACER (1/2"X3 1/2")										2		2
		7.1595 - BRACKET, GENERATOR MOUNTING												
	NPN	BRACKET (CUSTOMER FURNISHED)						1						
	5131801 #	BRACKET (FRONT)	1	1	1	1	1			1	1			
	5130042	BRACKET (REAR)	1	1	1	1	1			1	1			
	5100300	BRACKT (FRONT)							1					
	5100299	BRACKT (REAR)							1					
	5130858	BRACKET										1		1
	5138053 @	BRACKET (FRONT)											1	
	5138052 @	BRACKET (REAR)											1	
	443603	BOLT, 1/4"-20X3/4" (12.9001)											2	
	186647	BOLT, 1/4"-20X1" (12.9001)	2	2	2	2	2			2	2			
	179839	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4	4	1		4	4	3	2	3
	5131478	BOLT (3/8"-24X6")						1	2					
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)											2	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1	1	1	1	1			1	1			
	120392	WASHER, 1/4" FLAT (12.9190)	2	2	2	2	2			2	2			
	5179709	WASHER, 1/4" COPPER											2	
	103341	WASHER, 3/8" FLAT (12.9190)	AR	AR	AR	AR	AR			AR	AR	AR		AR
	5152148	WASHER, 3/8" FLAT											2	
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR		AR			AR	AR			
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR		AR	AR	AR		AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR			AR	AR		AR	
	117049	NUT, 3/8"-24 HEX. (12.9120)						1	2					
		# NOT SERVICED, REPLACE WITH (1) 5135411 BRACKET ASSY. (FRONT), (1) 5134833 BRACKET (REAR) AND (2) 5164294 SPACER.												
		@ NOT SERVICED, REPLACE WITH (1) 5145144 BRACKET (REAR), (1) 5145154 BRACKET (FRONT) AND INCLUDE 1-451925 BOLT.												
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET	1	1	1	1	1			1	1		1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1097	1099	1104	1107	1112	1116	1118	1121	1123	1125	1127	1132
	7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET													
	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)						1						
	5160629	SPACER (13/32"X7/32") (4.2270)						2	2					
	7.1605 - REGULATOR ASSY., VOLTAGE													
	NPN	REGULATOR (CUSTOMER FURNISHED)		1	1	1								
@	**1118346**	* REGULATOR (24V., 20 AMP., INSL.)	1											
@@	**9000590**	* REGULATOR (12V., NEGATIVE GROUND)					1			1				
@@	**9000591**	* REGULATOR (24V., NEGATIVE GROUND)							1					
@	**9000593**	□ REGULATOR (32V., NEGATIVE GROUND)										1		1
	180082	BOLT, 5/16"-18X1 3/8" (12.9001)	4											
	103320	LOCKWASHER, 5/16" (12.9200)	4											
	120376	NUT, 5/16"-18 HEX. (12.9120)	4											
		@ FIG. 10B OF 8.0000.												
		□ OBSOLETE.												
	7.1606 - BRACKET, GENERATOR VOLTAGE REGULATOR MOUNTING													
	5134264	BRACKET	1											
	179837	BOLT, 3/8"-16X3/4" (12.9001)	2											
	103321	LOCKWASHER, 3/8" (12.9200)	2											
	7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR													
	1115841	* RELAY (12V.)					1			1				
	1115842	* RELAY (24V.)							1					
	1115843	* RELAY (32V.)										1		1
	7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR													
	1910966	MOUNTING ASSY. (SHOCK)							1		1	1		1
	7.1630 - WIRE ASSY., GENERATOR VOLTAGE REGULATOR													
	2985054	CABLE ASSY. (12V.)					1			1				
	2985057	CABLE ASSY. (24V.)							1					
	2985055	CABLE ASSY. (32V.)										1		1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1133	1134	1135	1138	1144	1145	1146	1147	1154	1164	1167
		7.1001 - GENERATOR ASSY.											
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.											
10A,B	**1117226**	* GENERATOR (24V., 30 AMP., C.W., GRD.)			1								
10A,B	**1117078**	@ GENERATOR (12V., 60 AMP., C.W., AC)	1										
10B	**1117076**	* GENERATOR (32V., 60 AMP., C.C.W., AC)		1				1					
10A,B	**1117058**	* GENERATOR (12V., 85 AMP., GRD.)				1	1						
10A,B	**1117142**	* GENERATOR (12V., 150 AMP., C.W., AC)							1				
10A,B	**1117080**	* GENERATOR (24V., 30 AMP., C.C.W.)									1		
10A,B	**1106824**	* GENERATOR (12V., 50 AMP., C.W., INSL.)										1	
	5134205	SPACER					1						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1									
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)		1									
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)						1			1		
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)			1			1			1		
	100030	BOLT, 3/8"-24X2" (12.9001)			1								
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)	1										
	100042	BOLT, 7/16"-20X2" (12.9001)	1									1	
	112518	BOLT, 7/16"-20X2 3/8" (12.9001)				1							
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)				1						1	
	181412	BOLT, 7/16"-20X3 1/4" (12.9001)					1						
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR			AR			AR		
	103322	LOCKWASHER, 7/16" (12.9200)	AR			AR	AR					AR	
	117049	NUT, 3/8"-24 HEX. (12.9120)			2			2			2		
	456939	NUT, 7/16"-20 HEX. (12.9120)	2			2						2	
		@ OBSOLETE											
		7.1440 - FAN, GENERATOR											
10A	**1910036**	* FAN AND BAFFLE							1				
10A	**1949548**	* FAN AND BAFFLE	1			1	1					1	
	132971	SCREW, #12-24X3/8" (CAD.) (12.9025)	4			4	4					4	
	106498	LOCKWASHER, #12 (12.9200)	4			4	4					4	
		7.1500 - PULLEY, GENERATOR											
10A	**5133562**	PULLEY (3.25" DIA., 1 GROOVE)	1						1				
10A	**5108701**	PULLEY (3.25" DIA., 2 GROOVE)	1				1		1				
10A	**5132527**	PULLEY (2.76" DIA., 2 GROOVE)		1				1					
10A	**5133310**	PULLEY (3.66" DIA., 2 GROOVE)				1						1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1133	1134	1135	1138	1144	1145	1146	1147	1154	1164	1167
		7.1500 - PULLEY, GENERATOR (CONT'D)											
10A	5133561	PULLEY (3.25" DIA., 1 GROOVE)			1								
10A	5133559	PULLEY (3.25" DIA., 1 GROOVE)									1		
		7.1505 - PULLEY, GENERATOR DRIVE											
1E	5122267	PULLEY (5.00" DIA., 1 GROOVE) (1.7605)	1		1								
1C	5133377	PULLEY (6.25" DIA., 2 GROOVE)				1				1			
1C	5132667	PULLEY (6.29" DIA., 2 GROOVE)		1									
1C	5133092 @	PULLEY (6.88" DIA., 2 GROOVE)						1					
	5122211	PULLEY (7.50" DIA., 1 GROOVE, 9" DIA., 2 GROOVE) (1.3280)							1				
1D	5100268	PULLEY (5.25" DIA., 1 GROOVE)									1		
1C	5134266	PULLEY (5.82" DIA., 2 GROOVE)										1	
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1		1								
1D	124548	KEY, 5/32"X3/4" WOODRUFF (12.9350)									1		
1C,D	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)						1					
1C	124543	KEY, 1/4"X1" WOODRUFF (12.9350)				1	1			1		1	
1E	180121	BOLT, 3/8"-16X7/8" (12.9001)	1		1								
1D	193321	BOLT, 7/16"-14X1 1/4" (12.9001)									1		
1E	5150230	WASHER, 3/8" FLAT X 1 3/16" (3.4120)	1		1								
1D	5132987	WASHER, 29/64"X1 1/2"X.34" (1.7605)									1		
1E	103321	LOCKWASHER, 3/8" (12.9200)	1		1								
1D	103322	LOCKWASHER, 7/16" (12.9200)									1		
1C	272906	NUT, 3/4"-16 HEX. LOCK (12.9120)				1	1	1		1		1	
		@ OBSOLETE.											
		7.1507 - DRIVE ASSY., GENERATOR											
		INCLUDES NUT AND KEY IN 7.1505, PLUS ITEMS IN 7.1510, 7.1515, 7.1520, 7.1535, 7.1540, 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7.1535 AND 7.1540.											
	5133747	DRIVE ASSY.				1	1			1		1	
1C	5127675 @	DRIVE ASSY.				1	1			1		1	
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)				1	1			1		1	
	179839	BOLT, 3/8"-16X1" (12.9001)				2	2			2		2	
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)				3	3			3		3	
	5131478	BOLT (3/8"-24X6")				1						1	
	103321	LOCKWASHER, 3/8" (12.9200)				7	5			5		7	
	117049	NUT, 3/8"-24 HEX. (12.9120)				1						1	
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE DRIVE ASSY. 5133747. FOR											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1113 3	1113 4	1113 5	1113 8	1114 4	1114 5	1114 6	1114 7	1115 4	1116 4	1116 7
		7.1507 - DRIVE ASSY., GENERATOR (CONT'D)											
		CONVERSION TO DOUBLE ROW BEARING DRIVE ASSY. USE KIT 5198175 IN 7.1507.											
		7.1510 - HUB, GENERATOR DRIVE PULLEY											
1C	5143234	HUB (1.7610)			1								
1D	5164286	HUB (1.7610)									1		1
1E	5117920	SHAFT (1.7640)	1		1								
1C	5143233	SHAFT (1.7640)				1	1			1		1	
1C	5122876	SHAFT (1.7640)						1					
1C	124543	KEY, 1/4"X1" WOODRUFF (12.9350)				1	1			1		1	
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)	3		3								
1E	5176474	BOLT (3/8"-24X1 1/8")									4		4
1E	103320	LOCKWASHER, 5/16" (12.9200)	3		3								
		7.1515 - SEAL, GENERATOR DRIVE OIL											
1C	5131329	SEAL (1.7670)						1					
	5102546	SEAL (1.7620)									1		1
	5150220	@ SEAL (3.4160)				1	1			1		1	
	5198174	@ # SLEEVE, OIL SEAL				1	1			1		1	
		@ PART OF ACCESSORY DRIVE SEAL KIT IN 7.1507.											
		# NOT PART OF DRIVE ASSY.											
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL											
		A RETAINER ASSY. INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1545.											
	5133683	RETAINER				1	1			1		1	
1C	5127674	@ RETAINER (1.7645)				1	1			1		1	
1C	5123116	+ RETAINER ASSY. (1.7645)						1					
1C	5102565	# RETAINER ASSY.									1		1
1C	179858	BOLT, 7/16"-14X1" (12.9001)						1					
1C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)						4					
1C	5150568	WASHER, 7/16" COPPER (2.4050)						1					
		@ NOT SERVICED; REPLACE WITH 5133747 DRIVE ASSY. IN 7.1507.											
		# INCLUDES SEAL IN 7.1515 ONLY.											
		+ NOT SERVICED; USE 5131130 SHAFT & 1-5131402 RETAINER ASSY.											
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER											
1C	5122227	GASKET (1.5060)				1	1			1		1	
1C	5117061	GASKET						1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1133	1134	1135	1138	1144	1145	1146	1147	1154	1164	1167
		7.1535 - BEARING, GENERATOR DRIVE											
1C	907187	BEARING (2.8830)				2	2			2		2	
	908002	@ BEARING (N.D. 55694L1C) (5.4332)				1	1			1		1	
1C	954469	+ BEARING (N.D. 3203L1A) (2.7470)						1					
		@ PART OF ACCESSORY DRIVE SEAL KIT IN 7.1507.											
		+ *OBSOLETE.*											
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING											
	5109129	@ SPACER (1.7665)				1	1			1		1	
	5133682	# SPACER (1.7665)				1	1			1		1	
		@ NOT SERVICED; USE KIT 5198175.											
		# *PART OF ACCESSORY DRIVE SEAL KIT* IN 7.1507.											
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
1C	274621	LOCKRING				1	1			1		1	
1C	5155783	LOCKRING (2 9/16" DIA.) (1.7650)						1					
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING											
1C	2136944	PLATE (12.4037)						1					
		7.1560 - COUPLING, GENERATOR DRIVE											
	5139545	*COUPLING (1.7635)*				1	1			1		1	
		7.1575 - BELT, GENERATOR DRIVE											
10A	5133516	BELT (38.00"L.,	1		1								
10A	5124246	BELT (41.50"L.,									1		
10A	5140927	BELT SET (2 BELTS) (28.00"L., W.)					1						
10A	5132386	BELT SET (2 BELTS) (31.00"L., W.)										1	
10A	5135298	*BELT SET (2 BELTS) (31.00"L., W.) (P)*				1							
10A	5133172	BELT SET (2 BELTS) (43.00"L., W.)(P)						1					
10A	5132591	BELT SET (2 BELTS) (46.00"L., W.) (P)		1									

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1133	1134	1135	1138	1144	1145	1146	1147	1154	1164	1167
		7.1580 - STRAP, GENERATOR ADJUSTING											
10A	**5131768**	STRAP	1										
10A	**5188793**	STRAP									1		
10A	**5133621**	STRAP					1						
10A	**5128546**	STRAP		1									
10A	**5135862**	STRAP			1								
10A	**5136028**	STRAP				1						1	
10A	**5111421**	STRAP						1					
10A	**5128020**	STRAP							1				
	5135571	SUPPORT (ADJUSTING STRAP) (7.1583)											
		BOLT, 3/8"-16X1" (12.9001)				1						1	
	179839	BOLT, 3/8"-16X1" (12.9001)				1						1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1	1	1	1		1			1	1	
	5157244	BOLT (3/8"-16X1 3/4") (4.9190)					1						
	181360	BOLT, 3/8"-24X3/4" (12.9001)				1						1	
	181361	BOLT, 3/8"-24X7/8" (12.9001)	1		1	1						1	
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)						1			1		
	5150230	WASHER (3/8" FLAT) (3.4120)	1	1	1			1			1		
	103341	WASHER, 3/8" FLAT (12.9190)									1		
	5108435	WASHER (3/8") (12.4010)				1						1	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR			AR	AR	
	117049	NUT, 3/8"-24 HEX. (12.9120)	1		1	1						1	
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP											
	5164294	SPACER (13/32"X7/8"X1/8")					1						
	5134205	SPACER (15/32"X41/64")					1						
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP											
	5133283	BRACKET	1		1								
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2		2								
	103321	LOCKWASHER, 3/8" (12.9200)	2		2								
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
	5128544	GUARD		1									
	5135623	GUARD						1					
	120628	BOLT, 1/4" (12.9001)		3				3					
	120392	WASHER, 1/4" FLAT (12.9190)		3				3					
	3844999	NUT (1/4"-28)		3				3					
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5144708	BRACKET (WBP)		1									
	5128536	BRACKET		1									
	5128537	BRACKET		1									

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1133	1134	1135	1138	1144	1145	1146	1147	1154	1164	1167
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD(CONT'D)											
	5128538	BRACKET (DRY BLOCK)		1									
	5135458	BRACKET						2					
	5121435	BRACKET						1					
	180120	BOLT, 3/8"-16X3/4" (12.9001)		1									
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)		1									
	181361	BOLT, 3/8"-24X7/8" (12.9001)						1					
	186312	BOLT, 3/8"-24X4" (12.9001)						1					
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)						1					
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)		1									
	103343	WASHER, 1/2" FLAT (12.9190)		2									
	103321	LOCKWASHER, 3/8" (12.9200)		2				1					
	103323	LOCKWASHER, 1/2" (12.9200)		1									
	117049	NUT, 3/8"-24 HEX. (12.9120)						1					
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5164789	SPACER (7/8"X13/32"X7/8") (5.4025)		1									
		7.1595 - BRACKET, GENERATOR MOUNTING											
	5131801 #	BRACKET (FRONT)	1		1								
	5130042	BRACKET (REAR)	1		1								
	5100300	BRACKET (FRONT)									1		
	5100299	BRACKET (REAR)									1		
	5138053 @	BRACKET (FRONT)				1	1			1		1	
	5138052 @	BRACKET (REAR)				1	1			1		1	
	5129910	BRACKET (FRONT)						1					
	5129909	BRACKET (REAR)						1					
	5100350	BRACKET							1				
	5130538	BRACKET		1									
	5160629	SPACER (4.2270)						2			2		
	444867	PLUG, 3/8" ALLEN HD. (12.9550)		1									
	443603	BOLT, 1/4"-20X3/4" (12.9001)				2	2			2		2	
	186647	BOLT, 1/4"-20X1" (12.9001)	2		2								
	179839	BOLT, 3/8"-16X1" (12.9001)	4		4	4	2			2		2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		4									
	5126695	BOLT (3/8"-24X5 1/2")						2			2		
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)					2			2		2	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1		1								
	120392	WASHER, 1/4" FLAT (12.9190)	2		2								
	5179709	WASHER, 1/4" COPPER				2	2			2			
	103341	WASHER, 3/8" FLAT (12.9190)	AR		AR								
	5152148	WASHER, 3/8" FLAT				2	2					2	
	116103	WASHER, 3/8" COPPER (12.9190)				AR							AR
	120380	LOCKWASHER, 1/4" (12.9200)	AR		AR					AR			

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1133	1134	1135	1138	1144	1145	1146	1147	1154	1164	1167
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)											
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR							
	103322	LOCKWASHER, 7/16" (12.9200)	AR		AR	AR	AR			AR			
	117049	NUT, 3/8"-24 HEX. (12.9120)						2			2		
		# NOT SERVICED, REPLACE WITH (1) 5135411 BRACKET ASSY. (FRONT), (1) 5134833 BRACKET (REAR) AND (2) 5164294 SPACER.											
		@ NOT SERVICED, REPLACE WITH (1) 5145144 BRACKET (REAR), (1) 5145154 BRACKET (FRONT) AND INCLUDE 1-451925 BOLT.											
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET											
	5122266	GASKET	1		1	1	1			1		1	
		7.1605 - REGULATOR ASSY., VOLTAGE											
@	9000590	* REGULATOR (12V., NEGATIVE GROUND)	1			1	1		1				
@	9000591	* REGULATOR (24V., NEGATIVE GROUND)			1						1		
@	9000593	□ REGULATOR (32V., NEGATIVE GROUND)		1				1					
@	1119661	* REGULATOR (12V., 50 AMP.)										1	
		@ FIG. 10B OF 8.0000.											
		□ OBSOLETE.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115841	* RELAY (12V.)	1			1	1						
	1115842	* RELAY (24V.)			1						1		
	1115843	* RELAY (32V.)		1				1					
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966	MOUNTING ASSY. (SHOCK)		1							1		
		7.1630 - WIRE ASSY., GENERATOR VOLTAGE REGULATOR											
	2985054	CABLE ASSY. (12V.)	1										
	2985057	CABLE ASSY. (24V.)			1						1		
	2985055	CABLE ASSY. (32V.)		1				1					

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1170	1173	1176	1177	1179	1185	1189	1198	1199	1203	1204	1209
		7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)	1											
10A,B	1117070	* GENERATOR (12V., 60 AMP., C.W., AC)					1							
10A,B	1117128	* GENERATOR (12V., 105 AMP., C.W., AC)						1			1			
	1117236	* GENERATOR (24V., 30 AMP., C.W., AC)							1					
10A,B	1117075	* GENERATOR (24V., 60 AMP., C.C.W., AC)		1		1								
10A,B	1117072	* GENERATOR (24V., 60 AMP., C.C.W., AC)			1							1		
10A,B	1117076	* GENERATOR (32V., 60 AMP., C.C.W., AC)											1	
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)			1	1								
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)		1									1	1
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			1	1								
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)		1			1					1	1	1
	100030	BOLT, 3/8"-24X2" (12.9001)					1					1		
	181381	BOLT, 3/8"-24X2 1/2" (12.9001)							2					
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)								2	2			
	112518	BOLT, 7/16"-20X2 3/8" (12.9001)						1						
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)						1						
	103321	LOCKWASHER, 3/8" (12.9200)			2	2	2		2				2	2
	103322	LOCKWASHER, 7/16" (12.9200)						2		2	2	2		
	117049	NUT, 3/8"-24 HEX. (12.9120)					2		2				2	2
	456939	NUT, 7/16"-20 HEX. (12.9120)						2				2		
		7.1440 - FAN, GENERATOR												
10A	1852643	* FAN AND BAFFLE						1						
	113904	SCREW, #12-24X7/16" RD. HD. (12.9025)						4						
	106498	LOCKWASHER, #12 (12.9200)						4						
		7.1500 - PULLEY, GENERATOR												
10A	5132527	PULLEY (2 5/8" DIA., 2 GROOVE) (1.7605)		1	1	1							1	
	5103300	PULLEY (2.76" DIA., 2 GROOVE)								1	1			
10A	5133560	PULLEY (3.24" DIA., 1 GROOVE)												1
10A	5133561	PULLEY (3.25" DIA., 1 GROOVE)					1					1		
10A	5108701	PULLEY (3.25" DIA., 1 GROOVE)	1											
10A	5133953	PULLEY (3.66" DIA., 2 GROOVE)							1					
10A	5133310	PULLEY (3.66" DIA., 2 GROOVE)						1						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1170	1173	1176	1177	1179	1185	1189	1198	1199	1203	1204	1209
		7.1505 - PULLEY, GENERATOR DRIVE												
1E	**5122267**	PULLEY (5.00" DIA., 1 GROOVE) (1.7605)	1									1		
	5103301	PULLEY (5.52" DIA., 2 GROOVE)								1	1			
1C	**5132667**	PULLEY (6.25" DIA., 2 GROOVE) (1.7605)					1							
1D	**5133377**	PULLEY (6.25" DIA., 2 GROOVE)						1	1					
	5129950	PULLEY (6.50" DIA., 1 GROOVE) (SD-162)												1
	5133092	# PULLEY (6.88" DIA., 2 GROOVE)		1									1	
	5130859	PULLEY (9.00" DIA., 2 GROOVE) (SD-52)			1	1								
1E	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1				1					1		
1C,D	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1						1	1		1	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)			3	3								
1E	**179838**	BOLT, 3/8"-16X7/8" (12.9001)					1					1		
1D	**180147**	BOLT, 7/16"-14X1 1/4" (12.9001)	1											
1E	**5150230**	WASHER, (3/8" FLAT)	1				1					1		
	103320	LOCKWASHER, 5/16" (12.9200)			3	3								
1E	**103321**	LOCKWASHER, 3/8" (12.9200)	1		1		1					1		
1C	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9120)		1				1	1	1	1		1	1
		# OBSOLETE.												
		7.1507 - DRIVE ASSY., GENERATOR												
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540, 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7.1535 AND 7.1540.												
1C	**5127675**	@ DRIVE ASSY. (1.7600)						1	1					
	5133747	DRIVE ASSY.						1	1					
	5198175	KEY, ACCESSORY DRIVE SEAL (1.7602)							1					
	179839	BOLT, 3/8"-16X1" (12.9001)						2	2					
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)						3	3					
	5131478	BOLT, (THRU) (3/8"-24X6")						1	1					
	103321	LOCKWASHER, 3/8" (12.9200)						AR	AR					
	117049	NUT, 3/8"-24 HEX. (12.9120)						1	1					
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE DRIVE ASSY. 5133747. FOR CONVERSION TO DOUBLE ROW BEARING DRIVE ASSY. USE KIT 5198175 IN 7.1507.												
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
	5143234	HUB (1.7610)						1	1					
1E	**5117920**	SHAFT (1.7640)	1				1					1		
1C	**5122876**	SHAFT (1.7640)		1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1170	1173	1176	1177	1179	1185	1189	1198	1199	1203	1204	1209
		7.1510 - HUB, GENERATOR DRIVE PULLEY (CONT'D)												
1C	5131130	SHAFT (1.7640)								1	1		1	1
	5143233	SHAFT						1	1					
	124543	KEY, 1/4"X1" WOODRUFF (12.9350)						2	2					
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)	3				3					3		
1E	103320	LOCKWASHER, 5/16" (12.9200)	3				3					3		
		7.1515 - SEAL, GENERATOR DRIVE OIL												
1C	5131329	SEAL (1.7660)		1							1		1	1
	5150220	@ SEAL							1					
	5177786	SEAL (1.7620)	1											
	5131131	SPACER, SEAL (1.7665)								1	1		1	1
	5198174	@ # SLEEVE, OIL SEAL							1					
		@ PART OF ACCESSORY DRIVE SEAL KIT IN 7.1507.												
		# NOT PART OF DRIVE ASSY.												
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
		A RETAINER ASSY. INCLUDES OIL SEAL IN 7.1515 AND ITEMS IN 7.1535 AND 7.1545.												
	5127674	@ RETAINER (1.7645)		1										
1D	5123116	+ RETAINER ASSY.		1										
1C	5131402	RETAINER ASSY. (1.7645)								1	1		1	1
1C	179858	BOLT, 7/16"-14X1" (12.9001)		1									1	1
1C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		4						4	4		4	4
1C	5150568	WASHER, 7/16" COPPER (2.4050)		1									1	1
		@ NOT SERVICED; REPLACE WITH 5133747 DRIVE ASSY. IN 7.1507.												
		+ NOT SERVICED; USE 5131130 SHAFT & 1-5131402 RETAINER ASSY.												
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
1C,D	5117061	GASKET (1.5040)		1									1	
1C	5122227	GASKET (1.5060)						1	1					
		7.1535 - BEARING, GENERATOR DRIVE												
1C	907187	BEARING (2.8830)						2	2					
1C	954469	+ BEARING (N.D. 3203L1A) (2.7470)		1										
	908002	@ BEARING (N.D. 55694L1C) (5.4332)						1	1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1170	1173	1176	1177	1179	1185	1189	1198	1199	1203	1204	1209
		7.1535 - BEARING, GENERATOR DRIVE (CONT'D)												
1C	**907191**	BEARING (N.D. 5602W) (1.7655)								1	1		1	1
		@ PART OF ACCESSORY DRIVE SEAL KIT IN 7.1507.												
		+ OBSOLETE.												
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING												
	5109129	@ SPACER						1	1					
	5133682	# SPACER (1.7665)						1	1					
		@ NOT SERVICED; USE KIT 5198175.												
		# PART OF ACCESSORY DRIVE SEAL KIT IN 7.1507.												
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING												
1C	**5155783**	LOCKRING (2 9/16" DIA.) (1.7650)		1										
1C	**274621**	LOCKRING						1	1					
1C	**9415285**	LOCKRING (2.7470)									1		1	1
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING												
1C	**2136944**	PLATE (12.4037)		1						1	1		1	1
1C	**5145092**	BOLT, 3/8"-20X1.20" SELF LOCK (12.5015)								4	4		4	4
		7.1560 - COUPLING, GENERATOR DRIVE												
	5139545	COUPLING (1.7635)						1	1					
		7.1575 - BELT, GENERATOR DRIVE												
10A	**5135298**	BELT SET (2 BELTS) (31.00"L.X.500" W.)						1	1					
10A	**5133516**	BELT (38.00"L.X.500"W.)	1				1					1		
10A	**5133175**	BELT (39.00"L.,								1	1			
10A	**5141704**	# BELT SET (2 BELTS) (50.00" L., .380" W.)			1	1								
10A	**9433888**	BELT (41.50"L.,												1
	5133172	BELT SET (2 BELTS) (43.00"L., W.) (COGGED) (7.1575)		1									1	
		# OBSOLETE.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1170	1173	1176	1177	1179	1185	1189	1198	1199	1203	1204	1209
		7.1580 - STRAP, GENERATOR ADJUSTING												
10A	5133284	STRAP	1											
	5111421	STRAP		1									1	1
	5141612	# STRAP			1	1								
10A	5131768	STRAP					1			1				
	5136028	STRAP						1						
10A	5121069	STRAP							1			1		
10A	5135759	STRAP								1				
	179839	BOLT, 3/8"-16X1" (12.9001)						1	2	2	2			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1	1	1	1			1		1	1	
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)			1	1								
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2											
	181360	BOLT, 3/8"-24X3/4" (12.9001)						1	1					
	181361	BOLT, 3/8"-24X7/8" (12.9001)										1		
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)		1									1	
	179858	BOLT, 7/16"-14X1" (12.9001)									1			
	5108435	WASHER (3/8") (12.4010)						1	1					
	5150230	WASHER, FLAT (3/8"X1 3/16") (3.4120)		1	1	1	1					1	1	
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)									1			
	117049	NUT, 3/8"-24 HEX. (12.9120)					1	1				1		
		# WHEN REPLACING STRAP OR BELT SET ON EARLY UNITS, INCLUDE NEW BELT IN 7.1575 AND NEW STRAP IN 7.1580 TO ASSURE INTERCHANGEABILITY.												
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164294	SPACER (13/32"X7/8"X1/8")								2	1			
	5159347	SPACER (3/4"O.D.X1/2")			1	1								
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5133283	BRACKET					1					1		
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)					2					2		
	103321	LOCKWASHER, 3/8" (12.9200)								1				
		7.1583 - SUPPORT, GENERATOR ADJUSTING STRAP												
	5135571	SUPPORT						1	1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1170	1173	1176	1177	1179	1185	1189	1198	1203	1204	1209
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
#	**5135623**	GUARD		1								1	
#	**5129317**	* GUARD			1	1							
	120628	BOLT, 1/4" (12.9001)		3								3	
	186659	BOLT, 1/2"-13X3 3/4" (12.9001)			2	2							
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)			2								
	181333	BOLT, 5/16"-24X5/8" (12.9001)			3	3							
	120392	WASHER, 1/4" FLAT (12.9190)		3								3	
	103320	LOCKWASHER, 5/16" (12.9200)			3	3							
	3844999	NUT (1/4"-28 RETAINING) (7.1587)		3								3	
		# FIG. 10A OF 5.0000.											
		* OBSOLETE.											
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5135458	BRACKET		2								2	
	5121435	BRACKET		1								1	
	5131202	@ BRACKET			1	1							
	5131201	BRACKET			2	2							
	5108612	BRACKET			2								
	181361	BOLT, 3/8"-24X7/8" (12.9001)		1								1	
	186312	BOLT, 3/8"-24X4" (12.9001)		1								1	
	186314	* BOLT, 3/8"-24X4 1/4" (12.9001)		1								1	
	117049	NUT, 3/8"-24 HEX. (12.9120)		1									
		* WITH MOUNTED AIR CLEANER.											
		@ OBSOLETE.											
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5131852	SPACER (1/2"X3 1/2")		2									
	5182452	SPACER (33/64"X7/8"X1 1/16") (2.9320)				2							
		7.1595 - BRACKET, GENERATOR MOUNTING											
	5137450	BRACKET (REAR)	1										
	5135411	BRACKET (FRONT)	1										
	5129909	BRACKET (REAR)		1								1	
	5129910	BRACKET (FRONT)		1								1	
	5130858	BRACKET			1	1							
	5131801	# BRACKET (FRONT)					1				1		
	5130042	BRACKET (REAR)					1				1		
	5138053	@ BRACKET (FRONT)						1	1				
	5138052	@ BRACKET (REAR)						1	1				
	5100300	BRACKET (FRONT)											1
	5134957	BRACKET (FRONT)								1	1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1170	1173	1176	1177	1179	1185	1189	1198	1199	1203	1204	1209
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	5135304	BRACKET (REAR)								1	1			
	5130578	BRACKET (REAR)												1
	454894	BOLT, 1/4"-20X3/4" (12.9001)							2					
	213546	BOLT, 1/4"-20X1" (12.9001)	2				2					2		
	180121	BOLT, 3/8"-16X7/8" (12.9001)					1					2		
	179839	BOLT, 3/8"-16X1" (12.9001)	4		3	3	2	2	2					
	5131478	BOLT, 3/8"-24 X 16" (12.9001)		2						1	2		2	2
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)						2	2					
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1				1							
	120392	WASHER, 1/4" FLAT (12.9190)	2				2					2		
	5179709	WASHER, 1/4" COPPER						2	2					
	103341	WASHER, 3/8" FLAT (12.9190)					2					2		
	5152148	WASHER (3/8" FLAT)						2	2					
	120380	LOCKWASHER, 1/4" (12.9200)	2				2					2		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR			AR	AR	AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)	AR				AR	AR	AR			AR		
	117049	NUT, 3/8"-24 HEX. (12.9120)		4						1	2		3	2
		# NOT SERVICED; REPLACE WITH 1-5135411 BRACKET ASSY. (FRONT), 1-5134833 BRACKET (REAR) AND 2-5164294 SPACERS.												
		@ NOT SERVICED; REPLACE WITH (1) 5145154 BRACKET (FRONT), (1) 5145144 BRACKET (REAR) AND INCLUDE 1-451925 BOLT.												
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET	1				1	1	1			1		
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5164294	SPACER (13/32"X7/8"X1/8")	2											
	5160629	SPACER (13/32"X7/32") (4.2270)		2						2	2		2	2
		7.1605 - REGULATOR ASSY., VOLTAGE												
@	9000591	* REGULATOR (24V., NEGATIVE GROUND)		1	1	1			1			1		
@	9000593	□ REGULATOR (32V., NEGATIVE GROUND)											1	
		□ OBSOLETE.												
		@ FIG. 108 OF 8.0000.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1116895	* RELAY (12V.)					1							
	1115842	* RELAY (24V.)		1	1	1			1			1		
	1115843	* RELAY (32V.)											1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1170	1173	1176	1177	1179	1185	1189	1198	1199	1203	1204	1209
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966 *	MOUNTING ASSY. (SHOCK)			1	1							1	
		7.1630 - WIRE ASSY., GENERATOR TO VOLTAGE REGULATOR												
	2985054	CABLE ASSY. (12V.)					1							
	2985057	CABLE ASSY. (24V.)		1	1	1			1			1		
	2985055	CABLE ASSY. (32V.)											1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12115	12116	12117	12118	12122	12224	12226	12228	12230	12231
		7.1001 - GENERATOR ASSY.										
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.										
	1117780	* GENERATOR (12V., 55 AMP., C.W./C.C.W., AC)						1				
	1117078	@ GENERATOR (12V., 60 AMP., C.W., AC)								1		1
	1117756	* GENERATOR (12V., 62 AMP., C.W./C.C.W., AC)				1						
10A,B	**1117128**	* GENERATOR (12V., 105 AMP., C.W., AC)							1			
10A,B	**1106867**	* GENERATOR (24V., 20 AMP., C.W., INSL.)	1								1	
	1117134	* GENERATOR (24V., 45 AMP., C.W., AC)		1								
	1117564	* GENERATOR (24V., 50 AMP., C.C.W., DC)			1							
	1117074	* GENERATOR (32V., 60 AMP., C.W., AC)					1					
	5164789	SPACER (13/32"X7/8") (5.4025)							2			
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)			1					1		
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)					1					
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)					1		2			
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)									1	
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)	1			1				1		1
	100042	BOLT, 7/16"-20X2" (12.9001)	1			1						
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)								1	1	1
	106631	BOLT, 7/16"-20X2 3/4" (12.9001)						2				
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)			2							
	103342	WASHER, 7/16" FLAT (12.9190)				1		1				
	103321	LOCKWASHER, 3/8" (12.9200)					2		2			
	103322	LOCKWASHER, 7/16" (12.9200)	2			3		2		2	2	2
	103325	LOCKWASHER, 5/8" (12.9200)			2							
	117049	NUT, 3/8"-24 HEX. (12.9120)					2		2			
	456939	NUT, 7/16"-20 HEX. (12.9120)	2			2		2			2	2
	102639	NUT, 5/8"-11 HEX. (12.9120)			2							
		@ OBSOLETE										
		7.1440 - FAN, GENERATOR										
10A	**1852643**	* FAN AND BAFFLE	1						1		1	
	1949548	* FAN AND BAFFLE								1		1
	1910089	* FAN			1							
	132971	SCREW, #12-24X3/8" RD. HD. (12.9025)								4		4
	113904	SCREW, #12-24X7/16" RD. HD. (12.9025)	4						4		4	
	180016	BOLT, 1/4"-20X1/2" (12.9001)			4							
	106498	LOCKWASHER, #12 (12.9200)	4						4	4	4	4
	120380	LOCKWASHER, 1/4" (12.9200)			4							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12116	12115	12116	12117	12118	12221	12224	12226	12228	12230	12231
		7.1500 - PULLEY, GENERATOR											
10A	5132527	PULLEY (2 5/8" DIA., 2 GROOVE) (1.7605)						1					
	5133093	PULLEY (2.76" DIA., 2 GROOVE)					1				1		
10A	5108701	PULLEY (3.25" DIA., 1 GROOVE)	1							1		1	1
10A	5133310	PULLEY (3.66" DIA., 2 GROOVE)							1				
	5122552 #	PULLEY (4" DIA., 2 GROOVE)				1							
	5133092 #	PULLEY (6.88" DIA., 2 GROOVE)						1					
		# OBSOLETE.											
		7.1505 - PULLEY, GENERATOR DRIVE											
	5133310	PULLEY (3.66" DIA., 2 GROOVE) (7.1500)			1								
1E	5122267	PULLEY (5.00" DIA., 1 GROOVE) (1.7605)	1									1	1
	5133091	PULLEY (5.00" DIA., 2 GROOVE)					1				1		
1D	5133377	PULLEY (6.25" DIA., 2 GROOVE)		1					1				
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1				1				1	1	1
1C,D	106751	KEY, 3/16"X3/4" WOODRUFF (12.9350)						1					
1E	180121	BOLT, 3/8"-16X7/8" (12.9001)	1				1				1	1	1
1E	5150230	WASHER, (3/8" FLAT)	1				1				1	1	1
1E	103321	LOCKWASHER, 3/8" (12.9200)	1				1				1	1	1
1C	272906	NUT, 3/4"-16 HEX. LOCK (12.9120)		1	1			1	1				
		7.1507 - DRIVE ASSY., GENERATOR											
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540, 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7.1535 AND 7.1540.											
1C	5127675 @	DRIVE ASSY. (1.7600)		1	1				1				
	5133747	DRIVE ASSY.		1	1				1				
	5198175	KEY, ACCESSORY DRIVE SEAL (1.7602)		1	1			1	1				
	179839	BOLT, 3/8"-16X1" (12.9001)		2	2				2				
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)		3	3				3				
	5131478	BOLT, (THRU) (3/8"-24X6")		1	1				1				
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR				AR				
	117049	NUT, 3/8"-24 HEX. (12.9120)		1	1				1				
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE DRIVE ASSY. 5133747. FOR CONVERSION TO DOUBLE ROW BEARING DRIVE ASSY. USE KIT 5198175 IN 7.1507.											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12116	12115	12116	12117	12118	12221	12224	12226	12228	12230	12231
		7.1510 - HUB, GENERATOR DRIVE PULLEY											
	5143234	HUB (1.7610)		1	1				1				
1E	5117920	SHAFT (1.7640)	1				1				1	1	1
1C	5131130	SHAFT (1.7640)						1					
	5143233	SHAFT		1	1				1				
	124543	KEY, 1/4"X1" WOODRUFF (12.9350)		2	2				2				
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)	3				3				3	3	3
1E	103320	LOCKWASHER, 5/16" (12.9200)	3				3				3	3	3
		7.1515 - SEAL, GENERATOR DRIVE OIL											
1C	5131329	SEAL (1.7660)						1					
	5150220 @	SEAL		1	1			1	1				
	5177786	SEAL (1.7620)										1	
	5131131	SPACER, SEAL (1.7665)						1					
	5198174 @	SLEEVE, OIL SEAL		1	1			1	1				
		@ PART OF ACCESSORY DRIVE SEAL KIT IN 7.1507.											
		# NOT PART OF DRIVE ASSY.											
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL											
		A RETAINER ASSY. INCLUDES OIL SEAL IN 7.1515 AND ITEMS IN 7.1535 AND 7.1545.											
1C	5131402	RETAINER ASSY. (1.7645)						1					
1C	179858	BOLT, 7/16"-14X1" (12.9001)						1					
1C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)						4					
1C	5150568	WASHER, 7/16" COPPER (2.4050)						1					
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER											
1C,D	5117061	GASKET (1.5040)						1					
1C	5122227	GASKET (1.5060)		1					1				
		7.1535 - BEARING, GENERATOR DRIVE											
1C	907187	BEARING (2.8830)		2	2				2				
	908002 #	BEARING (N.D. 55694L1C) (5.4332)		1	1				1				
1C	907191	BEARING (N.D. 5602W) (1.7655)						1					
		# PART OF ACCESSORY DRIVE SEAL KIT IN 7.1507.											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12115	12156	12167	12178	12221	12224	12266	12288	12301	12311
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING										
	5109129	@ SPACER		1	1			1				
	5133682	# SPACER (1.7665)		1	1			1				
		@ NOT SERVICED; USE KIT 5198175.										
		# PART OF ACCESSORY DRIVE SEAL KIT IN 7.1507.										
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING										
1C	**274621**	LOCKRING		1	1		1					
1C	**9415285**	LOCKRING (2.7470)					1					
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING										
1C	**2136944**	PLATE (12.4037)					1					
		7.1560 - COUPLING, GENERATOR DRIVE										
	5139545	COUPLING (1.7635)		1				1				
		7.1575 - BELT, GENERATOR DRIVE										
10A	**5135298**	BELT SET (2 BELTS) (31.00"L.X. 500"W.)		1				1				
10A	**5133177**	BELT SET (2 BELTS) (37.00"L.X. 380"W.)				1				1		
10A	**5133516**	BELT (38.00"L.X.500"W.)	1								1	1
10A	**5133519**	BELT (42.00"L.,							1			
10A	**5126764**	BELT SET (2 BELTS) (44.80"L., .500"W.)			1							
	5133172	BELT SET (2 BELTS) (43.00"L., .380"W.) (COGGED) (7.1575)					1					
		7.1580 - STRAP, GENERATOR ADJUSTING										
10A	**5133284**	STRAP	1								1	
	5111421	STRAP					1					
10A	**5131768**	STRAP				1				1		1
	5136028	STRAP						1				
10A	**5122550**	STRAP			1							
10A	**5128884**	STRAP							1			
	180121	BOLT, 3/8"-16X7/8" (12.9001)				1		1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12117	12156	12167	12181	12214	12226	12228	12230	12231
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1				1	1		1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						1			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2							2	
	114926	@ BOLT, 3/8"-16X4 1/4" (12.9001)						1			
	9418964	BOLT, 3/8"-16X5" (12.9001)						1			
	181361	BOLT, 3/8"-24X7/8" (12.9001)							1		1
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)				1					
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)					1				
	186317	BOLT, 3/8"-24X5" (12.9001)						1			
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)			1						
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)			1						
	5108435	WASHER (3/8") (12.4010)						1			
	103341	WASHER, 3/8" FLAT (12.9190)	1			1				1	
	5150230	WASHER, FLAT (3/8"X1 3/16") (3.4120)	1				1		1	1	1
	120396	WASHER, 17/32" FLAT (12.9190)			1						
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)			1						
	103323	LOCKWASHER, 1/2" (12.9200)			1						
	102635	NUT, 3/8"-16 HEX. (12.9120)						1			
	117049	NUT, 3/8"-24 HEX. (12.9120)				1			1		1
		@ WITH FRONT COVER.									
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP									
	5164294	SPACER (13/32"X7/8"X1/8")						2	1		
	5174085	SPACER (5/32"X13/16"X3/8") (2.7960)							2		
	5157412	SPACER (7/8"X1/4") (7.4013)				1					
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP									
	5133283	BRACKET				1			1		1
	5122554	BRACKET			1						
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)				1			2		2
	186627	BOLT, 3/8"-24X1" (12.9001)			1						
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)			1						
	103321	LOCKWASHER, 3/8" (12.9200)			2						
		7.1583 - SUPPORT, GENERATOR ADJUSTING STRAP									
	5135571	SUPPORT						1			
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY									
#	5135623	GUARD					1				
#	5123739	GUARD			1						
#	5182577	GUARD			1						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12111	12115	12116	12117	12118	12121	12124	12126	12128	12230	12231
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY (CONT'D)											
	113959	SCREW, 1/4"-20X1" (12.9025)				1							
	120628	BOLT, 1/4" (12.9001)				1		3					
	120392	WASHER, 1/4" FLAT (12.9190)				3		3					
	120375	NUT, 1/4"-20 HEX. (12.9120)				1							
	3844999	NUT (1/4"-28 RETAINING) (7.1587) # FIG. 10A OF 5.0000.				1		3					
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5135458	BRACKET						2					
	5121435	BRACKET						1					
	5123738	BRACKET				1							
	5144708	BRACKET				1							
	5123736	BRACKET				1							
	454745	SCREW, 1/4"-28X1/2" (12.9025)				2							
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)				1							
	181361	BOLT, 3/8"-24X7/8" (12.9001)						1					
	5121466	BOLT, 3/8"-24X3 7/8" (12.9001)						1					
	186312	BOLT, 3/8"-24X4" (12.9001)						1					
	186314	* BOLT, 3/8"-24X4 1/4" (12.9001)						1					
	103321	LOCKWASHER, 3/8" (12.9200)						1					
	5123531	NUT, 1/4"-28 RETAINER				2							
	117049	NUT, 3/8"-24 HEX. (12.9120) * WITH MOUNTED AIR CLEANER.						1					
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5164789	SPACER (7/8"X13/32"X7/8") (5.4025)				1							
		7.1595 - BRACKET, GENERATOR MOUNTING											
	5137450	BRACKET (REAR)									1	1	1
	5135411	BRACKET (FRONT)									1	1	1
	5129909	BRACKET (REAR)						1					
	5129910	BRACKET (FRONT)						1					
	5131801	# BRACKET (FRONT)	1				1						
	5130042	BRACKET (REAR)	1				1						
	5138053	@ BRACKET (FRONT)		1					1				
	5138052	@ BRACKET (REAR)		1					1				
	5122548	BRACKET				2							
	5128885	BRACKET								1			
	5164294	SPACER, 13/32"X7/8"X1/8"								1			
	454894	BOLT, 1/4"-20X3/4" (12.9001)							2				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12111	12115	12116	12117	12118	12121	12124	12126	12128	12230	12231
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)											
	213546	BOLT, 1/4"-20X1" (12.9001)	2	2			2				2	2	2
	180121	BOLT, 3/8"-16X7/8" (12.9001)					2				2		2
	179839	BOLT, 3/8"-16X1" (12.9001)					2		2		2		2
	179839	BOLT, 3/8"-16X1" (12.9001)	4	4								4	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				4							
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								2			
	5131478	BOLT (3/8"-24X6")						2					
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)		2					2				
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1				1			2	1	1	2
	120392	WASHER, 1/4" FLAT (12.9190)	2				2				2		2
	5179709	WASHER, 1/4" COPPER		2					2			2	
	103341	WASHER, 3/8" FLAT (12.9190)	2				2						
	5152148	WASHER (3/8" FLAT)		2									
	5108436	WASHER (7/16")								2			
	120380	LOCKWASHER, 1/4" (12.9200)	2				2				2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR	AR			AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR			AR		AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 HEX. (12.9120)						4					
		# NOT SERVICED, REPLACE WITH 1-5135411 BRACKET ASSY. (FRONT), 1-5134833 BRACKET (REAR) AND 2-5164294 SPACERS.											
		@ NOT SERVICED, REPLACE WITH (1) 5145154 BRACKET (FRONT), (1) 5145144 BRACKET (REAR) AND INCLUDE 1-451925 BOLT.											
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET											
	5122266	GASKET	1	1			1		1		1	1	1
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET											
	5164294	SPACER (13/32"X7/8"X1/8")				4				2	2	2	2
	5160629	SPACER (13/32"X7/32") (4.2270)						2					
		7.1605 - REGULATOR ASSY., VOLTAGE											
@	9000590	* REGULATOR (12V., NEGATIVE GROUND)					1		1	1	1		1
@	1119185	* REGULATOR (24V., 20 AMP., NEG. RETURN)	1									1	
@	1118555	* REGULATOR (24V., 50 AMP., NEG. INSL.)				1							
@	9000593	□ REGULATOR (32V., NEGATIVE GROUND)						1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12111	12115	12116	12117	12118	12121	12124	12126	12128	12130	12131
		7.1605 - REGULATOR ASSY., VOLTAGE (CONT'D)											
		@ FIG. 10B OF 8.0000.											
		□ OBSOLETE.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1116895	* RELAY (12V.)					1		1	1	1		1
	1115843	* RELAY (32V.)						1					
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966	* MOUNTING ASSY. (SHOCK)	1					1		1	1	1	1
	5173127	* MOUNTING ASSY. (SHOCK)				4							
	120393	WASHER, FLAT 5/16" (12.9190)				8							
	120214	LOCKWASHER, 5/16" (12.9200)				8							
	120376	NUT, 5/16"-18 HEX. (12.9120)				8							
		7.1630 - WIRE ASSY., GENERATOR TO VOLTAGE REGULATOR											
	2985054	CABLE ASSY. (12V.)					1		1	1	1		1
	2985055	CABLE ASSY. (32V.)						1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12361	12381	12391	12401	12431	12451	12461	12471	12501	12511	12621	12631
	7.1001 - GENERATOR ASSY.													
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)												1
	1106824	* GENERATOR (12V., 50 AMP., C.W.,)									1		1	
	1117077	* GENERATOR (12V., 50 AMP., C.C.W., GRD.)										1		
	1117781	* GENERATOR (12V., 62 AMP., C.W./ C.C.W., GRD.)				1								
	1117142	* GENERATOR (12V., 105 AMP., C.W., AC)			1									
	1117786	* GENERATOR (24V., 30 AMP., AC., GRD.)								1				
	1117478	* GENERATOR (24V., 40 AMP., C.W.)		1										
	1117134	* GENERATOR (24V., 45 AMP., C.W., AC)					1							
	5180733	SPACER (33/64"X11/16") (7.4460)		1										
	112518	BOLT, 7/16"-20X1 3/8" (12.9001)												1
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)									1			
	181672	BOLT, 7/16"-20X1 3/4" (12.9001)								1				
	100042	BOLT, 7/16"-20X2" (12.9001)			1			1	1				1	
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)								1	1			
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)			1	1		1	1				1	1
	106631	BOLT, 7/16"-20X2 3/4" (12.9001)				1								
	443615	BOLT, 1/2"-20X2" (12.9001)		1										
	5131913	WASHER, 13/16X29/64X5/32" SPL.						1						
	103322	LOCKWASHER, 7/16" (12.9200)				2		2	2	2	2		2	2
	178591	LOCKWASHER, 1/2" (12.9220)		2										
	456939	NUT, 7/16"-20 HEX. (12.9120)				2		2	2	2	2		2	2
	103028	NUT, 1/2"-20 HEX. (12.9120)		2										
	7.1440 - FAN, GENERATOR													
	1960460	FAN AND PULLEY ASSY.		1										
	1852643	* FAN AND BAFFLE ASSY.			1				1		1			
	1949548	* FAN AND BAFFLE ASSY.											1	
	132971	SCREW, #12-24X3/8" RD. HD. (12.9025)			4								4	
	113904	SCREW, #12-24X7/8" RD. HD. (12.9025)							4		4			
	5179709	WASHER, 17/64"X1/2"X.065" (2.7175)											2	
	103322	LOCKWASHER, 7/16" (12.9200)											2	
	106498	LOCKWASHER, #12 (12.9200)			4				4		4		4	
	7.1500 - PULLEY, GENERATOR													
	5133563	PULLEY (2.76" DIA., 2 GROOVE)			1									
	5133093	PULLEY (2.76" DIA., 2 GROOVE)						1		1				
	5132527	PULLEY (2.76" DIA., 2 GROOVE)										1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12361	12381	12391	12401	12431	12451	12461	12471	12501	12511	12621	12631
		7.1500 - PULLEY, GENERATOR (CONT'D)												-
	5108701	PULLEY (3.25" DIA., 1 GROOVE)							1		1			
	5133310	PULLEY (3.66" DIA., 2 GROOVE)				1							1	1
		7.1505 - PULLEY, GENERATOR DRIVE												
1E	5134266	PULLEY											1	
1E	5122267	PULLEY (5.00" DIA., 1 GROOVE) (1.7605)		1					1		1			
	5133091	PULLEY (5.00" DIA., 2 GROOVE)						1		1				
1F	5133377	PULLEY (6.25" DIA., 2 GROOVE)	1			1								1
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)		1				1	1	1	1			
1E	180121	BOLT, 3/8"-16X7/8" (12.9001)		1				1	1	1	1			
1E	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										2		
1E	5150230	WASHER (3/8"X13/16") (3.4120)		1				1	1	1	1			
1E	103321	LOCKWASHER, 3/8" (12.9200)		1				1		1	1	1		
1C	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)	1			1							1	1
		7.1507 - DRIVE ASSY., GENERATOR												
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1515, 7.1520, 7.1535, 7.1540, AND 7.1545. A KIT INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1540.												
*E	5133747	DRIVE ASSY. (1.7600)	1			1							1	1
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)	1			1							1	1
	179839	BOLT, 3/8"-16X1" (12.9001)	2			2							2	2
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)	4			4							3	3
	5131478	BOLT (THRU) 3/8"-24X6" (12.4010)											1	
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR							AR	
	117049	NUT, 3/8"-24 HEX. (12.9120)											1	1
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
1F	5143234	HUB (1.7610)	1			1							1	1
1F	5143233	SHAFT (1.7640)	1			1							1	1
1E	5117920	SHAFT (1.7640)		1				1	1	1	1		2	2
1F	124543	KEY, 1/4"X1" WOODRUFF (12.9350)	2			2								
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)		3				3	3	3	3			
1E	103320	LOCKWASHER, 5/16" (12.9200)		3				3	3	3	3			
		7.1515 - SEAL, GENERATOR DRIVE OIL												
1F	5138710	SEAL (3.4160)	1			1							1	1
	5177786	SEAL (1.7620)		1				1	1	1	1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12361	12381	12391	12401	12431	12451	12461	12471	12501	12511	12621	12631
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
		A RETAINER ASSY. INCLUDES OIL SEAL IN 7.1515 AND ITEMS IN 7.1535 AND 7.1545.												
1F	**5133683**	RETAINER (1.7645)	1			1							1	1
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
1F	**5122227**	GASKET (1.5060)	1			1							1	1
		7.1535 - BEARING, GENERATOR DRIVE												
1F	**908002**	BEARING (N.D. 55694L1C) (5.4332)	1			1							1	1
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING												
1F	**5133682**	SPACER (1.7665)	1			1							1	1
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING												
1C	**274821**	LOCKRING	1			1							1	1
		7.1560 - COUPLING, GENERATOR DRIVE												
	5139545	COUPLING (12.5010)	1			1							1	1
		7.1575 - BELT, GENERATOR DRIVE												
	5135298	BELT (31.00"L.)				1							1	1
	5133516	BELT (38.00"L.)							1		1			
	5109059	BELT (40.00"L.)		1										
	5133177	BELT SET (2 BELTS) (37.00"L., .380"W.)								1				
	5133176	BELT SET (2 BELTS) (38.00"L., .380"W.)			1									
	5132591	BELT SET (2 BELTS) (46.00"L., .380"W.)										1		
		7.1580 - STRAP, GENERATOR ADJUSTING												
	5124218	STRAP		1							1			
1F	**5136028**	STRAP				1							1	
	5131768	STRAP						1	1	1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12361	12381	12391	12404	12434	12455	12466	12477	12505	12551	12662	12663
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	5128546	STRAP										1		
1F	5133621	STRAP												1
	5135571	SUPPORT (ADJUSTING STRAP) (5.1583)				1							1	
	179839	BOLT, 3/8"-16X1" (12.9001)				1						1	1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1		1		1	1	1	1		1	
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)		2										
	181361	BOLT, 3/8"-24X7/8" (12.9001)							1					
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)						1						
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)								1				
	186317	BOLT, 3/8"-24X5" (12.9001)												1
	5150230	WASHER, 3/8" FLAT (3.4120)		1						1	1	1		
	5108435	WASHER, 3/8" (12.4010)				1							1	1
	103341	WASHER, 3/8" (12.9190)						1						
	5132147	WASHER, 13/32"X1.06"X.20" SPL.						1	1					
	178551	LOCKWASHER, 3/8" (12.9200)		3										
	103321	LOCKWASHER, 3/8" (12.9200)				AR		AR	AR	AR	AR	AR	AR	AR
	102635	NUT, 3/8"-16 HEX. (12.9120)				1							1	
	117049	NUT, 3/8"-24 HEX. (12.9120)							1	1				
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164789	SPACER (13/32"X7/8") (5.4025)						1	1					
	5159347	SPACER (3/4"X1/2")								1				
	5157412	SPACER (7/8"X1/4") (7.4013)				1								
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5133283	BRACKET		1				1	1	1				
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)						2	2	2				
	181361	BOLT, 3/8"-24X7/8" (12.9001)		1										
	178551	LOCKWASHER, 3/8" (12.9200)		1										
	117049	NUT, 3/4"-24 HEX. (12.9120)		1				1						
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5128544	GUARD										1		
	120628	BOLT, 1/4" (12.9001)										3		
	120392	WASHER, 1/4" FLAT (12.9190)										3		
	3844999	NUT, 1/4"-28 RETAINING										3		
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5128536	BRACKET										1		
	5144708	BRACKET (WBP BLOCK)										1		
	5128537	BRACKET										1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12361	12381	12391	12401	12431	12451	12461	12471	12501	12511	12621	12631
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD(CONT'D)												
	5128538	BRACKET (DRY BLOCK)										1		
	180120	BOLT, 3/8"-16X3/4" (12.9001)										1		
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)										1		
	180176	BOLT, 1/2"-13X1 5/8" (12.9001)										1		
	103321	LOCKWASHER, 3/8" (12.9200)										2		
	103323	LOCKWASHER, 1/2" (12.9200)										1		
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5164789	SPACER (7/8"X13/32"X7/8") (5.4025)										1		
		7.1595 - BRACKET, GENERATOR MOUNTING												
	5136156	BRACKET (REAR)		1										
	5130735 @	BRACKET (REAR)				1							1	1
	5137450	BRACKET (REAR)						1	1	1	1			
1A	5131454 @	BRACKET (FRONT)				1							1	1
	5130538	BRACKET, GENERATOR										1		
	5136222	BRACKET AND TUBE ASSY.		1										
	5135411	BRACKET & TUBE ASSY.						1	1	1	1			
	444867	PLUG, 3/8" ALLEN HD. (12.9550)										1		
	180121	BOLT, 1/4"-20X7/8" (12.9001)				2							2	2
	186647	BOLT, 1/4"-20X1" (12.9001)		2				2	2	2	2			
	179838	BOLT, 3/8"-16X7/8" (12.9001)										4		
	179839	BOLT, 3/8"-16X1" (12.9001)		4		2		4	4	4	4		2	2
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)				2							2	2
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		1				1	1	1	1			
	5179241	WASHER, 1/4" (2.7175)				2								
	5179709	WASHER, 1/4" COPPER (2.7175)						2	2		2			
	5152148	WASHER, 3/8" (2.4050)				2								2
	120392	WASHER, 9/32" (12.9190)		2						2				
	120380	LOCKWASHER, 1/4" (12.9200)								2	2		2	2
	174916	LOCKWASHER, 1/4" (12.9215)		2										
	178551	LOCKWASHER, 3/8" (12.9215)		4										
	103321	LOCKWASHER, 3/8" (12.9200)				AR		AR	AR	AR	AR	AR		
	178571	LOCKWASHER, 7/16" (12.9215)		1										
	103322	LOCKWASHER, 7/16" (12.9200)								AR	AR			AR
		@ NOT SERVICED, REPLACE WITH 1-5145144 BRACKET (REAR), 1-5145154 BRACKET (FRONT) AND INCLUDE 1-451925 BOLT.												
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET		1		1		1	1	1	1		1	1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1236	1238	1239	1240	1243	1245	1246	1247	1250	1251	1262	1263
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5164294	SPACER (13/32"X7/8") (7.1581)		2				2	2	2	2			
		7.1605 - REGULATOR ASSY., VOLTAGE												
	9000590 *	REGULATOR (12V., NEGATIVE GROUND)			1	1						1		
	1119200 *	REGULATOR (12V., 50 AMP., NEG. GRD.)									1			
	1119661 *	REGULATOR (12V., 50 AMP., NEG. GRD.)											1	
	1118558 *	REGULATOR (24V., 40 AMP., NEG. GRD.)		1										
	9000591 *	REGULATOR (24V., NEGATIVE GROUND)								1				
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841 *	RELAY (12V.)			1	1						1		
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966 *	MOUNTING ASSY. (SHOCK)			1	1				1				
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985054 +	CABLE ASSY. (12V.)			1	1								
	5127219	CABLE ASSY. (24V.)		1										
	518790R	STRAP, GROUND		1										
	517997[illegible]	SPRING ASSY., MOUNT		4										
	178532	LOCKWASHER, 5/16" (12.9200)		10										
	120376	NUT, 5/16"-18 HEX. (12.9120)		8										

+ EFFECTIVE WITH 6VA-23571, 8VA-12851; TYPES 837, 897, 919, 923, 927 REQUIRE 1-1116895 RELAY.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12651	12667	12668	12671	12673	12679	12680	12681	12682	12684	12686
		7.1001 - GENERATOR ASSY.											
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.											
	NPN	GENERATOR (CUSTOMER FURNISHED)		1	1					1		1	1
1B	1102288	* GENERATOR (12V., 25 AMP., C.C.W., GRD.)	1										
1F	1117058	* GENERATOR (12V., 85 AMP., GRD., AC)				1							
	1106868	* GENERATOR (24V., 20 AMP., C.C.W., INSL.)									1		
1F	1117072	* GENERATOR (24V., 60 AMP., C.W., AC)							1				
1A	1117076	* GENERATOR (32V., 60 AMP., C.C.W., AC)					1						
1A	1117074	* GENERATOR (32V., 60 AMP., C.W., AC)						1					
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)	2										
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)					1	1					
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)					1	1					
	100030	BOLT, 3/8"-24X2" (12.9001)							1				
	181381	BOLT, 3/8"-24X2 1/2" (12.9001)							1				
	112518	BOLT, 7/16"-20X1 3/8" (12.9001)				1							
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)									2		
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)											1
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)											1
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)				1							
	103320	LOCKWASHER, 5/16" (12.9200)	2										
	103321	LOCKWASHER, 3/8" (12.9200)					2	2	2				
	103322	LOCKWASHER, 7/16" (12.9200)				2					2		2
	114493	NUT, 5/16"-24 HEX. (12.9120)	2										
	117049	NUT, 3/8"-24 HEX. (12.9120)							2				
	456939	NUT, 7/16"-20 HEX. (12.9120)				2					2		
		* PROCURE FROM UNITED DELCO.											
		7.1440 - FAN, GENERATOR											
	1852643	* FAN AND BAFFLE ASSY.									1		1
	1949548	* FAN AND BAFFLE ASSY.				1							
	1866400	* FAN	1										
	132971	SCREW, #12-24X3/8" RD. HD. (12.9025)				4							
	113904	SCREW, #12-24X7/8" RD. HD. (12.9025)									4		4
	106498	LOCKWASHER, #12 (12.9200)				4					4		4
		* PROCURE FROM UNITED DELCO.											
		7.1470 - BAFFLE, GENERATOR FAN											
	1877887	* BAFFLE	1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12865	12867	12868	12871	12873	12879	12880	12881	12882	12884	12886
		7.1500 - PULLEY, GENERATOR											
	5132527	PULLEY (2.76" DIA., 2 GROOVE)					1	1					
	5133560	PULLEY (3.24" DIA., 1 GROOVE)									1		
	5108701	PULLEY (3.25" DIA., 1 GROOVE)											1
	5133310	PULLEY (3.66" DIA., 2 GROOVE)				1							
	5133953	PULLEY (3.66" DIA., 2 GROOVE)							1				
	5133559	PULLEY (3.24" DIA., 1 GROOVE)	1										
		7.1505 - PULLEY, GENERATOR DRIVE											
1E	5122267	PULLEY (5.00" DIA., 1 GROOVE) (1.7605)								1		1	1
	5130019	PULLEY (5.00" DIA., 1 GROOVE)									1		
1F	5133377	PULLEY (6.25" DIA., 2 GROOVE)			1	1			1				
1A	5145390	PULLEY (9.00" DIA., 2 GROOVE)					1	1					
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)								1		1	1
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)									1		
	180120	BOLT, 3/8"-16X3/4" (12.9001)					3	3					
1E	180121	BOLT, 3/8"-16X7/8" (12.9001)								1		1	1
1E	5150230	WASHER (3/8"X13/16") (3.4120)								1		1	1
1E	103321	LOCKWASHER, 3/8" (12.9200)					1	1		1		1	1
1C	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)			1	1			1		1		
		7.1507 - DRIVE ASSY., GENERATOR											
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1515, 7.1520, 7.1535, 7.1540, AND 7.1545. A KIT INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1540.											
1F	5133747	DRIVE ASSY. (1.7600)			1	1			1				
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)			1	1			1				
	179839	BOLT, 3/8"-16X1" (12.9001)			2	2			2				
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)				3			3				
	186317	BOLT, 3/8"-24X5" (12.9001)			3								
	5131478	BOLT (THRU) 3/8"-24X6" (12.4010)				1			1				
	103341	WASHER, 3/8" (12.9190)			3								
	103321	LOCKWASHER 3/8" (12.9200)			AR	AR			AR				
	117049	NUT, 3/8"-24 HEX. (12.9120)				1			1				
		7.1510 - HUB, GENERATOR DRIVE PULLEY											
1F	5143234	HUB (1.7610)			1	1			1				
1F	5143233	SHAFT (1.7640)			1	1			1				
1E	5117920	SHAFT (1.7640)								1		1	1
1C	5131130	SHAFT (1.7640)									1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12651	12667	12688	12711	12733	12799	12810	12811	12822	12844	12866
		7.1510 - HUB, GENERATOR DRIVE PULLEY (CONT'D)											
1F	124543	KEY, 1/4"X1" WOODRUFF (12.9350)			2	2			2				
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)								3		3	3
1E	103320	LOCKWASHER, 5/16" (12.9200)								3		3	3
		7.1515 - SEAL, GENERATOR DRIVE OIL											
1F	5138710	SEAL (3.4160)			1	1			1				
	5131329	SEAL (1.7660)									1		
	5177786	SEAL (1.7620)								1		1	1
	5131131	SPACER, OIL SEAL (1.7665)									1		
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL											
		A RETAINER ASSY. INCLUDES OIL SEAL IN 7.1515 AND ITEMS IN 7.1535 AND 7.1545.											
1F	5133683	RETAINER (1.7645)			1	1			1				
1C	5131402	RETAINER ASSY.									1		
	179882	BOLT, 1/2"-13X1 1/2" (12.9001)									4		
	103323	LOCKWASHER, 1/2" (12.9200)									4		
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER											
1F	5122227	GASKET (1.5060)			1	1			1				
		7.1535 - BEARING, GENERATOR DRIVE											
1C	907191	BEARING (N.D. 5602W) (1.7655)									1		
1F	908002	BEARING (N.D. 55694L1C) (5.4332)			1	1			1				
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING											
1F	5133682	SPACER (1.7665)			1	1			1				
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
1C	274621	LOCKRING			1	1			1				
1C	9415285	LOCKRING (2.7470)									1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12651	12667	12681	12711	12731	12791	12801	12811	12821	12841	12861
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING											
1C	2136944	PLATE (12.4037)									1		
1C	5145092	BOLT, 3/8"-24X1.20" SELF-LOCK									4		
		7.1560 - COUPLING, GENERATOR DRIVE											
	5139545	COUPLING (12.5010)			1	1			1				
		7.1575 - BELT, GENERATOR DRIVE											
	5135298	BELT (31.00"L.)				1			1				
	5133516	BELT (38.00"L.)											1
1F	5133517	BELT (39.00"L.)	1								1		
	5141704	# BELT SET (2 BELTS) (50.00" L., .380" W.)					1	1					
		# OBSOLETE.											
		7.1580 - STRAP, GENERATOR ADJUSTING											
	5124218	STRAP								1		1	1
1F	5136028	STRAP				1							
1B	5126265	STRAP	1				1	1					
1A	5141612	# STRAP							1				
	5121069	STRAP									1		
	5116686	STRAP											
	122022	BOLT, 5/16"-18X1 1/8" (12.9001)	1										
	179839	BOLT, 3/8"-16X1" (12.9001)				1			1		1		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1	1	1	1		1		1
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)					1	1					
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)								2		2	2
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)	1										
	5150230	WASHER, 3/8" FLAT (3.4120)	1	1			1	1			1		1
	5108435	WASHER, 3/8" (12.4010)				1							
	120396	WASHER, 17/32" FLAT (12.9190)	1										
	103320	LOCKWASHER, 5/16" (12.9200)	1										
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR	AR	AR		AR		AR
	103323	LOCKWASHER, 1/2" (12.9200)	1										
	123197	NUT, 5/16"-18 HEX. (12.9120)	1										
	102635	NUT, 3/8"-16 HEX. (12.9120)				1			1				
		# WHEN REPLACING STRAP OR BELT SET ON EARLY UNITS, INCLUDE NEW BELT IN 7.1575 AND NEW STRAP IN 7.1850 TO ASSURE INTERCHANGEABILITY.											
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP											
	5164294	SPACER (13/32"X7/8")								1	1		
	5159347	SPACER (3/4"X1/2")					1	1					
	5115323	SPACER (3/4"X3/4") (2.9010)	1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12651	12667	12668	12671	12673	12679	12680	12681	12682	12684	12686
		7.1583 - BRACKET, GENERATOR ADJUSTING STRAP SUPPORT											
	5135571	SUPPORT				1			1				
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
	5129317 *	GUARD					1	1					
	186659	BOLT, 1/2"-13X3 3/4" (12.9001)					2						
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)					2	2					
		* OBSOLETE											
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5131201	BRACKET					2	2					
	5131202 *	BRACKET					1	1					
	5108612	BRACKET					2	2					
	181333	BOLT, 5/16"-24X5/8" (12.9001)					3	3					
	9427945	BOLT, 1/2"-13X3 3/4" (12.9001)					2						
	103320	LOCKWASHER, 5/16" (12.9200)					3						
	114493	NUT, 5/16"-24 HEX. (12.9120)					3	3					
		* OBSOLETE											
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5131852	SPACER (1/2"X3 1/2" PIPE)					2	2					
		7.1595 - BRACKET, GENERATOR MOUNTING											
	5130735 @	BRACKET (REAR)		1	1	1							
	5137450	BRACKET (REAR)								1		1	1
	5138239 &	BRACKET (REAR)							1				
	5130015	BRACKET (REAR)									1		
1A	5131454 @	BRACKET (FRONT)			1	1							
1A	5130736 #	BRACKET (FRONT)		1									
1A	5138238 &	BRACKET (FRONT)							1				
1A	5130014	BRACKET (FRONT)									1		
	5144001	BRACKET	1										
	5130858	BRACKET					1	1					
	5135411	BRACKET & TUBE ASSY.								1		1	1
	180121	BOLT, 1/4"-20X7/8" (12.9001)		2	2	2			2				
	186647	BOLT, 1/4"-20X1" (12.9001)								2		2	2
	179839	BOLT, 3/8"-16X1" (12.9001)		2	2	2			2	4		4	4
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					3	3					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12651	12667	12681	12711	12731	12791	12801	12811	12822	12844	12866
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)											
	5131478	BOLT, 3/8"-24X5 1/2" (12.9001)			1						1		
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)		2	2	2			2				
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)								1		1	1
	5179709	WASHER, 1/4" COPPER (2.7175)		2	2	2			2				
	5152148	WASHER, 3/8" (2.4050)			1								
	120392	WASHER, 9/32" (12.9190)								2		2	2
	120380	LOCKWASHER, 1/4" (12.9200)		2		2			2	2			
	103321	LOCKWASHER, 3/8" (12.9200)	AR				AR	AR		AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)		AR	AR	AR			AR	AR		AR	AR
	117049	NUT, 3/8"-24 HEX. (12.9120)			1						1		
		@ NOT SERVICED, REPLACE WITH 1-5145144 BRACKET (REAR), 1-5145154 BRACKET (FRONT) AND INCLUDE 1-451925 BOLT.											
		# NOT SERVICED, REPLACE WITH 1-5142836 BRACKET (FRONT) AND INCLUDE 1-5145144 BRACKET (REAR).											
		& NOT SERVICED, REPLACE WITH 1-5141514 BRACKET (REAR) AND INCLUDE 1-5138803 BRACKET (FRONT).											
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET											
	5122266	GASKET		1	1	1			1	1		1	1
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET											
	5164294	SPACER (13/32"X7/8") (7.1581)								2		2	
		7.1605 - REGULATOR ASSY., VOLTAGE											
	9000590	* REGULATOR (12V., NEGATIVE GROUND)				1							
	1119200	* REGULATOR (12V., 50 AMP., NEG. GRD.)										1	
	1119292	* REGULATOR (12V., 25 AMP., NEG. GRD.)	1										
	9000591	* REGULATOR (24V., NEGATIVE GROUND)							1				
	1119185	* REGULATOR (24V., 20 AMP, NEG. GRD.)									1		
	9000953	□ REGULATOR (32V., NEGATIVE GROUND)					1	1					
	190741	BOLT, 1/4"-28X1 1/8" (12.9001)	1										
	120380	LOCKWASHER, 1/4" (12.9200)	1										
		□ OBSOLETE.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115841	* RELAY (12V.)				1			1				
	1115842	* RELAY (24V.)											
	1115843	* RELAY (32V.)					1	1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12651	12667	12668	12671	12673	12679	12680	12681	12682	12684	12686
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING											
	5185708	PLATE	1										
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1										
	103341	WASHER, 3/8" FLAT (12.9190)	1										
	103321	LOCKWASHER, 3/8" (12.9200)	1										
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966 *	MOUNTING ASSY. (SHOCK)				1	1	1	1		1		
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR											
	2985054 +	CABLE ASSY. (12V.)				1							
	2985057 +	CABLE ASSY. (24V.)							1				
	2985055 +	CABLE ASSY. (32V.)					1	1					

+ EFFECTIVE WITH 6VA-23571, 8VA-12851; TYPES 837, 897, 919, 923, 927 REQUIRE 1-1116895 RELAY.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12871	12881	12901	12911	12921	12941	12951	12971	12991	13001	13041
		7.1001 - GENERATOR ASSY.											
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.											
	NPN	GENERATOR (CUSTOMER FURNISHED)	1									1	
	1102287	* GENERATOR (12V., 25 AMP., C.W., GRD.)									1		
	1106824	* GENERATOR (12V., 50 AMP., C.W., INSL.)								1			
	1106822	* GENERATOR (12V., 50 AMP., C.W., GRD.)							1			1	
	1117070	* GENERATOR (12V., 60 AMP., C.W., AC)						1					
	1117781	* GENERATOR (12V., 62 AMP., C.W./C.C.W., GRD.)								1			
	1117058	* GENERATOR (12V., 85 AMP., GRD., AC)							1				
	1105225	* GENERATOR (24V., 18 AMP., C.C.W., INSL.)											1
	1106867	* GENERATOR (24V., 20 AMP., C.W., INSL.)		1		1	1						
	1117071	* GENERATOR (24V., 30 AMP., C.W., AC)			1								2
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)			1				1			1	
	106288	BOLT, 3/8"-16X2 1/4" (12.9001)											
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)			1				1			1	
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)											
	100030	BOLT, 3/8"-24X2" (12.9001)				1	1				1	1	
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)		1				1					
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)		1									
	100042	BOLT, 7/16"-20X2" (12.9001)				1	1				1	1	
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)						1					
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)								1			
	181412	BOLT, 7/16"-20X3 1/4" (12.9001)								1			
	223622	BOLT, 7/16"-20X4" (12.9001)						1					2
	5131913	WASHER, 29/64" I.D. (3.4001)							2			2	
	103320	LOCKWASHER, 5/16" (12.9200)			2								
	103321	LOCKWASHER, 3/8" (12.9200)		2		2	2	2	2	2	2		2
	103322	LOCKWASHER, 7/16" (12.9200)											
	114493	NUT, 5/16"-24 HEX. (12.9120)			2				2			2	
	117049	NUT, 3/8"-24 HEX. (12.9120)		2		2	2	2		2	2		
	456939	NUT, 7/16"-20 HEX. (12.9120)											
		7.1440 - FAN, GENERATOR											
	NPN	FAN (CUSTOMER FURNISHED)	AR									1	
	1866400	* FAN											
10A	1852643	* FAN AND BAFFLE ASSY.		1		1	1			1	1		
10A	1949548	* FAN AND BAFFLE ASSY.								1			1
	1937276	* FAN AND BAFFLE ASSY.											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12871	12881	12901	12902	12904	12905	12907	12909	13001	13004
		7.1440 - FAN, GENERATOR (CONT'D)										
	100776	SCREW, #12-24X3/8" RD. HD. (12.9025)							4			
	113904	SCREW, #12-24X7/16" RD. HD. (12.9025)		4	4	4				4	4	
	106498	LOCKWASHER, #12 (12.9200)		4	4	4			4	4	4	
		7.1500 - PULLEY, GENERATOR										
10A	5133093	PULLEY (2.76" DIA., 2 GROOVE)					1					
10A	5108701	PULLEY (3.25" DIA., 2 GROOVE)		1	1	1			1	1	1	
10A	5133561	PULLEY (3.25" DIA., 1 GROOVE)			1			1			1	
10A	5133559	PULLEY (3.25" DIA., 1 GROOVE)										1
		7.1505 - PULLEY, GENERATOR DRIVE										
	5134827	PULLEY (4.66" DIA., 2 GROOVE)							1			
	5122267	PULLEY (5.00" DIA., 1 GROOVE)		1	1	1	1	1		1	1	1
	5133091	PULLEY (5.00" DIA., 2 GROOVE)	1				1					
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1	1	1	1	1	1		1	1	1
1E	180121	BOLT, 3/8"-16X7/8" (12.9001)	1	1	1	1	1	1		1	1	1
1E	5150230	WASHER, 3/8" FLAT (3.4120)	1	1	1	1	1	1		1	1	1
1E	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1	1	1	1		1	1	1
		7.1507 - DRIVE ASSY., GENERATOR										
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540 AND 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7.1535 AND 7.1540.										
1F	5133747	DRIVE ASSY.							1			
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)							1			
	179839	BOLT, 3/8"-16X1" (12.9001)							2			
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)							4			
		7.1510 - HUB, GENERATOR DRIVE PULLEY										
1F	5143234	HUB (1.7610)							1			
1E	5117920	SHAFT (1.7640)	1	1	1	1	1	1		1	1	1
1F	5143233	SHAFT (1.7640)							1			
1C	124543	KEY, 1/4"X1" WOODRUFF (12.9350)							2			
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)	3	3	3	3	3	3		3	3	3
1E	103320	LOCKWASHER, 5/16" (12.9200)	3	3	3	3	3	3		3	3	3
1E	451082	NUT, 3/4"-16 HEX. LOCK (12.9120)							1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12887	12888	12900	12901	12902	12904	12905	12907	12909	13000	13001	13004
		7.1515 - SEAL, GENERATOR DRIVE OIL												
	5177786	SEAL (1.7620)	1	1		1	1	1			1	1	1	
1F	5138710	SEAL (3.4160)								1				
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
		A RETAINER ASSY. INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1545.												
1F	5133683	RETAINER (1.7645)								1				
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
1F	5122227	GASKET (1.5060)								1				
		7.1535 - BEARING, GENERATOR DRIVE												
1F	908002	BEARING (N.D. 55694L1C) (5.4332)								1				
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING												
	5133682	SPACER (1.7665)								1				
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING												
1C	274621	LOCKRING								1				
		7.1560 - COUPLING, GENERATOR DRIVE												
	5139545	COUPLING (12.5010)								1				
		7.1575 - BELT, GENERATOR DRIVE												
	NPN	BELT (CUSTOMER FURNISHED)	AR											
10A	5124708	BELT (36.00"L.,											1	
10A	5133516	BELT (38.00"L.,		1	1	1	1		1		1	1		
10A	5133517	BELT (39.00"L.,												1
	5126755	BELT SET (2 BELTS) (28.00"L., .500"W.)								1				
	5133177	BELT SET (2 BELTS) (37.00"L.,						1						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12287	12888	12900	12911	12922	12944	12955	12977	12999	13000	13011	13044
		7.1575 - BELT, GENERATOR DRIVE (CONT'D)												
		.380"W.)												
		7.1580 - STRAP, GENERATOR ADJUSTING												
10A	5133284	STRAP		1		1	1				1	1		
10A	5135862	STRAP			1									
10A	5131768	STRAP						1	1					
10A	5136028	STRAP								1				
10A	5127005	+ STRAP											1	
10A	5126265	STRAP												1
	5135571	SUPPORT (ADJUSTING STRAP) (7.1583)								1				
	186629	BOLT, 5/16"-18X1" (12.9001)											1	1
	180121	BOLT, 3/8"-16X7/8" (12.9001)						1						
	179839	BOLT, 3/8"-16X1" (12.9001)								1				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1	1	1	1		1		1	1		
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)		2		2	2				2	2		
	181360	BOLT, 3/8"-24X3/4" (12.9001)								1				
	181361	BOLT, 3/8"-24X7/8" (12.9001)			1				1				1	
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)						1						1
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)												1
	5150230	WASHER (3/8" FLAT) (3.4120)		1	1	1	1		1		1	1	1	1
	5108435	WASHER, 3/8" (12.4010)								1				
	5132147	WASHER, 13/32"X1.06"X.20" SPL						1						
	103320	LOCKWASHER, 5/16" (12.9200)											1	1
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
	120384	LOCKWASHER, 1/2" (12.9200)												1
	117049	NUT, 3/8"-24 HEX. (12.9120)			1			1	1	1			1	
		+ OBSOLETE.												
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5109349	SPACER (5.4025)						1						
	5115323	SPACER (2.9010)												1
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5133283	BRACKET			1			1	1				1	
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)			2			2	2				2	
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5126906	GUARD												1
	120628	BOLT, 1/4" (12.9001)												2
	120392	WASHER, 1/4" FLAT (12.9190)												AR

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12887	12888	12900	12901	12902	12904	12905	12907	12909	13000	13001	13004
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY(CONT'D)												
	3844999	NUT, 1/4"-28 RETAINING												2
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5123738	BRACKET												1
	5126907	BRACKET												1
	5123737	BRACKET												1
	454745	SCREW, 1/4"-28X1/2" (12.9025)												1
	100005	BOLT, 1/4"-28X1 3/4" (12.9001)												1
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)												1
	120380	LOCKWASHER, 1/4" (12.9200)												1
	121902	NUT, 1/4"-28 HEX. (12.9120)												1
	5123531	NUT (1/4"-28 RETAINING)												1
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5182645	SPACER (4.8040)												1
	5167319	SPACER (5.4585)												1
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5135411	BRACKET (FRONT)	1	1	1	1	1	1			1	1		
	5137450	BRACKET (REAR)	1	1	1	1	1	1			1	1		
1A	5142126	BRACKET (FRONT)							1				1	
	5141383	BRACKET (REAR)							1				1	
1A	5131454 @	BRACKET (FRONT)								1				
	5130735 @	BRACKET (REAR)								1				
	5126281	BRACKET												1
	213546	BOLT, 1/4"-20X1" (12.9001)												1
	213546	BOLT, 1/4"-20X1" (12.9001)	2	2	2	2	2	2	2		2	2	2	
	454894	BOLT, 1/4"-20X3/4" (12.9001)								2				
	180121	BOLT, 3/8"-16X7/8" (12.9001)	4	4	4	4	4	2	4		4	4	4	
	179839	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4	4		4		4	4	4	
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)								2				
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1	1	1	1	1	1	1		1	1	1	
	5179709	WASHER, 1/4" COPPER (2.7175)						2		2			2	
	120392	WASHER, 1/4" FLAT (12.9190)	2	2	2	2					2	2		1
	103341	WASHER, 3/8" FLAT (12.9190)		2										
	5152148	WASHER (3/8"X9/16") (2.4050)								2				
	120380	LOCKWASHER, 1/4" (12.9200)	2	2	2	2	2		2		2	2	2	1
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4		4	4	4	
	103322	LOCKWASHER, 7/16" (12.9200)	1	1	1	1	1	1	1	2	1	1	1	1

@ NOT SERVICED; REPLACE WITH (1)

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12867	12888	12890	12891	12892	12894	12895	12897	12899	13000	13001	13004
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
		5145154 BRACKET (FRONT), (1) 5145144 BRACKET (REAR) AND INCLUDE 1-451925 BOLT.												-
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET	1	1	1	1	1	1	1	1	1	1	1	
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5164294	SPACER (13/32"X7/8"X1/8")	2		2	2	2	2			2	2	2	
	5134205	SPACER (15/32"X1"X41/64") (7.1581)								1				
	5122168	SPACER (15/32"X1"X.46")								1				
		7.1605 - REGULATOR ASSY., VOLTAGE												
@	9000590 *	REGULATOR (12V.) (TRANSISTOR)						1	1	1				
@	1119292 *	REGULATOR (12V., 25 AMP., NEG. GRD.)											1	
@	1118883 *	REGULATOR (12V., 50 AMP., POS. GRD.)									1			
@	1118881 *	REGULATOR (12V., 50 AMP., NEG. GRD.)										1		
@	9000591 *	REGULATOR (24V., TRANSISTOR, NEG. GRD.)			1									
@	1119285 *	REGULATOR (24V., 18 AMP., POS. INSL.)												1
@	1118346 *	REGULATOR (24V., 20 AMP., POS. INSL.)		1			1							
@	1119185 *	REGULATOR (24V., 20 AMP., NEG. GRD.)				1								
	180082	BOLT, 5/16"-18X1 3/8" (12.9001)		4										
	190741	BOLT, 1/4"-28X1" FIL. HD. SL. (12.9010)												4
	120380	*LOCKWASHER, 1/4" (12.9200)*												4
	103320	LOCKWASHER, 5/16" (12.9200)		4										
	120376	NUT, 5/16"-18 HEX. (12.9120)		4										
		@ FIG. 10B OF 2.0000.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841 *	RELAY (12V.)						1	1	1				
	1115842 *	RELAY (24V.)			1									

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12871	12881	12901	12911	12922	12941	12955	12977	12999	13001	13041
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING											
	5131158	PLATE				1							1
	5164789	SPACER, 15/32"X13/16"X3/8" (5.4025)				1							2
	179837	BOLT, 3/8"-16X3/4" (12.9001)				2							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2							2
	103341	WASHER, 3/8" (12.9190)				2							2
	103321	LOCKWASHER, 3/8" (12.9200)											
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966 *	MOUNTING ASSY. (SHOCK) (7.1613)			1	1	1	1	1				
	5134264	BRACKET		1		4							
	190741	BOLT, 1/4"-28X1" (12.9010)		2		4							
	179837	BOLT, 3/8"-16X3/4" (12.9001)											
	120380	LOCKWASHER, 1/4" (12.9200)											
		7.1630 - WIRE ASSY., GENERATOR TO VOLTAGE REGULATOR											
	5135309	WIRE ASSY.		1				1	1	1			
	2985054	CABLE ASSY. (12V.)			1								
	2985057	CABLE ASSY. (24V.)											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13061	13081	13101	13141	13151	13171	13181	13191	13201	13211	13241
		7.1001 - GENERATOR ASSY.											
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.											
	NPN	GENERATOR (CUSTOMER FURNISHED)				1		1					1
	1102287	* GENERATOR (12V., 25 AMP., C.W., GRD.)								1			
	1106943	* GENERATOR (12V., 40 AMP., C.W., GRD.)							1				
	1106824	* GENERATOR (12V., 50 AMP., C.W., INSL.)									1		
	1117077	* GENERATOR (12V., 60 AMP., C.C.W., AC)	1										
	1117059	* GENERATOR (12V., 60 AMP., C.W., GRD.)		1									
	1106867	* GENERATOR (24V., 20 AMP., C.W., INSL.)			1								
	1117072	* GENERATOR (24V., 60 AMP., C.W., GRD.)					1						
	1117075	* GENERATOR (24V., 60 AMP., C.C.W., AC)										1	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2										
	106288	BOLT, 3/8"-16X2 1/4" (12.9001)					1						
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)								1			
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)										1	
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)					1					1	
	100030	BOLT, 3/8"-24X2" (12.9001)								1			
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)			1				1		1		
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)		1									
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)		1	1				1		1		
	103321	LOCKWASHER, 3/8" (12.9200)	2				2			2		2	
	103322	LOCKWASHER, 7/16" (12.9200)		2	2				2		2		
	117049	NUT, 3/8"-24 HEX. (12.9120)					2			2		2	
	456939	NUT, 7/16"-20 HEX. (12.9120)		2	2				2		2		
		7.1440 - FAN, GENERATOR											
	NPN	FAN (CUSTOMER FURNISHED)				AR		AR					AR
10A	1866400	* FAN								1			
10A	1852643	* FAN AND BAFFLE ASSY.			1						1		
	1949548	* FAN AND BAFFLE ASSY.		1									
	100776	SCREW, #12-24X3/8" RD. HD. (12.9025)		4									
	113904	SCREW, #12-24X7/16" RD. HD. (12.9025)			4						4		
	106498	LOCKWASHER, #12 (12.9200)		4	4						4		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13068	13088	13110	13114	13115	13117	13118	13119	13120	13121	13124
		7.1500 - PULLEY, GENERATOR											
	NPN	PULLEY (CUSTOMER FURNISHED)				AR							
10A	5133093	PULLEY (2.76" DIA., 2 GROOVE)		1									
10A	5132527	PULLEY (2.76" DIA., 2 GROOVE)	1									1	
10A	5108701	PULLEY (3.25" DIA., 2 GROOVE)			1				1		1		
10A	5133561	PULLEY (3.25" DIA., 1 GROOVE)					1			1			
		7.1505 - PULLEY, GENERATOR DRIVE											
	5122267	PULLEY (5.00" DIA., 1 GROOVE)			1		1		1	1	1		
	5133091	PULLEY (5.00" DIA., 2 GROOVE)		1									
	5133377	PULLEY (6.25" DIA., 2 GROOVE)				1		1					1
	5145905	PULLEY (6.29" DIA., 2 GROOVES)	1										
	5133092 @	PULLEY (6.88" DIA., 2 GROOVES)										1	
1C	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)				1							
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)		1	1		1		1	1	1		
1E	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)										1	
1E	180121	BOLT, 3/8"-16X7/8" (12.9001)		1	1		1		1	1	1		
1E	5150230	WASHER, 3/8" FLAT (3.4120)		1	1		1		1	1	1		
1E	103321	LOCKWASHER, 3/8" (12.9200)		1	1		1		1	1	1		
1C	272906	NUT, 3/4"-16 HEX. LOCK (12.9120)										1	
		@ OBSOLETE.											
		7.1507 - DRIVE ASSY., GENERATOR											
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540 AND 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7.1535 AND 7.1540.											
1F	5133747	DRIVE ASSY.				1		1					1
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)				1		1					1
	179839	BOLT, 3/8"-16X1" (12.9001)				2		2					2
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)						3					3
	186317	BOLT, 3/8"-24X5" (12.9001)				3							
	5131478	BOLT, 3/8"-24X6" (12.4010)				1							
	103341	WASHER, 3/8" (12.9190)				3							
	103321	LOCKWASHER, 3/8" (12.9200)				2		2					2
	117049	NUT, 3/8"-24 HEX. (12.9120)				1							
		7.1510 - HUB, GENERATOR DRIVE PULLEY											
1F	5143234	HUB (1.7610)				1		1					1
1E	5117920	SHAFT (1.7640)		1	1		1		1	1	1		
1F	5143233	SHAFT (1.7640)				1		1					1
1C	5131130	SHAFT (1.7640)										1	
1C	124543	KEY, 1/4"X1" WOODRUFF (12.9350)				2		2					2

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13308	13308	13310	13314	13315	13317	13318	13319	13320	13321	13324
		7.1510 - HUB, GENERATOR DRIVE PULLEY (CONT'D)											
1E	181596	BOLT, 5/16"-24X7/8" (12.9001)		3	3		3		3	3	3		
1E	103320	LOCKWASHER, 5/16" (12.9200)		3	3		3		3	3	3		
1E	451082	NUT, 3/4"-16 HEX. LOCK (12.9120)				1		1					1
		7.1515 - SEAL, GENERATOR DRIVE OIL											
	5177786	SEAL (1.7620)			1				1	1			
1F	5138710	SEAL (3.4160)				1		1					1
	5131131	SPACER, OIL SEAL (1.7665)										1	
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL											
		A RETAINER ASSY. INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1545.											
1F	5133683	RETAINER (1.7645)				1		1					1
1C	5131402	RETAINER ASSY. (1.7645)										1	
1C	179858	BOLT, 7/16"-14X1" (12.9001)										1	
1C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)										4	
1C	5150568	WASHER, 7/16" COPPER (2.4050)										1	
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER											
1F	5122227	GASKET (1.5060)				1		1					1
1C,D	5117061	GASKET (1.5040)										1	
		7.1535 - BEARING, GENERATOR DRIVE											
1F	908002	BEARING (N.D. 55694L1C) (5.4332)				1		1					1
1F	907191	BEARING (N.D. 5206W) (1.7655)										1	
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING											
	5133682	SPACER (1.7665)				1		1					1
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
1C	274621	LOCKRING				1		1					1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13061	13081	13101	13141	13151	13171	13181	13191	13201	13211	13241
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING											
1C	2136944	PLATE (12.4037)										1	
1C	5145091	BOLT, 3/8"-24X1 5/16" (12.5015)										4	
		7.1560 - COUPLING, GENERATOR DRIVE											
	5139545	COUPLING (12.5010)				1		1					1
		7.1575 - BELT, GENERATOR DRIVE											
	NPN	BELT (CUSTOMER FURNISHED)				AR							
10A	5124708	BELT (36.00"L.,								1			
10A	5133516	BELT (38.00"L.,			1		1		1		1		
	5133177	BELT SET (2 BELTS) (37.00"L., W.) (P)		1									
	5133172	BELT SET (2 BELTS) (43.00"L., W.)										1	
	5132591	BELT SET (2 BELTS) (45.72"L., W.)	1										
		7.1580 - STRAP, GENERATOR ADJUSTING											
	NPN	STRAP (CUSTOMER FURNISHED)				AR							
10A	5133284	STRAP			1				1		1		
10A	5131768	STRAP		1			1						
10A	5127005	+ STRAP								1			
10A	5128546	STRAP	1										
10A	5111421	STRAP										1	
	186629	BOLT, 5/16"-18X1" (12.9001)								1			
	180121	BOLT, 3/8"-16X7/8" (12.9001)		1									
	179839	BOLT, 3/8"-16X1" (12.9001)	1										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1		1		1		1	1	
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)			2				2		2		
	181361	BOLT, 3/8"-24X7/8" (12.9001)		1			1			1			
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)										1	
	5150230	WASHER (3/8" FLAT) (3.4120)	1		1		1		1	1	1	1	
	103341	WASHER, 3/8" FLAT (12.9190)		1	1								
	103320	LOCKWASHER, 5/16" (12.9200)								1			
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR		AR	AR	AR	AR	
	117049	NUT, 3/8"-24 HEX. (12.9120)		1			1			1			
		+ OBSOLETE.											
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP											
	5133283	BRACKET		1			1			1			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)		2			2			2			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13061	13081	13101	13141	13151	13171	13181	13191	13201	13211	13241
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
	5128544	GUARD	1										
	5135623	GUARD										1	
	120628	BOLT, 1/4" (12.9001)	3									3	
	120392	WASHER, 1/4" FLAT (12.9190)	AR									AR	
	3844999	NUT, 1/4"-28 RETAINING	3									3	
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5144708	BRACKET (WBP)	1										
	5128537	BRACKET	1										
	5128538	BRACKET (DRY BLOCK)	1										
	5128536	BRACKET	1										
	5121435	BRACKET										1	
	5135458	BRACKET										2	
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)	1										
	180120	BOLT, 3/8"-16X3 3/4" (12.9001)	1										
	181361	BOLT, 3/8"-24X7/8" (12.9001)										1	
	186312	BOLT, 3/8"-24X4" (12.9001)										1	
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)										1	
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	1										
	103343	WASHER, 1/2" FLAT (12.9190)	2										
	103321	LOCKWASHER, 3/8" (12.9200)	2									1	
	103323	LOCKWASHER, 1/2" (12.9200)	1										
	117049	NUT, 3/8"-24 HEX. (12.9120)										1	
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5164789	SPACER (5.4025)	1										
		7.1595 - BRACKET, GENERATOR MOUNTING											
1A	5135411	BRACKET (FRONT)		1	1		1		1		1		
	5137450	BRACKET (REAR)		1	1		1		1		1		
1A	5142126	BRACKET (FRONT)								1			
	5141363	BRACKET (REAR)								1			
1A	5131454	@ BRACKET (FRONT)				1		1					1
	5130735	@ BRACKET (REAR)				1		1					1
	5130538	BRACKET	1										
	5129909	BRACKET (REAR)										1	
1A	5129910	BRACKET (FRONT)										1	
	444867	PLUG, 3/8" ALLEN HD. (12.9550)	1										
	213546	BOLT, 1/4"-20X1" (12.9001)		2	2		2		2	2	2		
	454894	BOLT, 1/4"-20X3/4" (12.9001)				2		2					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13006	13008	13010	13014	13015	13017	13018	13019	13020	13021	13024
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)											
	180121	BOLT, 3/8"-16X7/8" (12.9001)	4	2									
	179839	BOLT, 3/8"-16X1" (12.9001)		2	4	2	4	2	4	4	4		2
	5131478	BOLT, 3/8"-24X5 1/2" (12.4001)										2	
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)				2		2					2
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		1	1		1		1	1	1		
	5179709	WASHER, 1/4" COPPER (2.7175)				2		2		2			2
	120392	WASHER, 1/4" FLAT (12.9190)		2	2		2		2	2	2		
	120380	LOCKWASHER, 1/4" (12.9200)		2	2	2	2	2	2		2		2
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4		4		4	4	4		
	103322	LOCKWASHER, 7/16" (12.9200)		1	1	2	1	2	1	2	1		2
	117049	NUT, 3/8"-24 HEX. (12.9120)										2	
		@ NOT SERVICED; REPLACE WITH (1) 5145154 BRACKET (FRONT), (1) 5145144 BRACKET (REAR) AND INCLUDE 1-451925 BOLT.											
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET											
	5122266	GASKET		1	1	1	1	1	1	1	1		1
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET											
	5164294	SPACER (13/32"X7/8"X1/8")		2	2		2		2	2	2		
	5160629	SPACER (13/32"X7/32") (4.2270)										2	
		7.1605 - REGULATOR ASSY., VOLTAGE											
	NPN	REGULATOR (CUSTOMER FURNISHED)				AR					AR		AR
@	9000590	* REGULATOR (12V.) (TRANSISTOR)	1	1									
@@	1119292	* REGULATOR (12V., 25 AMP., NEG. GRD.)								1			
@@	1118886	* REGULATOR (12V., 40 AMP., POS. GRD.)							1				
@	9000591	* REGULATOR (24V., TRANSISTOR, NEG. GRD.)					1					1	
@	1118346	* REGULATOR (24V., 20 AMP., POS. INSL.)			1					4			
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)								4			
	120380	LOCKWASHER, 1/4" (12.9200)											
		@ FIG. 10B OF 2.0000.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115841	* RELAY (12V.)	1	1									
	1115842	* RELAY (24V.)					1					1	
	1116993	RELAY (24V.)											

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13061	13081	13101	13141	13151	13171	13181	13191	13201	13211	13241
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING											
	5185708	PLATE	1										
	123435	BOLT, 1/4"-28X5/8" (12.9001)	2										
	179839	BOLT, 3/8"-16X1" (12.9001)	2										
	103341	WASHER, 3/8" (12.9190)	2										
	103321	LOCKWASHER, 3/8" (12.9200)	2										
	120380	LOCKWASHER, 1/4" (12.9200)	2										
	102635	NUT, 3/8"-16 HEX. (12.9120)	2										
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966 *	MOUNTING ASSY. (SHOCK) (7.1613)	1	1	1						1		
	5134314	BRACKET	1										
	5131682	BRACKET								1			
	5188133	STRAP, GROUND (7.2040)	1										
	5183040	SPACER								2			
	190741	BOLT, 1/4"-28X1" (12.9010)	4										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)								2			
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	2										
	5170971	WASHER, 3/8" BEVEL (5.3015)	2										
	174916	LOCKWASHER, 1/4" (12.9200)	1										
	120380	LOCKWASHER, 1/4" (12.9200)	4										
	102635	NUT, 3/8"-16 HEX. (12.9120)	2										
		7.1630 - WIRE ASSY., GENERATOR TO VOLTAGE REGULATOR											
	2985054	CABLE ASSY. (12V.)		1									
	2985057	CABLE ASSY. (24V.)					1				1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13251	13256	13267	13299	13331	13334	13366	13399	13400	13433	13455	13488
		7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)					AR							AR
	1106824	* GENERATOR (12V., 50 AMP., C.W.)						1						
10A,B	1117070	* GENERATOR (12V., 60 AMP., C.W.)	1								1			
10A,B	1117059	* GENERATOR (12V., 60 AMP., C.W.)												
	1117783	* GENERATOR (12V., 62 AMP., C.W., C.C.W.)							1					
	1106868	* GENERATOR (24V., 20 AMP., C.C.W.)		1									1	
10A,B	1106867	* GENERATOR (24V., 20 AMP., C.W.)	/							1				
	1117478	* GENERATOR (24V., 40 AMP., C.W.)												
1F	1117072	* GENERATOR (24V., 60 AMP., C.W.)			1									
	1117075	* GENERATOR (24V., 60 AMP., C.C.W.)				1								
	1117079	* @ GENERATOR (32V., 30 AMP., C.C.W.)										1		
	5180733	SPACER (7.4460)							1					
	5122168	SPACER (FRONT) (7.1610)									1			
	5134205	SPACER (REAR) (7.1581)									1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										1		
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)										1		
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)			1	1								
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			1	1								2
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)												
	181381	BOLT, 3/8"-24X2 1/2" (12.9001)	2											
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		2										
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)							2					
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)										1		
	100042	BOLT, 7/16"-20X2" (12.9001)						1						
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)										1		
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)						1						
	181412	BOLT, 7/16"-20X3 1/4" (12.9001)									1			
	223622	BOLT, 7/16"-20X4" (12.9001)									1			
	443615	BOLT, 1/2"-20X2" (12.9001)								2				
	5131913	WASHER, SPECIAL 29/64"I.D. (3.4001)							4					
	103321	LOCKWASHER, 3/8" (12.9200)	2		2	2						2		2
	103322	LOCKWASHER, 7/16" (12.9200)		2				2	2		2	2		2
	178591	LOCKWASHER, 1/2" (12.9200)								2				
	117049	NUT, 3/8"-24 HEX. (12.9120)	2											2
	271500	NUT, 7/16"-14 HEX. (12.9120)		2										
	456939	NUT, 7/16"-20 HEX. (12.9120)						2			2	2		2
	271506	NUT, 7/16"-20 HEX. (12.9120)							2					
	103028	NUT, 1/2"-20 HEX. (12.9120)								2				
		@ OBSOLETE.												
		7.1440 - FAN, GENERATOR												
10A	1852643	* FAN AND BAFFLE ASSY.		1									1	
	1949548	* FAN AND BAFFLE ASSY.						1			1			
	1960460	FAN AND BAFFLE ASSY.								1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1325	1326	1327	1329	1331	1334	1336	1339	1340	1343	1345	1348
		7.1440 - FAN, GENERATOR (CONT'D)												
	132971	SCREW, #12-24X3/8" (12.9025)						4			4			
	113904	SCREW, #12-24X7/16" (12.9025)		4									4	
	106498	LOCKWASHER, #12 (12.9200)		4				4			4		4	
		7.1500 - PULLEY, GENERATOR												
	5132527	PULLEY (2.76" DIA., 2 GROOVE)			1	1						1		
	5134955	PULLEY (2.76" DIA., 2 GROOVE)							1					
	5133563	PULLEY (2.76" DIA., 2 GROOVE)												1
10A	**5133562**	PULLEY (3.25" DIA., 1 GROOVE)		1								1		
10A	**5108701**	PULLEY (3.25" DIA., 2 GROOVE)									1	1		
	5133953	PULLEY (3.66" DIA., 2 GROOVE)	1											
	5133310	PULLEY (3.66" DIA., 2 GROOVE)					1							
	5136397	PULLEY (5.36" DIA., 2 GROOVE) (7.1505)						1						
		7.1505 - PULLEY, GENERATOR DRIVE												
	5134827	PULLEY (4.66" DIA., 2 GROOVE)									1			
1E	**5122267**	PULLEY (5.00" DIA., 1 GROOVE) (1.7605)								1			1	
	5103301	PULLEY (5.52" DIA., 2 GROOVE)							1					
	5135541	@ PULLEY (5.82" DIA., 2 GROOVE)					1							
1E	**5134266**	PULLEY (5.82" DIA., 2 GROOVE)						1						
1D	**5133377**	PULLEY (6.25" DIA., 2 GROOVE)	1											
1C,D	**5132669**	PULLEY (6.29" DIA., 2 GROOVE)										1		
1A	**5145390**	PULLEY (9.00" DIA., 2 GROOVE)			1	1								
1F	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)								1			1	
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)							1					
1E	**124543**	KEY, 1/4"X1" WOODRUFF (12.9350)					1							
	180120	BOLT, 3/8"-16X3/4" (12.9001)			3	3								
	180121	BOLT, 3/8"-16X7/8" (12.9001)								1			1	
	5150230	WASHER, 3/8" FLAT (3.4120)								1			1	
	103321	LOCKWASHER, 3/8" (12.9200)			3	3				1			1	
1C	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9120)	1					1	1		1			
		@ OBSOLETE.												
		7.1507 - DRIVE ASSY., GENERATOR												
		INCLUDES NUT AND KEY IN 7.1505, PLUS ITEMS IN 7.1510, 7.1515, 7.1520, 7.1535, 7.1540, 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7.1535 AND 7.1540.												
1F	**5133747**	DRIVE ASSY.	1					1			1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13255	13256	13257	13259	13331	13334	13336	13339	13340	13343	13345	13348
		7.1507 - DRIVE ASSY., GENERATOR (CONT'D)												
	5135542	DRIVE ASSY.					1							
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)	1					1			1			
	186629	BOLT, 5/16"-18X1" (12.9001)					1							
	179839	BOLT, 3/8"-16X1" (12.9001)	2					2			2			
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)					3							
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)						3			3			
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)									1			
	5131478	BOLT, 3/8"-24X6" (12.4010)						1						
	103321	LOCKWASHER, 3/8" (12.9200)	2					6						
	117049	NUT, 3/8"-24 HEX. (12.9120)						1						
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
	5143234	HUB (1.7610)	1				1	1			1			
	5134267	HUB					1							
	5143233	SHAFT (1.7640)	1					1			1			
	5135539 @	SHAFT					1		1					
	5131130	SHAFT (1.7640)								1			1	
	5117920	SHAFT (1.7640)						2			2			
	124543	KEY, 1/4"X1" WOODRUFF (12.9350)	2				1							
	124543	KEY, 1/4"X1" WOODRUFF (12.9350)								3			3	
	181596	BOLT, 5/16"-24X7/8" (12.9001)								3			3	
	103320	LOCKWASHER, 5/16" (12.9200)												
	272906	NUT, 3/4"-16 HEX. (12.9140)	1				1	1			1			
		@ NOT SERVICED, USE 5143232 PLUS (1) 5143234.												
		7.1515 - SEAL, GENERATOR DRIVE OIL												
	5138710	SEAL (3.4160)	1				1	1			1			
	5131329	SEAL (1.7660)							1					
	5177786	SEAL (2.8810)								1			1	
	5131131	SPACER, SEAL (1.7665)							1					
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
	5133683 #	RETAINER	1					1			1			
	5135543	RETAINER					1							
1C	5131402 @	RETAINER ASSY. (1.7645)							1					
	5134610	PIN (1/2"L.X.521" DIA.)					2							
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)							4					
		@ INCLUDES OIL SEAL IN 7.1515 AND ITEMS IN 7.1535 AND 7.1545.												
		# OBSOLETE.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13256	13268	13279	13291	13314	13336	13399	13400	13433	13455	13488
		7.1525 - GENERATOR, DRIVE BEARING AND OIL SEAL RETAINER											
1F	5122227	GASKET (1.5060)	1				1			1			
	5134260	GASKET				1							
		7.1535 - BEARING, GENERATOR DRIVE											
	908002	BEARING (N.D. 55694L1C) (5.4332)	1			1	1			1			
1C	907191	BEARING (N.D. 5602W.) (1.7655)						1					
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING											
	5133682	SPACER (1.7665)	1				1			1			
	5135540	SPACER (7.1515)				1							
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
1C	274621	LOCKRING	1			1	1			1			
1C	9415285	LOCKRING (2.7470)						1					
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING											
1C	2136944	PLATE (12.4037)						1					
1C	5145092	BOLT, 3/8"-24X1.20" SELF-LOCK (12.5015)						4					
		7.1560 - COUPLING, GENERATOR DRIVE											
	5139545	COUPLING (1.7635)	1			1	1			1			
		7.1575 - BELT, GENERATOR DRIVE											
10A	5133516	BELT (38.00" L.,										1	
10A	5137850	BELT (39.00" L.,							1				
10A	9433888	BELT (41.50" L.,		1									
10A	5140927	BELT SET (2 BELTS) (28.00"L., W.) (1.3320)								1			
10A	5135298	BELT SET (2 BELTS) (31.00" L., W.)	1										
10A	5126758	BELT SET (2 BELTS) (33.00" L., W.) (1.3320)					1						
10A	5135299	BELT SET (2 BELTS) (36.00" L.,				1							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1325	1326	1327	1329	1331	1334	1336	1339	1340	1343	1345	1348
		7.1575 - BELT, GENERATOR DRIVE (CONT'D)												
		W.)												
10A	**5133177**	BELT SET (2 BELTS) (37.00" L., W.)												1
10A	**5133175**	BELT SET (2 BELTS) (39.00" L., W.)							1					
10A	**5132591**	BELT SET (2 BELTS) (46.00" L., W.)										1		
10A	**5141704**	BELT SET (2 BELTS) (50.00" L., W.)			1	1								
		7.1580 - STRAP, GENERATOR ADJUSTING												
10A	**5133621**	STRAP	1								1			
10A	**5126799**	STRAP		1										
10A	**5141612**	STRAP			1	1								
10A	**5135666**	STRAP					1							
10A	**5136028**	STRAP						1						
10A	**5131768**	STRAP							1	1				1
10A	**5128546**	STRAP										1		
10A	**5133284**	STRAP											1	
	179839	BOLT, 3/8"-16X1" (12.9001)					1	1	1		1	1		1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1		1	1		1	1	1			1	
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)		1										
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)			1	1								
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)												1
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)											2	
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)					1							
	181361	BOLT, 3/8"-24X7/8" (12.9001)								1				
	186317	BOLT, 3/8"-24X5" (12.9001)	1											
	5108435	WASHER, 3/8" (12.4010)						1						
	5150230	WASHER, 3/8" FLAT (3.4120)		1	1	1				1		1	1	
	103341	WASHER, 3/8" (12.9190)					1						1	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR
	178551	LOCKWASHER, 3/8" (12.9200)								2				
	117062	NUT, 3/8"-16 HEX. (12.9120)		1				1						
	117049	NUT, 3/8"-24 HEX. (12.9120)								1				
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164294	SPACER, 13/32"X7/8"X1/8"	1						2		1			1
	5134205	SPACER, 15/32"X1"X41/64"									1			
	5167319	SPACER, 15/32"X7/8" (5.4600)												1
	5159347	SPACER, 3/4"X1/2"		1	1	1	1							
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5137851	BRACKET								1				
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)								2				
	178551	LOCKWASHER, 3/8" (12.9200)								2				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13251	13261	13271	13291	13311	13341	13361	13391	13401	13431	13451	13481
		7.1583 - SUPPORT, GENERATOR ADJUSTING STRAP												
	5135571	SUPPORT						1						
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
#	5129317	GUARD			1	1								
#	5128544	GUARD										1		
	120628	BOLT, 1/4" (12.9001)										3		
	186659	BOLT, 1/2"-13X3 3/4" (12.9001)				2								
	451699	BOLT, 1/2"-13X6 1/4" (12.9001)			2									
	120392	WASHER, 1/4" FLAT (12.9190)										3		
	3844999	NUT, 1/4"-28 RETAINING (7.1587)										3		
		# FIG. 10A OF 5.0000.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5108612	BRACKET			2									
	5131201	BRACKET			2	2								
	5131202	BRACKET			1	1								
	5128536	BRACKET										1		
	5128537	BRACKET										1		
	5128538	BRACKET (DRY BLOCK)										1		
	181333	BOLT, 5/16"-24X5/8" (12.9001)			3	3								
	180120	BOLT, 3/8"-16X3/4" (12.9001)										1		
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)										1		
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)										1		
	103343	WASHER, 1/2" (12.9190)										2		
	103320	LOCKWASHER, 5/16" (12.9200)			3	3								
	103321	LOCKWASHER, 3/8" (12.9200)										2		
	103323	LOCKWASHER, 1/2" (12.9200)										1		
	114493	NUT, 5/16"-24 HEX. (12.9120)			3	3								
		* OBSOLETE												
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5131852	SPACER (1/2"X3 1/2")			2									
	5196119	SPACER (7/8"X13/32"X7/8") (3.4001)										1		
	5182452	SPACER (7/8"X1 1/16"X33/64") (2.9320)				2								
		7.1595 - *BRACKET, GENERATOR MOUNTING*												
	5138238	@ BRACKET (FRONT)	1											
	5138239	@ BRACKET (REAR)	1											
	5126798	BRACKET		1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13255	13268	13277	13299	13311	13344	13366	13399	13400	13443	13455	13488
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	5130858	BRACKET			1	1								
	5135607 *	BRACKET (FRONT)					1							
	5131454 #	BRACKET (FRONT)						1			1			
	5130735 #	BRACKET (REAR)						1	1		1			
	5134957	BRACKET (FRONT)							1					
	5135304	BRACKET (REAR)								1				
	5136222	BRACKET								1				
	5136156	BRACKET										1		
	5130538	BRACKET											1	
	5135411	BRACKET (FRONT)												1
	5134981	BRACKET					1						1	
	5137450	BRACKET (REAR)							2			1		
	5145014	PLUG, 3/8" ALLEN HD. (12.9550)					2			2			2	
	5160629	SPACER, 13/32"X7/32" (4.2270)		2				2						
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)												
	5159347	SPACER, 3/4"X1/2" (7.1581)	2					2			2			
	454894	BOLT, 1/4"-20X3/4" (12.9001)								2			2	
	213546	BOLT, 1/4"-20X1" (12.9001)	2	2	3	2	2	2		4	2		4	
	179839	BOLT, 3/8"-16X1" (12.9001)									4	4		
	5145014	BOLT, 3/8"-16X1 1/8" (12.9001)		2										
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)							2					
	5131478	BOLT, 3/8"-24X6" (12.4010)									2			
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	2							1			1	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)					2	2						
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)						2			2			
	5179709	WASHER, 1/4" COPPER (2.7175)	2								2			
	5152148	WASHER, 3/8" (2.4050)		2										
	103341	WASHER, 3/8" (12.9190)						2					2	
	120380	LOCKWASHER, 1/4" (12.9200)	2							2				
	174916	LOCKWASHER, 1/4" (12.9200)		4	3	2			2			4	4	AR
	103321	LOCKWASHER, 3/8" (12.9200)								4				
	178551	LOCKWASHER, 3/8" (12.9200)	2				2	2			2		1	
	103322	LOCKWASHER, 7/16" (12.9200)								1				
	178571	LOCKWASHER, 7/16" (12.9200)							2					
	117049	NUT, 3/8"-24 HEX. (12.9120)												
		@ REPLACE WITH (1) 5141514 BRACKET (REAR) AND INCLUDE (1) 5138803 BRACKET (FRONT).												
		* OBSOLETE.												
		# NOT SERVICED, REPLACE WITH (1) 5145154 BRACKET (FRONT), (1) 5145144 BRACKET (REAR) AND INCLUDE 1-451925 BOLT.												
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET	1					1		1	1		1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13256	13266	13279	13291	13341	13366	13391	13400	13443	13455	13488
		7.1605 - *REGULATOR ASSY., VOLTAGE*											
	NPN	REGULATOR (CUSTOMER FURNISHED)											AR
@	1119661	* REGULATOR (12V., 50 AMP.) (NEG. GRD.)					1						
@	9000590	* REGULATOR (12V., TRANSISTOR (NEG. GRD.)	1			1		1		1			
@	1119185	* REGULATOR (24V., 20 AMP.) (NEG. GRD.)		1									
@	1118346	* REGULATOR (24V., 20 AMP.) (POS. GRD.)										1	
@	1118558	* REGULATOR (24V., 40 AMP.) (NEG. GRD.)							1				
@	*9000591*	* REGULATOR (24V., TRANSISTOR (NEG. GRD.)			1	1							
@	9000593	□ REGULATOR (32V., TRANSISTOR (NEG. GRD.)									1		
		□ OBSOLETE.											
		@ FIG. 10B OF 8.0000.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115841	* RELAY (12V.)	1			1		1		1			
	1115842	* RELAY (24V.)			1	1							
	1115843	* RELAY (32V.)									1		
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING											
	5185708	PLATE		1									
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966	* MOUNTING ASSY. (SHOCK)	1	1	1	1		1		1	1		
	190741	SCREW, 1/4"-28X1" FIL. HD. SL. (12.9015)		4									
	120380	LOCKWASHER, 1/4" (12.9200)		4									
		7.1630 - WIRE ASSY., GENERATOR TO VOLTAGE REGULATOR											
	5122037	* WIRE ASSY.							1				
	2985054	CABLE ASSY. (12V.)	1			1		1		1			
	2985057	CABLE ASSY. (24V.)			1	1							
	2985055	CABLE ASSY. (32V.)									1		
	5187908	STRAP, GROUND							1				
		* OBSOLETE											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13511	13512	13513	13516	13518	13519	13611	13612	13666	13667	13717
	7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.											
	NPN	GENERATOR (CUSTOMER FURNISHED)		AR	AR		AR						
	1106825	* GENERATOR (12V., 50 AMP., C.C.W.)							1			1	
	1117780	* GENERATOR (12V., 55 AMP., C.W.)	1										
	1117781	* GENERATOR (12V., 62 AMP., C.W., C.C.W.)								1	1		
	1117499	* GENERATOR (24V., 18 AMP., C.C.W.)								1			
10A,B	**1117080**	* @ GENERATOR (24V., 30 AMP., C.C.W.)				1							1
1F	**1117072**	* GENERATOR (24V., 60 AMP., C.W.)						1					
1A	**1117074**	* GENERATOR (32V., 30 AMP., C.W.)				1							
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				1							
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)						2					2
	181381	BOLT, 3/8"-24X2 1/2" (12.9001)							2				
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		1								1	
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)											
	181672	BOLT, 7/16"-20X1 3/4" (12.9001)			1							1	
	100042	BOLT, 7/16"-20X2" (12.9001)		1			1						
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)			1		1						
	112518	BOLT, 7/16"-20X2 3/8" (12.9001)									2		
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)	2	AR	AR	2		2			AR	AR	2
	106631	BOLT, 7/16"-20X2 3/4" (12.9001)											
	103342	WASHER, 7/16" (12.9190)		2	2		2		2		2	2	
	103321	LOCKWASHER, 3/8" (12.9200)						2					2
	103322	LOCKWASHER, 7/16" (12.9200)							2				
	117049	NUT, 3/8"-24 HEX. (12.9120)											
	271500	NUT, 7/16"-14 HEX. (12.9120)		2	2		2				2	2	
	456939	NUT, 7/16"-20 HEX. (12.9120)											
		* PROCURE FROM UNITED DELCO.											
		@ OBSOLETE.											
	7.1440 - FAN, GENERATOR												
10A	**1852643**	* FAN AND BAFFLE ASSY.							1				
	113904	SCREW, #12-24X7/16" (12.9025)							4				
	106498	LOCKWASHER, #12 (12.9200)							4				
	7.1500 - PULLEY, GENERATOR												
	5132527	PULLEY (2.76" DIA., 2 GROOVE)				1							
	5133093	PULLEY (2.76" DIA., 2 GROOVE)		1								1	
10A	**5133562**	PULLEY (3.25" DIA., 1 GROOVE)							1				
10A	**5108701**	PULLEY (3.25" DIA., 2 GROOVE)							1	1			
	5133953	PULLEY (3.66" DIA., 2 GROOVE)						1					1
	5133310	PULLEY (3.66" DIA., 2 GROOVE)	1				1				1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13511	13521	13531	13561	13581	13591	13611	13621	13661	13671	13771
		7.1500 - PULLEY, GENERATOR (CONT'D)											
	5136397	PULLEY (5.36" DIA., 2 GROOVE) (7.1505)			1								
		7.1505 - PULLEY, GENERATOR DRIVE											
	5133091	PULLEY (5.00" DIA., 2 GROOVE)		1								1	
1E	5134266	PULLEY (5.82" DIA., 2 GROOVE)			1								
1D	5133377	PULLEY (6.25" DIA., 2 GROOVE)	1				1	1			1		1
	5145905	PULLEY (6.29" DIA., 2 GROOVE)				1							
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)		1								1	
	180121	BOLT, 3/8"-16X7/8" (12.9001)		1								1	
	5150230	WASHER, 3/8" FLAT (3.4120)		1								1	
	103321	LOCKWASHER, 3/8" (12.9200)		1								1	
1C	272906	NUT, 3/4"-16 HEX. LOCK (12.9120)	1		1		1	1			1		1
		7.1507 - DRIVE ASSY., GENERATOR											
		INCLUDES NUT AND KEY IN 7.1505, PLUS ITEMS IN 7.1510, 7.1515, 7.1520, 7.1535, 7.1540, 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7.1535 AND 7.1540.											
1F	5133747	DRIVE ASSY.	1		1		1	1			1		1
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)	1		1		1	1			1		1
	179839	BOLT, 3/8"-16X1" (12.9001)	2		2		2	2			2		2
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)	1					4			1		4
	186317	BOLT, 3/8"-24X5" (12.9001)			3		1						
	5131478	BOLT, 3/8"-24X6" (12.4010)			1		1						
	103321	LOCKWASHER, 3/8" (12.9200)	3		6		4	6			3		6
	117049	NUT, 3/8"-24 HEX. (12.9120)			1		1						
		7.1510 - HUB, GENERATOR DRIVE PULLEY											
	5143234	HUB (1.7610)	1		1		1	1			1		1
	5143233	SHAFT (1.7640)	1		1		1	1			1		1
	5117920	SHAFT (1.7640)		1								1	
	124543	KEY, 1/4"X1" WOODRUFF (12.9350)	2		2		2	2			2		2
	181596	BOLT, 5/16"-24X7/8" (12.9001)		3								3	
	103320	LOCKWASHER, 5/16" (12.9200)		3								3	
	272906	NUT, 3/4"-16 HEX. (12.9140)	1		1		1	1			1		1
		7.1515 - SEAL, GENERATOR DRIVE OIL											
	5138710	SEAL (3.4160)	1		1		1	1			1		1
	5177786	SEAL (2.8810)										1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13511	13512	13513	13516	13518	13519	13611	13612	13616	13617	13717
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL											
	5133683 #	RETAINER	1		1		1	1			1		1
		# OBSOLETE.											
		7.1525 - GENERATOR, DRIVE BEARING AND OIL SEAL RETAINER											
1F	5122227	GASKET (1.5060)	1		1		1	1			1		1
	5134260	GASKET					1						
		7.1535 - BEARING, GENERATOR DRIVE											
	908002	BEARING (N.D. 55694L1C) (5.4332)	1		1		1	1			1		1
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING											
	5133682	SPACER (1.7665)	1		1		1	1			1		1
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
1C	274621	LOCKRING	1		1		1	1			1		1
		7.1560 - COUPLING, GENERATOR DRIVE											
	5139545	COUPLING (1.7635)	1		1		1				1		1
		7.1575 - BELT, GENERATOR DRIVE											
10A	9433888	BELT (41.50"L.,							1				
10A	5135298	BELT SET (2 BELTS) (31.00"L., W.)	1				1	1			1		1
10A	5126758	BELT SET (2 BELTS) (33.00"L., W.) (1.3320)			1								
10A	5133177	BELT SET (2 BELTS) (37.00"L., W.)		1								1	
10A	5146723	BELT SET (2 BELTS) (45.00"L., W.) (1.3320)								1			
10A	5132591	BELT SET (2 BELTS) (46.00"L., W.)				1							
		7.1580 - STRAP, GENERATOR ADJUSTING											
10A	5126799	STRAP							1				
10A	5136028	STRAP	1		1		1	1			1		1
10A	5131768	STRAP		1								1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13511	13512	13513	13516	13518	13519	13611	13622	13666	13677	13777
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)											
10A	5128546	STRAP				1							
10A	5138142	STRAP								1			
	180121	BOLT, 3/8"-16X7/8" (12.9001)	1	1									
	179839	BOLT, 3/8"-16X1" (12.9001)			1	1	1	1			1		1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1		1		1					1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)									1		
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)							1				
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)							1				
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)								1			
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)		1								1	
	181360	BOLT, 3/8"-24X3 3/4" (12.9001)						1					
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)											2
	5108435	WASHER, 3/8" (12.4010)	1		1						1		
	5150230	WASHER, 3/8" FLAT (3.4120)				1			1	1		1	
	103341	WASHER, 3/8" (12.9190)		1									
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR		AR	AR	AR
	178551	LOCKWASHER, 3/8" (12.9200)								2			
	102635	NUT, 3/8"-16 HEX. (12.9120)	1		1		1		1		1		
	117049	NUT, 3/8"-24 HEX. (12.9120)		1				1				1	
	103026	NUT, 3/8"-24 HEX. (12.9120)								1			
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP											
	5164294	SPACER, 13/32"X7/8"X1/8"	2					1					1
	5159347	SPACER, 3/4"X1/2"							1				
	5164789	SPACER, 7/8"X13/32"X3/8" (5.4025)		1								1	
	5157412	SPACER, 7/8"X1/4" (7.4013)									1		
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP											
	5133283	BRACKET		1								1	
	5124034	BRACKET								1			
	100780	SCREW, #12-24X7/8" RD. HD. (12.9025)								2			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)		2								2	
		7.1583 - SUPPORT, GENERATOR ADJUSTING STRAP											
	5135571	SUPPORT	1		1		1	1			1		1
	179839	BOLT, 3/8"-16X1" (12.9001)											1
	186317	BOLT, 3/8"-24X5" (12.9001)	2										
	103321	LOCKWASHER, 3/8" (12.9200)											1
	102635	NUT, 3/8"-16 HEX. (12.9120)											1
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
#	5128544	GUARD				1							
	5137785	GUARD						1					1
	5126796	GUARD							1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1351	1352	1353	1356	1358	1359	1361	1362	1366	1367	1377
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY (CONT'D)											
	5123739	GUARD								1			
	120628	BOLT, 1/4" (12.9001)				3				3			
	120392	WASHER, 1/4" FLAT (12.9190)				3				3			
	3844999	NUT, 1/4"-28 RETAINING (7.1587) # FIG. 10A OF 5.0000.				3				3			
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5128536	BRACKET				1							
	5128537	BRACKET				1							
	5128538	BRACKET (DRY BLOCK)				1							
	5144708	BRACKET (WBP)				1							
	5124780	BRACKET						1					1
	5138146	BRACKET								1			
	5138147	BRACKET								1			
	5123738	BRACKET								1			
	180120	BOLT, 3/8"-16X3/4" (12.9001)				1							
	179839	BOLT, 3/8"-16X1" (12.9001)						1					1
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)				1							
	180130	BOLT, 3/8"-16X2" (12.9001)								1			
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)				1							
	103341	WASHER, 3/8" (12.9190)						1					1
	103343	WASHER, 1/2" (12.9190)				2							
	103321	LOCKWASHER, 3/8" (12.9200)				2		1					1
	103323	LOCKWASHER, 1/2" (12.9200)				1							
	102635	NUT, 3/8"-16 HEX. (12.9120)						1					1
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5160425	SPACER (13/32"X23/32") (2.3267)								1			
	5196119	SPACER (7/8"X13/32"X7/8") (3.4001)				1							
		7.1595 - BRACKET, GENERATOR MOUNTING											
	5138238	@ BRACKET (FRONT)						1					1
	5138239	@ BRACKET (REAR)						1					1
	5126798	BRACKET							1				
	5131454	# BRACKET (FRONT)	1		1		1				1		
	5130735	# BRACKET (REAR)	1		1		1				1		
	5130538	BRACKET				1							
	5135411	BRACKET (FRONT)		1								1	
	5111411	BRACKET								1			
	5138141	BRACKET								1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13512	13523	13536	13558	13559	13561	13562	13566	13567	13577
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)										
	5137450	BRACKET (REAR)									1	
	444867	PLUG, 3/8" ALLEN HD. (12.9550)			1							
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)		2							2	
	454894	BOLT, 1/4"-20X3/4" (12.9001)	2		2		2	2		2		2
	213546	BOLT, 1/4"-20X1" (12.9001)		2							2	
	180078	BOLT, 5/16"-18X7/8" (12.9001)							4			
	180121	BOLT, 3/8"-16X7/8" (12.9001)		2	2							
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2		2	2	2	2	4	2
	454906	BOLT, 3/8"-16X1 1/4" (12.9001)							2			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						2				
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	2		2		2	2		2		2
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		1							1	
	271562	BOLT, 5/8"-11X2" (12.9001)							2			
	5179709	WASHER, 1/4" COPPER (2.7175)	2		2		2	2		2		2
	120392	WASHER, 9/32" (12.9190)		2							2	
	5152148	WASHER, 3/8" (2.4050)				2				2		
	103341	WASHER, 3/8" (12.9190)						2				
	120380	LOCKWASHER, 1/4" (12.9200)	2	2	2		2				2	2
	103320	LOCKWASHER, 5/16" (12.9200)							4			
	103321	LOCKWASHER, 3/8" (12.9200)		4	2			2	2		4	
	103322	LOCKWASHER, 7/16" (12.9200)	2	1	2		2	2		2	1	2
	178627	LOCKWASHER, 5/8" (12.9200)							2			
		@ REPLACE WITH (1) 5141514 BRACKET (REAR) AND INCLUDE (1) 5138803 BRACKET (FRONT).										
		# NOT SERVICED, REPLACE WITH (1) 5145154 BRACKET (FRONT), (1) 5145144 BRACKET (REAR) AND INCLUDE 1-451925 BOLT.										
		7.1596 - SUPPORT, GENERATOR BRACKET										
	5168822 @	SUPPORT							1			
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)							2			
	114674	BOLT, 3/8"-16X1 1/4" (12.9001)							2			
	103321	LOCKWASHER, 3/8" (12.9200)							4			
		@ OBSOLETE.										
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET										
	5122266	GASKET	1	1	1		1	1		1	1	1
		7.1605 - REGULATOR ASSY., VOLTAGE										
	NPN	REGULATOR (CUSTOMER FURNISHED)				AR						
@	1118883 *	REGULATOR (12V., 50 AMP.)(POS. GRD.)						1				
@	9000590 *	REGULATOR (12V., TRANSISTOR (NEG.	1								1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13351	13352	13353	13356	13358	13359	13361	13362	13366	13367	13377
		7.1605 - REGULATOR ASSY., VOLTAGE (CONT'D)											
		GRD.)											
@	1118635	* REGULATOR (24V., 18 AMP.)(NEG. GRD.)								1			
@	9000591	* REGULATOR (24V., TRANSISTOR (NEG. GRD.)				1							1
@	9000593	□ REGULATOR (32V., TRANSISTOR (NEG. GRD.)						1					
	5186495	FILTER (RADIO INTERFERENCE) (7.1800)								2			
	190741	SCREW, 1/4"-28X1" (12.9010)							4				
	120380	LOCKWASHER, 1/4" (12.9200)							4				
		@ FIG. 108 OF 8.0000.											
		□ OBSOLETE.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115841	* RELAY (12V.)	1									1	
	1115842	* RELAY (24V.)				1							1
	1115843	* RELAY (32V.)						1					
	123435	BOLT, 1/4"-28X5/8" (12.9001)										2	
	120380	LOCKWASHER, 1/4" (12.9200)										2	
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING											
	5185708	PLATE							1			1	
	5131158	PLATE										2	
	179839	BOLT, 3/8"-16X1" (12.9001)										2	
	103341	WASHER, 3/8" (12.9190)										2	
	103321	LOCKWASHER, 3/8" (12.9200)										2	
	102635	NUT, 3/8"-16 HEX. (12.9120)										2	
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966	* MOUNTING ASSY. (SHOCK)	1			1		1				1	
	5134314	BRACKET										1	
	190741	SCREW, 1/4"-28X1" FIL. HD. SL. (12.9015)										4	
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)										2	
	120380	LOCKWASHER, 1/4" (12.9200)										4	
	103321	LOCKWASHER, 3/8" (12.9200)										2	
	5170971	WASHER, 3/8" BEVEL (5.3015)										2	
	102635	NUT, 3/8"-16 HEX. (12.9120)										2	
		7.1630 - WIRE ASSY., GENERATOR TO VOLTAGE REGULATOR											
	5187801	WIRE ASSY.								2			
	5187802	WIRE ASSY.								2			
	2985054	CABLE ASSY. (12V.)	1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13511	13512	13513	13516	13518	13519	13611	13612	13616	13617	13717
		7.1630 - WIRE ASSY., GENERATOR TO VOLTAGE REGULATOR(CONT'D)											
	2985057	CABLE ASSY. (24V.)				1							1
	5186986	CABLE ASSY. (24V.)								2			
	2985055	CABLE ASSY. (32V.)						1					
	5186986	CONDUIT ASSY., SHIELDED								2			
	5187012	CONDUIT AND WIRE ASSY., SHIELDED								2			
	5187908	STRAP, GROUND								1			
	5653562	SWITCH (7.4598)										1	
	444148	TEE, 1/4" PIPE (12.9616)										1	
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)										1	
	120217	LOCKWASHER, #10 (12.9200)										2	
	120614	NUT, #10-32 HEX. (12.9120)										2	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13778	13780	13882	13883	13932	13933	13936	13937	13938	14000	14002	14005
		7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)				AR				AR	AR			
10B	1102287	* GENERATOR (12V., 25 AMP., C.W., GRD.)		1										
	1117769	* GENERATOR (12V., 62 AMP., C.W., C.C.W.)										1		1
10A,B	1106867	* GENERATOR (24V., 20 AMP., C.W., INSL.)					1							
10B	1117236	* GENERATOR (24V., 30 AMP., C.W., AC)	1		1			1						
	1117786	* GENERATOR (24V., 30 AMP., AC., GRD.)											1	
1G	1117072	* GENERATOR (24V., 60 AMP., C.W., AC)							1					
	1106870	* GENERATOR (32V., 15 AMP., C.C.W.)												
1A	1117074	* GENERATOR (32V., 60 AMP., C.W., AC)												
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)		1			1							
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)						1						
	100030	BOLT, 3/8"-24X2" (12.9001)		1										
	106288	BOLT, 3/8"-24X2 1/4" (12.9001)					1							
	181381	BOLT, 3/8"-24X2 1/2" (12.9001)						1						
	181384	BOLT, 3/8"-24X2 3/4" (12.9001)	2											1
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)									1	1	2	
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)			1									
	100042	BOLT, 7/16"-20X2" (12.9001)									1	1		1
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)			1									
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)			2									
	103342	WASHER, 7/16" (12.9190)			2									
	5131913	WASHER, 13/16"X29/64"X5/32" SPL.												
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2		2	2	2		2	2	2	2
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2		2	2	2		2	2	2	2
	117049	NUT, 3/8"-24 HEX. (12.9120)												
	456939	NUT, 7/16"-20 HEX. (12.9120)												
	271506	NUT, 7/16"-20 HEX. (12.9120)												
		7.1440 - FAN, GENERATOR												
	1866400	* FAN		1									1	1
10A	1852643	* FAN AND BAFFLE												
	113904	SCREW, #12-24X7/16" RD. HD. (12.9025)											4	4
	106498	LOCKWASHER, #12 (12.9200)											4	4
		* PROCURE FROM UNITED DELCO.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE		1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13708	13802	13823	13923	13963	13973	13980	14002	14025
		7.1500 - PULLEY, GENERATOR									
	5132527	PULLEY (2.76" DIA., 2 GROOVES)					1				
	5133093	PULLEY (2.76" DIA., 2 GROOVES)		1					1	1	
	5133561	PULLEY (3.25" DIA., 1 GROOVE)		1		1					
10A	5108701	PULLEY (3.25" DIA., 2 GROOVES)									1
	5133560	PULLEY (3.24" DIA., 1 GROOVE)								1	
	5133953	PULLEY (3.66" DIA., 2 GROOVES)	1			1					
		7.1505 - PULLEY, GENERATOR DRIVE									
1C,D	5130019	PULLEY (5.00" DIA., 1 GROOVE)								1	
1E	5122267	PULLEY (5.00" DIA., 1 GROOVE)		1		1					1
	5133091	PULLEY (5.00" DIA., 2 GROOVES)		1					1	1	
	5133095	PULLEY (5.25" DIA., 2 GROOVE)					1				
1D	5133377	PULLEY (6.25" DIA., 2 GROOVE)	1			1					
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)		1	1	1			1	1	1
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)					1			1	
	180121	BOLT, 3/8"-16X7/8" (12.9001)		1	1	1			1	1	1
	5150230	WASHER, 3/8" FLAT (3.4120)		1	1	1			1	1	1
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR			AR	AR	AR
1C	451082	NUT, 3/4"-16 HEX. (12.9120)					1			1	
		7.1507 - DRIVE ASSY., GENERATOR									
		INCLUDES NUT AND KEY IN 7.1505, PLUS ITEMS IN 7.1510, 7.1515, 7.1520, 7.1535, 7.1540 AND 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7.1535 AND 7.1540.									
1F	5133747	DRIVE ASSY.	1		1	1					
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)	1		1	1					
	179839	BOLT, 3/8"-16X1" (12.9001)	2		2	2					
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)	4		4	4					
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR					
		7.1510 - HUB, GENERATOR DRIVE PULLEY									
	5117920	SHAFT (1.7640)		1	1	1			1	1	1
	5131130	SHAFT (1.7640)					1			1	
	5143233	SHAFT	1		1	1					
	5143234	HUB (1.7610)	1		1	1					
	124543	KEY, 1/4"X1" WOODRUFF (12.9350)	2		2	2					
	181596	BOLT, 5/16"-24X7/8" (12.9001)		3	3	3			3	3	3
	103320	LOCKWASHER, 5/16" (12.9200)		3	3	3			3	3	3
	451082	NUT, 3/4"-16 HEX. (12.9120)	1		1	1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13378	13802	13823	13923	13936	13937	13938	14002	14005
		7.1515 - SEAL, GENERATOR DRIVE OIL									
	5177786	SEAL (2.8810)		1	1				1	1	1
	5138710	SEAL (3.4160)	1		1		1				
	5131329	SEAL (1.7660)					1			1	
	5131131	SPACER, SEAL (1.7665)					1			1	
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL									
	5133683	RETAINER	1		1		1				
1C	5131402 @	RETAINER ASSY. (1.7645)					1			1	
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)					4			4	
	179858	BOLT, 7/16"-14X1" (12.9001)					1			1	
	5150568	WASHER (7/16" COPPER) (2.4050)					1			1	
		@ INCLUDES OIL SEAL IN 7.1515 AND ITEMS IN 7.1535 AND 7.1545.									
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER									
1F	5122227	GASKET (1.5060)	1		1		1				
1F	5117061	GASKET (1.5040)					1			1	
		7.1535 - BEARING, GENERATOR DRIVE									
	908002	BEARING (N.D. 55694L1C) (5.4332)	1		1		1				
2	907191	BEARING (N.D. 5206W.) (1.7655)					1			1	
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING									
	5133682	SPACER (1.7665)	1		1		1				
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING									
1C	274621	LOCKRING	1		1		1				
1C	9415285	LOCKRING (2.7470)					1			1	
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING									
	5131627	PLATE (1.7630)					1				
1C	2136944	PLATE (12.4037)								1	
1C	5177026	SPACER (1.7630)					1				

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7.1000A · BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13378	13380	13382	13383	13392	13393	13396	13397	13398	14000	14002	14005
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING (CONT'D)												
	5176474	BOLT, 3/8"-24X1 1/8" (1.7630)							4					
1C	5145091	BOLT, 3/8"-24X1 5/16" (12.9001)											4	
		7.1560 - COUPLING, GENERATOR DRIVE												
	5139545	COUPLING (12.5010)	1			1		1						
		7.1575 - BELT, GENERATOR DRIVE												
	9433877	BELT (36.00"L.		1										
	5133516	BELT (38.00"L.					1							1
	5133517	BELT (39.00"L.											1	
	5135298	BELT SET (2 BELTS) (31.00"L. W.)	1					1						
	5133177	BELT SET (2 BELTS) (37.00"L. W.)			1						1	1		
	5133175	BELT SET (2 BELTS) (39.00"L. W.)							1					
		7.1580 - STRAP, GENERATOR ADJUSTING												
	5136028	STRAP	1					1						
	5127005	+ STRAP		1										
	5131768	STRAP			1						1	1		
	5134118	STRAP				1								
	5135862	STRAP					1							
	5137186	STRAP							1					
10A	5116686	STRAP											1	
	5133284	STRAP												1
	186629	BOLT, 5/16"-18X1" (12.9001)		1										
	179839	BOLT, 3/8"-16X1" (12.9001)	1					1					1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1		1		2		1	1	2	2
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)												2
	181360	BOLT, 3/8"-24X3/4" (12.9001)						1						
	181361	BOLT, 3/8"-24X7/8" (12.9001)	1	1			1							
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)			1						1	1		
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)							1					
	103341	WASHER, 3/8" FLAT (12.9190)							1					
	5150230	WASHER, 3/8" (3.4120)		1			1		1			1	1	1
	5132147	WASHER, 13/32"X1.06"X.20" SPL.			1									
	103320	LOCKWASHER, 5/16" (12.9200)		1										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR	AR	AR		AR	AR	AR	AR
	117049	NUT, 3/8"-24 HEX. (12.9120)	1	1	1		1	1						
	456939	NUT, 7/16"-20 HEX. (12.9120)									1	1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13781	13801	13821	13831	13921	13931	13961	13971	13981	14001	14021	14051
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164294	SPACER, 13/32"X7/8"X1/8"	1					1			1	1	1	
	5195501	SPACER, 5/8"X13/32"X.700" (12.4050)									1	1		
	5109349	SPACER, 1"X13/32"X.56"			1									
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5133283	BRACKET		1	1						1	1		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)									2			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)		2	2						2	2		
		7.1583 - SUPPORT, GENERATOR ADJUSTING STRAP												
	5135571	SUPPORT	1			1		1						
		7.1595 - BRACKET, GENERATOR MOUNTING												
	5138053	# BRACKET (FRONT)	1					1		1				
	5138052	# BRACKET (REAR)	1					1		1				
	5135411	BRACKET (FRONT)		1	1						1	1		1
	5134833	BRACKET (REAR)		1	1						1			1
	5100299	BRACKET (REAR)							1					
	5100300	BRACKET (FRONT)							1					
	5137450	BRACKET (REAR)										1		
	5130014	BRACKET (FRONT)											1	
	5130015	BRACKET (REAR)											1	
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)		2	2						2	2		2
	5160629	SPACER, 13/32"X7/32" (4.2270)							2				2	
	454894	BOLT, 1/4"-20X3/4" (12.9001)	2					2		2				
	213546	BOLT, 1/4"-20X1" (12.9001)		2	2						2	2		2
	179839	BOLT, 3/8"-16X1" (12.9001)	2	4	4			2		2	4	4		4
	5126695	BOLT, 3/8"-24X5 1/2" (12.4001)							2				2	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	2					2		2				
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		1	1						1	1		1
	5179709	WASHER, 1/4" COPPER (2.7175)	2		2			2		2				
	120392	WASHER, 1/4" (12.9190)		2							2	2		2
	120380	LOCKWASHER, 1/4" (12.9200)		2				2		2	2	2-		2
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR						AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR			AR		AR	AR	AR		AR
	117049	NUT, 3/8"-24 HEX. (12.9120)							2				2	
		# NOT SERVICED; USE 1-5145144 BRACKET (REAR), 1-5145154 BRACKET (FRONT) AND 1-451925 BOLT.												
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET	1	1	1			1		1	1	1		1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13781	13801	13822	13833	13922	13933	13961	13971	13981	14001	14022	14051
		7.1605 - REGULATOR ASSY., VOLTAGE												
@	1118955	* REGULATOR (12V., 25 AMP.) (POS. GRD.)		1										
@	9000590	* REGULATOR (12V., TRANSISTOR, NEG. GRD.)										1		
@	1118346	* REGULATOR (24V., 20 AMP.) (POS. GRD.)												1
@	9000591	* REGULATOR (24V., TRANSISTOR, NEG. GRD.)	1		1		1	1						
@	1118697	* REGULATOR (32V., 15 AMP.) (NEG. GRD.)											1	
@	9000593	□ REGULATOR (32V., TRANSISTOR, NEG. GRD.)							1					
	180082	BOLT, 5/16"-18X1 3/8" (12.9001)												4
	103320	LOCKWASHER, 5/16" (12.9200)												4
	123197	NUT, 5/16"-18 HEX. (12.9120)												4
		@ FIG. 10B OF 8.0000.												
		□ OBSOLETE.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY (12V.)										1		
	1115842	* RELAY (24V.)	1		1			1						
	1115843	* RELAY (32V.)							1					
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)	1		1		1	1	1			1		
	5134264	BRACKET												1
	5157412	SPACER, 7/8"X1/4" (7.4013)												2
	179839	BOLT, 3/8"-16X1" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)												2
		7.1630 - WIRE ASSY., GENERATOR TO VOLTAGE REGULATOR												
	5138344	@ WIRE ASSY.												1
	2985054	CABLE ASSY. (12V.)										1		
	2985057	CABLE ASSY. (24V.)	1		1			1						
	2985055	CABLE ASSY. (32V.)							1					
	3223197	CLIP (7.4580)												2
		@ NO LONGER AVAILABLE FOR SERVICE. CUSTOMER TO FABRICATE.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14061	14122	14152	14202	14222	14252	14323	14353	14373	14401	14411	14441
	7.1001 - GENERATOR ASSY.													
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)				AR				AR		AR		
10B	**1102287**	* GENERATOR (12V., 25 AMP., C.W., GRD.)			1									
10A	**1117070**	* GENERATOR (12V., 60 AMP., C.W., AC)						1						
	1117769	* GENERATOR (12V., 62 AMP., C.W., AC)					1							
10B	**1106868**	* GENERATOR (24V., 20 AMP., C.C.W., INSL.)									1			
10B	**1117236**	* GENERATOR (24V., 30 AMP., C.W., AC)											1	1
	1117786	* GENERATOR (24V., 30 AMP., AC., GRD.)	1											
10B	**1117080**	* @ GENERATOR (24V., 30 AMP., C.C.W., AC)							1					
1G	**1117072**	* GENERATOR (24V., 60 AMP., C.W., AC)		1										
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		1										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							1					
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)							1					
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)		1										
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)												1
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)								1				
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)												1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)			1			1		1			1	
	100030	BOLT, 3/8"-24X2" (12.9001)			1									
	106288	BOLT, 3/8"-24X2 1/4" (12.9001)						1					1	
	179864	BOLT, 7/16"-14X1 1/4" (12.9001)									2			
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)					2							
	181672	BOLT, 7/16"-20X1 3/4" (12.9001)	1											
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)	1											
	103342	WASHER, 7/16" (12.9190)	2											
	103321	LOCKWASHER, 3/8" (12.9200)		2	2			2	2				2	2
	103322	LOCKWASHER, 7/16" (12.9200)	2				2				2			
	102635	NUT, 3/8"-16 HEX. (12.9120)		2										
	117049	NUT, 3/8"-24 HEX. (12.9120)			2			2					2	
	271500	NUT, 7/16"-14 HEX. (12.9120)									2			
	456939	NUT, 7/16"-20 HEX. (12.9120)	2				2							
		@ OBSOLETE.												
	7.1440 - FAN, GENERATOR													
	1866400	* FAN			1									
10A	**1852643**	* FAN AND BAFFLE									1			
	113904	SCREW, #12-24X7/16" RD. HD. (12.9025)									4			
	106498	LOCKWASHER, #12 (12.9200)									4			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14061	14012	14155	14220	14222	14225	14320	14355	14370	14401	14411	14444
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887 *	BAFFLE			1									
		7.1500 - PULLEY, GENERATOR												
	5132527	PULLEY (2.76" DIA., 2 GROOVES)		1					1					1
	5133093	PULLEY (2.76" DIA., 2 GROOVES)	1				1							
	5133094 @	PULLEY (2.76" DIA., 2 GROOVES)						1					1	
	5133561	PULLEY (3.25" DIA., 1 GROOVE)			1									
10A	5108701	PULLEY (3.25" DIA., 2 GROOVES)									1			
		@ OBSOLETE.												
		7.1505 - PULLEY, GENERATOR DRIVE												
	5134827	PULLEY (4.66" DIA., 2 GROOVES)				1				1				
1E	5122267	PULLEY (5.00" DIA., 1 GROOVE)			1									
	5133091	PULLEY (5.00" DIA., 2 GROOVES)	1					1					1	
1E	5134266	PULLEY (5.82" DIA., 2 GROOVE)										1		
1C	5131726	PULLEY (6.25" DIA., 2 GROOVE) (1.7605)		1										
1C,D	5145905	PULLEY (6.29" DIA., 2 GROOVE)							1					
1A	5145390	PULLEY (9.00" DIA., 2 GROOVE)					1							1
1E	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1		1			1					1	
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1										
	180120	BOLT, 3/8"-16X3/4" (12.9001)												3
	180121	BOLT, 3/8"-16X7/8" (12.9001)	1		1		3	1					1	
	5150230	WASHER, 3/8" FLAT (3.4120)	1		1			1					1	
	5187641	WASHER, 25/64" (1.7605)					3							
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR		AR	AR					AR	AR
C	451082	NUT, 3/4"-16 HEX. (12.9120)		1										
		7.1507 - DRIVE ASSY., GENERATOR												
		INCLUDES NUT AND KEY IN 7.1505, PLUS ITEMS IN 7.1510, 7.1515, 7.1520, 7.1535, 7.1540 AND 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7.1535 AND 7.1540.												
1F	5133747	DRIVE ASSY.				1				1		1		
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)				1				1		1		
	179839	BOLT, 3/8"-16X1" (12.9001)				2				2		2		
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)				1				1		1		
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)								1		1		
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)				2								
	103321	LOCKWASHER, 3/8" (12.9200)				AR				AR		AR		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14061	14122	14155	14202	14222	14255	14322	14355	14377	14401	14441	14444
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
	5117920	SHAFT (1.7640)	1		1			1					1	
	5131130	SHAFT (1.7640)		1										
	5143233	SHAFT				1				1		1		
	5143234	HUB (1.7610)				1				1		1		
	124543	KEY, 1/4"X1" WOODRUFF (12.9350)				2				2		2		
	181596	BOLT, 5/16"-24X7/8" (12.9001)	3		3			3					3	
	103320	LOCKWASHER, 5/16" (12.9200)	3		3			3					3	
	451082	NUT, 3/4"-16 HEX. (12.9120)				1				1		1		
		7.1515 - SEAL, GENERATOR DRIVE OIL												
	5177786	SEAL (2.8810)											1	
	5138710	SEAL (3.4160)				1				1		1		
	5131329	SEAL (1.7660)		1										
	5131131	SPACER, SEAL (1.7665)		1										
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
	5133683	RETAINER				1				1		1		
1C	5131402 @	RETAINER ASSY. (1.7645)		1										
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		4										
	179858	BOLT, 7/16"-14X1" (12.9001)		1										
	5150568	WASHER (7/16" COPPER) (2.4050)		1										
		@ INCLUDES OIL SEAL IN 7.1515 AND ITEMS IN 7.1535 AND 7.1545.												
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
1F	5122227	GASKET (1.5060)				1				1		1		
1F	5117061	GASKET (1.5040)		1										
		7.1535 - BEARING, GENERATOR DRIVE												
	908002	BEARING (N.D. 55694L1C) (5.4332)				1				1		1		
1C	907191	BEARING (N.D. 5206W.) (1.7655)		1										
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING												
	5133682	SPACER (1.7665)				1				1		1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1406	1412	1415	1420	1422	1425	1432	1435	1437	1440	1441	1444
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING												
1C	274621	LOCKRING				1				1		1		
1C	9415285	LOCKRING (2.7470)		1										
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING												
	5170450	PLATE (1.7630)		1										
1C	5145092	BOLT, 3/8"-20X1.20" SELF-LOCK		4										
		7.1560 - COUPLING, GENERATOR DRIVE												
	5139545	COUPLING (12.5010)				1				1		1		
		7.1575 - BELT, GENERATOR DRIVE												
	9433877	BELT (36.00"L.,			1									
	9433888	BELT (41.50"L.,									1			
	5133177	BELT SET (2 BELTS) (37.00"L., W.)	1					1					1	
	5133613	BELT SET (2 BELTS) (30.00"L., W.)		1										
	5137635	BELT SET (2 BELTS) (44.00"L., W.)					1							
	5132591	BELT SET (2 BELTS) (46.00"L., W.)							1					
	5133445	BELT SET (2 BELTS) (49.00"L., W.)												1
		7.1580 - STRAP, GENERATOR ADJUSTING												
	5131768	STRAP	1					1					1	
	5109697	STRAP		1										
	5109538	STRAP					1							
	5128546	STRAP							1					
	5124354	STRAP									1			
	5100344	STRAP												1
	186629	BOLT, 5/16"-18X1" (12.9001)			1									
	179839	BOLT, 3/8"-16X1" (12.9001)					1		1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1	2				1			1		1	1
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)												1
	180130	BOLT, 3/8"-16X2" (12.9001)									1			
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)					1							
	181361	BOLT, 3/8"-24X7/8" (12.9001)			1			1					1	
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	1											
	5150230	WASHER, 3/8"(3.4120)	1	1	1			1	1		1		1	1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14061	14012	14115	14201	14222	14225	14323	14335	14337	14401	14411	14414
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	103320	LOCKWASHER, 5/16" (12.9200)			1									
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR	AR	AR		AR		AR	AR
	102635	NUT, 3/8"-16 HEX. (12.9120)		1										
	117049	NUT, 3/8"-24 HEX. (12.9120)	1	1	1		1	1					1	
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5156404	SPACER, 3/8"-16X2 3/4"					1							
	5164294	SPACER, 13/32"X7/8"X1/8"					1							
	5129605	SPACER, 13/32"X7/8"X1 1/16"									1			
	5164789	SPACER, 7/8"X13/32"X3/8" (5.4025)	1											
	5159347	SPACER, 3/4"X1/2"												1
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5133283	BRACKET	1		1			1					1	
	5132339	BRACKET		1										
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2		2			2					2	
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)		2										
	103343	WASHER, 1/2" FLAT (12.9190)		2										
	103323	LOCKWASHER, 1/2" (12.9200)		2										
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
#	5123739	GUARD									1			
#	5129317	* GUARD												1
	5132349	GUARD		1										
	454745	SCREW, 1/4"-28X1/2" (12.9025)		2										
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)		1										
	451699	BOLT, 1/2"-13X6 1/4" (12.9001)												2
	120380	LOCKWASHER, 1/4" (12.9200)		2										
	103321	LOCKWASHER, 3/8" (12.9200)		1										
	121902	NUT, 1/4"-20 HEX.-(12.9120)		2										
		# FIG. 10A OF 5.0000.												
		* OBSOLETE.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5108612	BRACKET												2
	5131201	BRACKET												2
	5131202	* BRACKET												1
	5144708	BRACKET									1			
	5123735	BRACKET									1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14061	14412	14415	14420	14422	14425	14432	14435	14437	14440	14441	14444
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD(CONT'D)												
	5123738	BRACKET									1			
	5129073	BRACKET		1										
	5132424	BRACKET		1										
	454745	SCREW, 1/4"-28X1/2" (12.9025)									3			
	5157412	SPACER (7/8"X1/4") (7.4013)		1										
	5170676	SPACER (2.9010)		1										
	181333	BOLT, 5/16"-24X5/8" (12.9001)												3
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)									1			
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)		1										
	106340	BOLT, 1/2"-13X7/8" (12.9001)									1			
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)		1										
	103341	WASHER, 3/8" FLAT (12.9190)		1										
	103343	WASHER, 1/2" (12.9190)		1							1			
	103342	WASHER, 7/16" (12.9190)									1			
	103320	LOCKWASHER, 5/16" (12.9200)												3
	103321	LOCKWASHER, 3/8" (12.9200)		1										
	103323	LOCKWASHER, 1/2" (12.9200)		1							1			
	5123531	NUT (1/4"-28)									3			
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5123429	SPACER (13/32"X13/16"X19/32") (2.3530)		1										
	5131852	SPACER (1/2"X3 1/2")												2
	5164789	SPACER (7/8"X13/32"X7/8") (5.4025)									1			
		* OBSOLETE												
		7.1595 - BRACKET, GENERATOR MOUNTING												
	5138053 #	BRACKET (FRONT)								1				
	5138052 #	BRACKET (REAR)								1				
	5135411	BRACKET (FRONT)	1										1	
	5134833	BRACKET (REAR)											1	
	5137450	BRACKET (REAR)	1											
	5132234	BRACKET		1										
	5131801	BRACKET (FRONT)			1									
	5130042	BRACKET (REAR)			1									
	5139164	BRACKET					1							
	5142126	BRACKET (FRONT)						1						
	5141363	BRACKET (REAR)						1						
	5126798	BRACKET									1			
	5136702	BRACKET										1		
	5130858	BRACKET												1
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)	2					2					2	
	454894	BOLT, 1/4"-20X3/4" (12.9001)								2				
	213546	BOLT, 1/4"-20X1" (12.9001)			2			2					2	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1406	1412	1415	1420	1422	1425	1432	1435	1437	1440	1441	1444
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	179839	BOLT, 3/8"-16X1" (12.9001)	4		4		2	4		2			4	3
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)									4			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		2										
	179858	BOLT, 7/16"-14X1" (12.9001)					2							
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)								2				
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)										2		
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1		1			1					1	
	5179709	WASHER, 1/4" COPPER (2.7175)								2				
	120392	WASHER, 1/4" (12.9190)	2		2			2					2	
	103341	WASHER, 3/8" (12.9190)		AR	AR						AR			
	5152148	WASHER, 3/8" FLAT (2.4050)								2				
	120380	LOCKWASHER, 1/4" (12.9200)	2		2			2					2	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR	AR			AR		AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR		AR		AR	AR		AR		AR	AR	
	102635	NUT, 3/8"-16 HEX. (12.9120)		2										
		# NOT SERVICED; USE 1-5145144 BRACKET (REAR), 1-5145154 BRACKET (FRONT) AND 1-451925 BOLT.												
		7.1596 - SUPPORT, GENERATOR BRACKET												
	5128547	SUPPORT (7.1595)							1					
	5132340 @	PLATE		1					4					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2					4					
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)												
	103321	LOCKWASHER, 3/8" (12.9200)												
	103323	LOCKWASHER, 1/2" (12.9200)		2										
		@ NO LONGER AVAILABLE FOR SERVICE. CUSTOMER TO FABRICATE.												
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET	1		1			1		1			1	
		7.1605 - REGULATOR ASSY., VOLTAGE												
@	1118955 *	REGULATOR (12V., 25 AMP.) (POS. GRD.)			1									
@	9000590 *	REGULATOR (12V., TRANSISTOR, NEG. GRD.)					1	1			1			
@	1119185 *	REGULATOR (24V., 20 AMP.) (NEG. GRD.)												
@	9000591 *	REGULATOR (24V., TRANSISTOR, NEG. GRD.)		1					1		4		1	1
	190741	SCREW, 1/4"-28X1" (12.9010)												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14066	14122	14155	14200	14222	14225	14322	14355	14377	14400	14411	14444
		7.1605 - REGULATOR ASSY., VOLTAGE (CONT'D)												
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)			4									
	120380	LOCKWASHER, 1/4" (12.9200) @ FIG. 10B OF 8.0000.			4						4			
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841 *	RELAY (12V.)					1	1						
	1115842 *	RELAY (24V.)		1					1				1	1
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5185708	PLATE									1			
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966 *	MOUNTING ASSY. (SHOCK)		1			1	1		1	1		1	1
	5131682	BRACKET (7.1606)			1									
	5140026	BRACKET (7.1582)										1		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			2									
		7.1630 - WIRE ASSY., GENERATOR TO VOLTAGE REGULATOR												
	2985054	CABLE ASSY. (12V.)					1	1						
	2985057	CABLE ASSY. (24V.)							1				1	1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1446	1453	1457	1459	1460	1464	1465	1467	1468	1469	1475	1476
		7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)					1		1		1	1		
10A,B	**1102287**	* GENERATOR (12V., 25 AMP. C.W. GRD.)	1											
10A,B	**1117079**	* GENERATOR (32V., 30 AMP., C.C.W., AC)		1										
10A,B	**1106868**	* GENERATOR (24V., 20 AMP., C.C.W., INSL.)			1									
10A,B	**1117095**	* GENERATOR (24V., 30 AMP., C.C.W., AC)				1								
10A,B	**1117065**	* # GENERATOR (32V., 60 AMP., C.C.W., AC)						1						
10A,B	**1117090**	* GENERATOR (12V., 85 AMP., AC NEG. GRD.)								1				
10A,B	**1117072**	* GENERATOR (24V., 60 AMP., AC - C.C.W.)											1	
10A,B	**1106867**	* GENERATOR (24V., 20 AMP., C.W. INSL.)												1
	5122168	SPACER, 15/32"I.D.X1.00"X.46"								1				
	5134205	SPACER (7.1581)								1				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		2										
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	1											
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)											1	
	100030	BOLT, 3/8"-24X2" (12.9001)	1										1	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)				1		1						
	186626	BOLT, 7/16"-14X1 5/8" (12.9001)				1		1						
	433859	BOLT, 7/16"-14X2 3/8" (12.9001)							1					
	454934	BOLT, 7/16"-14X2 1/2" (12.9001)							1					
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)			2						1			
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)												1
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)									1			1
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)					2							
	181412	BOLT, 7/16"-20X3 1/4" (12.9001)								1				
	223622	BOLT, 7/16"-20X4" (12.9001)								1				
	103321	LOCKWASHER, 3/8" (12.9200)	2	2									2	
	103322	LOCKWASHER, 7/16" (12.9200)			2	2	2	2	2	2	2			2
	117049	NUT, 3/8"-24 HEX. (12.9120)	2										2	
	271500	NUT, 7/16"-14 HEX. (12.9120)							2					
	271506	NUT, 7/16"-20 HEX. (12.9120)			2									
	456939	NUT, 7/16"-20 HEX. (12.9120)					2			2	2			2
		# FOR TYPE 1464 CONVERT TO TYPE 1802												
		7.1440 - FAN, GENERATOR												
10A	**1866400**	* FAN	1											
10A	**1852643**	* FAN AND BAFFLE			1									1
10A	**1952955**	* FAN AND BAFFLE				1		1						

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1446	1453	1457	1459	1460	1464	1465	1467	1468	1469	1475	1478
		7.1440 - FAN, GENERATOR (CONT'D)												-
10A	**1949548** *	FAN AND BAFFLE								1				
	113904	SCREW, #12-24X7/16" RD. HD. SL. (12.9025)			4									4
	132971	SCREW, #12-24X3/8" RD. HD. SL. (12.9025)				4		4		4				
	106498	LOCKWASHER, #12 (12.9200)			4	4		4		4				4
		7.1500 - PULLEY, GENERATOR												
10A	**5133561**	PULLEY (3 1/4" DIA., 1 GROOVE)	1										1	
10A	**5132527**	PULLEY (2.76" DIA., 2 GROOVE)		1										
10A	**5133560**	PULLEY (3 1/4" DIA., 1 GROOVE)			1									
10A	**5133563**	PULLEY (2.76" DIA., 2 GROOVE)				1		1						
10A	**5133310**	PULLEY (3.66" DIA., 2 GROOVE)					1		1					
10A	**5108701**	PULLEY (3 1/4" DIA., 2 GROOVE)								1				1
10A	**5133093**	PULLEY (2.76" DIA., 2 GROOVE)									1			
		7.1505 - PULLEY, GENERATOR DRIVE												
1D	**5122267**	PULLEY (5" DIA., 1 GROOVE) (1.7605)	1										1	1
1C,F	**5132667**	PULLEY (6.29" DIA., 2 GROOVE)		1										
1D	**5130019**	PULLEY (5" DIA., 1 GROOVE)			1									
1C,F	**5145905**	PULLEY (6.29" DIA., 2 GROOVE)				1		1						
1C,F	**5133377**	PULLEY (6.25" DIA., 2 GROOVE)					1		1					
1C,F	**5134827**	PULLEY (4.66" DIA., 2 GROOVE)								1				
1C,F	**5133091**	PULLEY (5.00" DIA., 2 GROOVE)									1			
1C,D	**103904**	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1								1		1	1
1C,D	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)			1									
1D	**180121**	BOLT, 3/8"-16X7/8" (12.9001)	1								1		1	1
1D	**5150230**	WASHER, 3/8"-1 3/16" FLAT (3.4120)	1								1		1	1
	5132147	WASHER, 13/32"X1.06"X.20"							1					
	5131913	WASHER, 13/16"X29/64"X5/32" (3.4001)							3					
1D	**103321**	LOCKWASHER, 3/8" (12.9200)	1								1		1	1
1C,D	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9140)			1									
		7.1507 - DRIVE ASSY., GENERATOR												
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540 AND 7.1545. A KIT INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1540.												
	5133747	DRIVE ASSY.					1		1	1		1		
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)					1		1	1		1		
	179839	BOLT, 3/8"-16X1" (12.9001)					2		2	2		2		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14466	14531	14571	14591	14600	14644	14655	14671	14688	14699	14755	14766
		7.1507 - DRIVE ASSY., GENERATOR (CONT'D)												
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)								4		4		
	186317	BOLT, 3/8"-24X5" (12.9001)					3		3					
	5131478	BOLT, 3/8"-24X6" (12.4010)					1		1					
	103321	LOCKWASHER, 3/8" (12.9200)					AR		AR			AR		
	117049	NUT, 3/8"-24 HEX. (12.9120)					1		1					
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
1F	5143234	HUB (1.7610)					1		1	1		1		
1F	5117920	HUB (1.7640)	1				1		1	1	1	1	1	1
1F	5143233	SHAFT (1.7640)					1		1	1		1		
1F	124543	KEY, 1/4"X1" WOODRUFF (12.9350)					2		2	2		2		
1D	181596	BOLT, 5/16"-24X7/8" (12.9001)	3								3		3	3
1D	103320	LOCKWASHER, 5/16" (12.9200)	3								3		3	3
1F	272906	NUT, 3/4"-16 HEX. LOCK (12.9120)					1		1	1		1		
		7.1515 - SEAL, GENERATOR DRIVE OIL												
	5177786	SEAL (1.7620)	1								1			1
1F	5138710	SEAL (3.4160)					1		1	1		1		
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
		A RETAINER ASSY. INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1545.												
1F	5133683	RETAINER (1.7645)					1		1	1		1		
1C	5131402	RETAINER ASSY. (1.7645)			1									
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
1F	5104507	GASKET (1.5060)					1		1	1		1		
		7.1535 - BEARING, GENERATOR DRIVE												
1F	908002	BEARING (N.D. 55694L1C) (5.4332)					1		1	1		1		
1C	907191	BEARING (N.D. 5206W) (1.7655)			1									
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING												
	5133682	SPACER (1.7665)					1		1	1		1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1446	1453	1457	1459	1460	1464	1465	1467	1468	1469	1475	1476
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING												
1F	274621	LOCKRING					1		1	1		1		
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING												
1C	2136944	PLATE (12.4037)			1									
1C	5145092	BOLT, 3/8"-20X1.20" SELF-LOCK			4									
		7.1560 - COUPLING, GENERATOR DRIVE												
	5139545	COUPLING (12.5010)					1		1	1		1		
		7.1575 - BELT, GENERATOR DRIVE												
10A	9433877	BELT (36.00" L.)	1											
10A	5133517	BELT (39.00" L.)			1									
10A	5133516	BELT (38.00" L.)											1	1
	5126755	BELT SET (2 BELTS) (28.00" L., W.)								1				
	5132386	BELT SET (2 BELTS) (30.00" L., W.)							1					
	5135298	BELT SET (2 BELTS) (31.00" L., W.)						1						
	5133177	BELT SET (2 BELTS) (37.00" L., W.)									1			
	5132591	BELT SET (2 BELTS) (45.72" L., W.)		1		1		1						
		7.1580 - STRAP, GENERATOR ADJUSTING												
	NPN	STRAP, (CUSTOMER FURNISHED)					1				1	1		
10A	5127005	+ STRAP	1											
10A	5128546	STRAP		1										
10A	5116686	STRAP			1									
10A	5139464	STRAP				1		1						
10A	5136028	STRAP							1	1				
10A	5121069	STRAP											1	
10A	5133284	STRAP												1
	5135571	SUPPORT (ADJUSTING STRAP) (7.1583)					1		1	1		1		
	186629	BOLT, 5/16"-18X1" (12.9001)	1											
	179839	BOLT, 3/8"-16X1" (12.9001)		1	1	1	1	1	1	1				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1		1						1	1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							1		1			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)												2
	181361	BOLT, 3/8"-24X7/8" (12.9001)	1							1			1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14466	14553	14557	14559	14560	14564	14565	14567	14568	14569	14575	14576
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)									1			
	5150230	WASHER, 3/8" FLAT (3.4120)	1	1	1	1		1					1	1
	5108435	WASHER, 3/8" FLAT (12.4010)							1	1				
	103320	LOCKWASHER, 5/16" (12.9200)	1											
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR		AR	AR
	102635	NUT, 3/8"-16 HEX. (12.9120)					1		1					
	117049	NUT, 3/8"-24 HEX. (12.9120)	1							1			1	
	456939	NUT, 7/16"-20 HEX. (12.9120)									1			
		+ OBSOLETE.												
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164294	SPACER (13/32"X7/8"X1/8")			1						1			
	5157412	SPACER (7/8"X1/4") (7.4013)							1					
	5195501	SPACER (13/32"X.624"X.700")									1			
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5133283	BRACKET	1								1		1	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)									2			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2								2		2	
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5128544	GUARD		1		1		1						
	120628	BOLT, 1/4" (12.9001)		3		3		3						
	120392	WASHER, 1/4" FLAT (12.9190)		3		3		3						
	3844999	NUT, 1/4"-28 RETAINING		3		3		3						
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5128537	BRACKET		1		1		1						
	5144708	BRACKET (WBP)				1		1						
	5128538	BRACKET (DRY BLOCK)		1		1		1						
	5128536	BRACKET		1		1		1						
	180120	BOLT, 3/8"-16X3/4" (12.9001)		1		1		1						
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)		1		1		1						
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)		1		1		1						
	103341	WASHER, 3/8" FLAT (12.9190)						1						
	103343	WASHER, 1/2" FLAT (12.9190)		2		1		1						
	103321	LOCKWASHER, 3/8" (12.9200)		2		2		2						
	103323	LOCKWASHER, 1/2" (12.9200)	1			1		1						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14466	14453	14457	14459	14460	14664	14665	14667	14668	14669	14675	14676
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5164789	SPACER, 7/8"X13/32"X7/8" (5.4025)		1		1		1						
		7.1595 - BRACKET, GENERATOR MTG.												
	5142126	BRACKET (FRONT)	1											
	5141363	BRACKET (REAR)	1											
1A	5135411	BRACKET (FRONT)									1		1	1
	5137450	BRACKET (REAR)									1		1	1
	5130538	BRACKET		1										
1A	5130014	BRACKET (FRONT)			1									
	5133015	BRACKET (REAR)			1									
	5140168	BRACKET				1		1						
1A	5138053 @	BRACKET (FRONT)					1		1	1				
	5138052 @	BRACKET (REAR)					1		1	1				
	444867	PLUG, 3/8" ALLEN HD. (12.9550)		1										
	454894	BOLT, 1/4"-20X3/4" (12.9001)					2		2	2				
	213546	BOLT, 1/4"-20X1" (12.9001)	2								2		2	2
	180121	BOLT, 3/8"-16X7/8" (12.9001)											2	
	179839	BOLT, 3/8"-16X1" (12.9001)	4				2		2	2	4		2	4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		4		4		4						
	5131478	BOLT, 3/8"-24X6"			2									
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)					2		2	2				
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1								1		1	1
	5179709	WASHER, 1/4" COPPER (2.7175)	2				2		2	2				
	120392	WASHER, 9/32"X5/8" (12.9200)	2								2		2	2
	103341	WASHER, 3/8" (12.9200)	2										2	
	5152148	WASHER, 3/8"X9/16" (2.4050)							2	2				
	120380	LOCKWASHER, 1/4" (12.9200)					2				2		2	2
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	2	4		4			4		4	4
	103322	LOCKWASHER, 7/16" (12.9200)	1				2		2	2	1		1	1
	117049	NUT, 3/8"-24 HEX. (12.9120)			2									
		@ NOT SERVICED; REPLACE WITH (1) 5145154 BRACKET (FRONT), (1) 5145144 BRACKET (REAR) AND INCLUDE (1) 451925 BOLT.												
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET	1				1		1	1	1		1	1
	5117734	GASKET (1.1070)		1										
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5160629	SPACER (13/32"X7/32") (4.2270)			2									
	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)									2			2

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14466	14453	14457	14459	14460	14464	14465	14467	14468	14469	14475	14476
		7.1605 - REGULATOR ASSY.												
	NPN	REGULATOR (CUSTOMER FURNISHED)					AR		AR	AR	AR	AR		
	1118955	* REGULATOR (12V., 25 AMP., POS. INSL.)	1											
	1118346	* REGULATOR (24V., 20 AMP., POS. INSL.)			1									
	9000591	* REGULATOR (24V., TRANSISTOR, NEG. GRD.)				1							1	
	1119185	* REGULATOR (24V., 20 AMP., NEG. GRD.)												1
	9000593	# REGULATOR (32V., TRANSISTOR, NEG. GRD.)		1				1						
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)	4											
	120380	LOCKWASHER, 1/4" (12.9200)	4											
		# OBSOLETE												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115842	* RELAY (24V.)				1							1	
	1115843	* # RELAY (32V.)		1				1						
		# OBSOLETE												
		7.1612 - MOUNTING ASSY., VOLTAGE REG.												
	1910966	* MOUNTING ASSY. (SHOCK)		1		1		1					1	1
	5131682	BRACKET	1											1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2											2
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)												4
	120380	LOCKWASHER, 1/4" (12.9200)												4
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985057	CABLE ASSY. (24V.)				1							1	
	2985055	* CABLE ASSY. (32V.)		1				1						
		* OBSOLETE												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14477	14479	14488	14491	14493	14494	14496	15004	15008	15110	15116
		7.1001 - GENERATOR ASSY.											
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.											
	NPN	GENERATOR (CUSTOMER FURNISHED)									1		
10A,B	1117065	* GENERATOR (32V., 60 AMP., C.C.W.,AC)	1										
10A,B	1117072	* GENERATOR(24V., 60 AMP., AC-C.C.W.)						1					
10A,B	1117556	* GENERATOR (32V.,40AMP.,C.C.W. INSL.)		1									
10A,B	1117780	* @ GENERATOR (12V., 55 AMP. C.C.W. NEG. GRD.)			1								
10A,B	1117075	* GENERATOR(24V., 60 AMP.,C.C.W. NEG.) GRD.)				1							
10A,B	1117781	* GENERATOR(12V., 62 AMP. C.W./C.C.W. NEG. GRD.)					1						
10A,B	1117679	* GENERATOR(12V., 215 AMP., C.W./C.C. W. NEG. GRD.)							1				
10A,B	1117070	* GENERATOR(12V., 60AMP.,C.W. NEG. GRD.)								1			
10A,B	1117080	* GENERATOR (24V.,30AMP.,C.C.W.NEG. GRD.)										1	
10A,B	1106824	* GENERATOR(12V., 50AMP.,C.W. INSL.)											1
	5134205	SPACER (7.1581)					2						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				1							
	179844	BOLT, 3/8"-16X1 3/8" (12.9001)				1						1	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										1	
	9414215	BOLT, 3/8"-16X2 1/2" (12.9001)								2			
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)						1					
	100030	BOLT, 3/8"-24X2" (12.9001)						1					
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1										
	186626	BOLT, 7/16"-14X1 5/8" (12.9001)	1										
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)					1						
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)					1						
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)											1
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)									1		
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)									1		1
	106631	BOLT, 7/16"-20X2 3/4" (12.9001)			2								
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)		2									
	103342	WASHER, 7/16" (12.9190)			3		2						
	103321	LOCKWASHER, 3/8" (12.9200)				2		2		2		2	
	103322	LOCKWASHER, 7/16" (12.9200)	2		2		2				2		2
	103325	LOCKWASHER, 5/8" (12.9200)		2									
	102635	NUT, 3/8"-16 HEX. (12.9120)								2			
	117049	NUT, 3/8"-24 HEX. (12.9120)						2					
	271500	NUT, 7/16"-14 HEX. (12.9120)					2						
	456939	NUT, 7/16"-20 HEX. (12.9120)			2						2		2
	102639	NUT, 5/8"-11 HEX. (12.9120)		2									

@ OBSOLETE.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14778	14791	14881	14913	14944	14966	15044	15088	15108	15166
		7.1440 - FAN, GENERATOR										
10A	1910089 *	FAN		1								
10A	1963243 *	FAN						1				
10A	1852643 *	FAN AND BAFFLE								1		1
10A	1952955 *	FAN AND BAFFLE	1									
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)		1								
	113904	SCREW, #12-24X7/16" RD. HD. SL. (12.9025)								4		4
	132971	SCREW, #12-24X3/8" RD. HD. SL. (12.9025)	4									
	180016	BOLT, 1/4"-20X1/2" (12.9001)		4								
	106498	LOCKWASHER, #12 (12.9200)	4							4		4
	120380	LOCKWASHER (12.9200)		4								
		7.1500 - PULLEY, GENERATOR										
10A	5133561	PULLEY (3 1/4" DIA., 1 GROOVE)					1					
10A	5132527	PULLEY (2.76" DIA., 2 GROOVE)			1						1	
10A	5133563	PULLEY (2.76" DIA., 2 GROOVE)	1									
10A	5133310	PULLEY (3.66" DIA., 2 GROOVE)			1							
10A	5108701	PULLEY (3 1/4" DIA., 2 GROOVE)				1						1
10A	5133093	PULLEY (2.76" DIA., 2 GROOVE)								1		
10A	5122552	PULLEY (4" DIA., 2 GROOVE)		1								
10A	5126857	PULLEY (3.20" DIA., 2 GROOVE)							1			
		7.1505 - PULLEY, GENERATOR DRIVE										
	5122267	PULLEY (5" DIA., 1 GROOVE) (1.7605)					1					1
1C,F	5132667	PULLEY (6.29" DIA., 2 GROOVE)									1	
1C,F	5145905	PULLEY (6.29" DIA., 2 GROOVE)				1						
1C,F	5133377	PULLEY (6.25" DIA., 2 GROOVE)			1							
1C,F	5134827	PULLEY (4.66" DIA., 2 GROOVE)										
1C,F	5133091	PULLEY (5.00" DIA., 2 GROOVE)								1		
1C,F	5132669	PULLEY (6.29" DIA., 2 GROOVE)	1									
1C,D	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)					1			1		1
1D	180121	BOLT, 3/8"-16X7/8" (12.9001)					1			1		1
1D	5150230	WASHER, 3/8"-1 3/16" FLAT (3.4120)					1			1		1
1D	103321	LOCKWASHER, 3/8" (12.9200)					1			1		1
		7.1507 - DRIVE ASSY., GENERATOR										
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540 AND 7.1545. A KIT INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1540.										
	5133747	DRIVE ASSY.			1		1					
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)			1		1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14477	14479	14488	14491	14493	14494	14496	15004	15088	15110	15116
		7.1507 - DRIVE ASSY., GENERATOR (CONT'D)											
	179839	BOLT, 3/8"-16X1" (12.9001)			2		2						
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)			1		4						
	103321	LOCKWASHER, 3/8" (12.9200)			AR		AR						
		7.1510 - HUB, GENERATOR DRIVE PULLEY											
1F	5143234	HUB (1.7610)			1		1						
1F	5117920	HUB (1.7640)						1			1		1
1F	5143233	SHAFT (1.7640)			1		1						
1C	5131130	SHAFT (1.7640)			1								
1F	124543	KEY, 1/4"X1" WOODRUFF (12.9350)			2		2						
1D	181596	BOLT, 5/16"-24X7/8" (12.9001)						3			3		3
1D	103320	LOCKWASHER, 5/16" (12.9200)						3			3		3
1F	272906	NUT, 3/4"-16 HEX. LOCK (12.9120)			1		1						
		7.1515 - SEAL, GENERATOR DRIVE OIL											
	5177786	SEAL (1.7620)									1		1
1F	5138710	SEAL (3.4160)			1		1						
1C	5131329	SEAL (1.7660)			1								
	5131131	SPACER, SEAL (1.7665)			1								
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL											
		A RETAINER ASSY. INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1545.											
1F	5133683	RETAINER (1.7645)			1		1						
1C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)			4								
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER											
1F	5104507	GASKET (1.5060)			1		1						
		7.1535 - BEARING, GENERATOR DRIVE											
1F	908002	BEARING (N.D. 55694L1C) (5.4332)			1		1						
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING											
	5133682	SPACER (1.7665)			1		1						

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14477	14479	14488	14491	14493	14494	14496	15004	15008	15110	15116
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
1F	274621	LOCKRING			1		1						
1C	9415285	LOCKRING (2.7470)			1								
		7.1560 - COUPLING, GENERATOR DRIVE											
	5139545	COUPLING (12.5010)			1		1						
		7.1575 - BELT, GENERATOR DRIVE											
	NPN	BELT (CUSTOMER FURNISHED)							AR				
10A	5133516	BELT (38.00"L.,						1					1
	5126755	BELT SET (2 BELTS) (28.00"L., 500" W.)					1						
	5135298	BELT SET (2 BELTS) (31.00"L., 500" W.)			1								
	5133177	BELT SET (2 BELTS) (37.00" L.,.380" W.)									1		
	5133601	BELT SET (2 BELTS) (41.00" L.,.380" W.)								1			
	5126764	BELT SET (2 BELTS) (44.80" L., W.)		1									
	5132591	BELT SET (2 BELTS) (45.72" L., W.)	1			1						1	
		7.1580 - STRAP, GENERATOR ADJUSTING											
10A	5128546	STRAP				1						1	
10A	5139464	STRAP	1										
10A	5136028	STRAP			1								
10A	5121069	STRAP						1					
10A	5133284	STRAP											1
10A	5122550	STRAP		1									
10A	5173255	STRAP					1						
10A	5137229	STRAP								1			
10A	5131768	STRAP									1		
	5135571	SUPPORT (ADJUSTING STRAP) (7.1583)			1								
	180121	BOLT, 3/8"-16X7/8" (12.9001)			1								
	179839	BOLT, 3/8"-16X1" (12.9001)	1			1				1		1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1			1			1		1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					1						
	179849	BOLT, 3/8"-16X2 1/2" (12.9001)								1			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)											2
	181361	BOLT, 3/8"-24X7/8" (12.9001)						1			1		
	186317	BOLT, 3/8"-24X5" (12.9001)			2								
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)		1									
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)				1							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14477	14479	14488	14491	14493	14494	14496	15004	15008	15010	15016
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)											
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)		1									
	5150230	WASHER, 3/8" FLAT (3.4120)	1			1		1			1	1	1
	5108435	WASHER, 3/8" FLAT (12.4010)			1								
	5108436	WASHER, 15/32" (7.1598)								1			
	103343	WASHER, 1/2" (12.9190)				1							
	120396	WASHER, 17/32" (12.9190)		1									
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR	AR		AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)		1		1							
	103323	LOCKWASHER, 1/2" (12.9200)		1									
	102635	NUT, 3/8"-16 HEX. (12.9120)			1								
	117049	NUT, 3/8"-24 HEX. (12.9120)						1			1		
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP											
	5164294	SPACER (13/32"X7/8"X1/8")					1						
	5157412	SPACER (7/8"X1/4") (7.4013)					1						
	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)			2								
	5175304	SPACER (13/32"X3/4"X1 1/16")								1			
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP											
	5133283	BRACKET						1			1		
	5122554	BRACKET		1									
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)						2			2		
	186627	BOLT, 3/8"-24X1" (12.9001)		1									
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)		1									
	103321	LOCKWASHER, 3/8" (12.9200)		2									
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
	5128544	GUARD	1									1	
	120628	BOLT, 1/4" (12.9001)	3									3	
	120392	WASHER, 1/4" FLAT (12.9190)	3									3	
	3844999	NUT, 1/4"-28 RETAINING	3									3	
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5128537	BRACKET	1									1	
	5144708	BRACKET (WBP)	1									1	
	5128538	BRACKET (DRY BLOCK)	1									1	
	5128536	BRACKET	1									1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)	1									1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14777	14779	14881	14891	14893	14944	14966	15044	15088	15100	15116
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD(CONT'D)											
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	1									1	
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	1									1	
	103343	WASHER, 1/2" FLAT (12.9190)	1									2	
	103321	LOCKWASHER, 3/8" (12.9200)	2									2	
	103323	LOCKWASHER, 1/2" (12.9200)	1									1	
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5164789	SPACER, 7/8"X13/32"X7/8" (5.4025)	1									1	
		7.1595 - BRACKET, GENERATOR MTG.											
1A	5135411	BRACKET (FRONT)						1			1		1
	5137450	BRACKET (REAR)						1			1		1
	5140168	BRACKET	1										
1A	5138053 @	BRACKET (FRONT)			1		1						
	5138052 @	BRACKET (REAR)			1		1						
	5122548	BRACKET		2									
	5128547	BRACKET				1						1	
	5134472 #	BRACKET (FRONT)								1			
	5134474 #	BRACKET (REAR)								1			
	454894	BOLT, 1/4"-20X3/4" (12.9001)			2		2						
	213546	BOLT, 1/4"-20X1" (12.9001)						2			2		2
	179839	BOLT, 3/8"-16X1" (12.9001)			2		2	4			4		4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	4		4						4	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)								6			
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)			2		2						
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						1			1		1
	5179709	WASHER, 1/4" COPPER (2.7175)			2		2						
	120392	WASHER, 9/32"X5/8" (12.9200)						2			2		2
	5152148	WASHER, 3/8"X9/16" (2.4050)					2						
	120380	LOCKWASHER, 1/4" (12.9200)			2			2			2		2
	103321	LOCKWASHER, 3/8" (12.9200)	4	4		4		4		6	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)			2		2	1			1		1
		@ NOT SERVICED; REPLACE WITH (1) 5145154 BRACKET (FRONT), (1) 5145144 BRACKET (REAR) AND INCLUDE (1) 451925 BOLT.											
		# OBSOLETE.											
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET											
	5122266	GASKET			1		1	1			1		1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14777	14479	14488	14491	14493	14494	14496	15044	15088	15110	15116
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET											
	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)						2			2		2
	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)		4									
		7.1605 - REGULATOR ASSY.											
	NPN	REGULATOR (CUSTOMER FURNISHED)									AR		
	1119513	* REGULATOR (12V., NEG. GRD.)			1								
	9000590	* REGULATOR (12V., TRANSISTOR, NEG. GRD.)					1			1			
	9000551	* REGULATOR (12V., TRANSISTOR, NEG. GRD.)							1				
	1119200	* REGULATOR (12V., 50 AMP., NEG. GRD.)											1
	9000591	* REGULATOR(24V.,TRANSISTOR,NEG.GRD-.)				1		1				1	
	9000593	# REGULATOR (32V., TRANSISTOR, NEG. GRD.)	1										
	1118586	* REGULATOR (32V., 40 AMP., POS. GRD.)		1									
		# OBSOLETE											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115841	* RELAY (12V.)					1			1			
	1116969	* RELAY (12V.)							1				
	1115842	* RELAY (24V.)				1		1				1	
	1115843	* # RELAY (32V.)	1										
		# OBSOLETE											
		7.1612 - MOUNTING ASSY., VOLTAGE REG.											
	1910966	* MOUNTING ASSY. (SHOCK)	1			1	1	1		1		1	
	5173127	* MOUNTING ASSY. (SPRING)		4									
	120393	WASHER, 5/16" FLAT (12.9190)		8									
	120214	LOCKWASHER, 5/16" (12.9200)		8									
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR											
	2985054	* CABLE ASSY. (12V.)					1			1			
	2985057	CABLE ASSY. (24V.)				1		1				1	
	2985055	# CABLE ASSY. (32V.)	1										
	2977373	SLEEVE TERM-REGULATOR (7.7001)				1							
	2977607	SLEEVE TERM-GENERATOR (7.7001)				1							
	2965142	CONNECTOR (7.7001)				4							
		# OBSOLETE.											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15191	15244	15255	15277	15355	15401	15441	15455	15588	15611	15655	15673
	7.1001	**- GENERATOR ASSY.**												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.												
10A,B	**1106971**	* GENERATOR (24V. 20 AMP. A.C. NEG. GRD.)	1											
10A,B	**1117784**	* GENERATOR (24V. 45 AMP. C.W. NEG. GRD.)		1						1				
10A,B	**1117070**	* GENERATOR (12V. 60 AMP. C.W. NEG. GRD.)			1									
10A,B	**1117080**	* @ GENERATOR (24V. 30 AMP. C.C.W. NEG. GRD.)				1								
10A,B	**1117071**	* GENERATOR (24V. 30 AMP. C.W. NEG. GRD.)					1							
10A,B	**1117072**	* GENERATOR (24V. 60 AMP. C.W. NEG. GRD.)						1						
10A,B	**1117074**	* GENERATOR (32V. 60 AMP. C.W. NEG. GRD.)							1					
10A,B	**5142187**	GENERATOR (28V. 60 AMP. C.W.-C.C.W.)									1			
10A,B	**1117715**	* GENERATOR (24V. 18 AMP. C.W. INSL.)										1		
10A,B	**5120177**	GENERATOR (28V. 100 AMP. A.C., C.W.-C.C.W., NEG. INSL.)											1	
10A,B	**1117780**	* GENERATOR (12V. 55 AMP. A.C. NEG. GRD.)												1
	5653562	SWITCH, FUEL PRESSURE (7.4598)												1
	444148	TEE, 1/4"-18 PIPE (12.9616)												1
	112877	BUSHING, 1/4"-18 PIPE RED. (12.9570)												1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				1								
	179644	BOLT, 3/8"-16X1 5/8" (12.9001)				1								
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)			1									
	100030	BOLT, 3/8"-24X2" (12.9001)						1						
	106288	BOLT, 3/8"-24X2 1/4" (12.9001)			1									
	181381	BOLT, 3/8"-24X2 1/2" (12.9001)					2	1	2					
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)	1											
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)											2	
	181672	BOLT, 7/16"-20X1 3/4" (12.9001)												1
	100042	BOLT, 7/16"-20X2" (12.9001)									1			
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)	1											1
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)		1						1	1			
	106631	BOLT, 7/16"-20X2 3/4" (12.9001)		1						1				
	103342	WASHER, 7/16" (12.9190)		AR						AR				
	5131913	WASHER, 29/64"I.D. (3.4001)									1			
	5152721	WASHER, 1/2" (4.1470)											1	
	120217	LOCKWASHER, #10 (12.9200)												2
	103321	LOCKWASHER, 3/8" (12.9200)			2	2	2	2	2					
	103322	LOCKWASHER, 7/16" (12.9200)	2	2						2	2		2	2
	117049	NUT, 3/8"-24 HEX. (12.9120)			2		2	2	2					
	456939	NUT, 7/16"-20 HEX. (12.9120)	2	2						2	2		2	2

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15191	15244	15255	15277	15355	15404	15414	15455	15558	15611	15655	15673
		7.1001 - GENERATOR ASSY. (CONT'D)												
	120614	NUT, #10-32 HEX. (12.9120)												2
		@ OBSOLETE.												
		7.1500 - PULLEY, GENERATOR												
1E,F	**5108701**	PULLEY (3 1/2" DIA., 1 GROOVE)	1											
1E,F	**5133310**	PULLEY (3.66" DIA., 1 GROOVE)		1						1				
1E,F	**5133094**	PULLEY (2.76" DIA., 2 GROOVES)			1									
1E,F	**5132527**	PULLEY (2 11/16" DIA., 2 GROOVES)				1								
1E,F	**5133953**	PULLEY (3.66" DIA., 1 GROOVE)					1	1	1					
1E,F	**5142637**	PULLEY (3.25" DIA., 1 GROOVE)									1			
1E,F	**5111409**	* PULLEY (6.56" DIA., 1 GROOVE)										1		
1E,F	**5136441**	PULLEY (4.75" DIA., 1 GROOVE)											1	
1E,F	**5133093**	PULLEY (2.76" DIA., 2 GROOVES)												1
	103905	KEY, 1/8"X5/8" WOODRUFF (12.9350)									1			
		* OBSOLETE												
		7.1505 - PULLEY, GENERATOR DRIVE												
1F	**5122267**	PULLEY (5" DIA., 1 GROOVE) (1.7605)	1											
1F	**5133377**	PULLEY (6.25" DIA., 2 GROOVES)		1			1	1	1	1				
1F	**5133091**	PULLEY (5.00" DIA., 2 GROOVES)			1						1			
1F	**5132669**	PULLEY (6.29" DIA., 2 GROOVES)				1								
1F	**5132346**	PULLEY (5.00" DIA., 2 GROOVES)											1	
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1		1						1			1
1E	**124543**	KEY, 1/8"X1/2" WOODRUFF (12.9350)		1			1	1	1	1				
1E	**127559**	KEY, 1/4"X3/4" WOODRUFF (12.9350)				1								
	179835	BOLT, 3/8"-16X5/8" (12.9001)											3	
1D	**180121**	BOLT, 3/8"-16X7/8" (12.9001)	1		1						1			1
1D	**5150230**	WASHER, 3/8"X1 3/16" FLAT (3.4120)	1		1						1			1
1D	**103321**	LOCKWASHER, 3/8" (12.9200)	AR		AR						AR		AR	AR
	5177769	LOCKWASHER, 1 1/8" INT. TOOTH (1.7140)				1								
1F	**272906**	NUT, 3/4"-16 LOCK (12.9140)		1			1	1	1	1				
	5150087	NUT (1 1/8"-18 HEX.)				1								
		7.1507 - DRIVE ASSY., GENERATOR												
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540 AND 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7 1535 AND 7.1540.												
	5133747	DRIVE ASSY. (1.7600)		1			1	1	1	1				
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)		1			1	1	1	1				
	179839	BOLT, 3/8"-16X1" (12.9001)		2			2	2	2	2				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15191	15244	15265	15277	15355	15405	15411	15455	15558	15611	15655	15733
		7.1507 - DRIVE ASSY., GENERATOR (CONT'D)												
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)		3			4	4	4	4				
	5131478	BOLT, 3/8"-24X6" (12.4010)		1										
	103321	LOCKWASHER, 3/8" (12.9200)		7			6	6	6	6				
	117049	NUT, 3/8"-24 HEX. (12.9120)		1										
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
1F	5143234	HUB (1.7610)		1			1	1	1	1				
1F	5143233	SHAFT (1.7640)		1			1	1	1	1				
1E	5117920	SHAFT (1.7640)	1		1						1			1
1F	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)		2			2	2	2	2				
1D	181596	BOLT, 5/16"-24X7/8" (12.9001)	3		3						3			3
1D	103320	LOCKWASHER, 5/16" (12.9200)	3		3						3			3
		7.1515 - SEAL, GENERATOR DRIVE OIL												
	5177786	SEAL (1.7620)	1								1			1
1F	5138710	SEAL (3.4160)		1			1	1	1	1				
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
		A RETAINER ASSY. INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1545.												
1F	5133683	RETAINER (1.7645)		1			1	1	1	1				
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
1F	5104507	GASKET (1.5060)		1			1	1	1	1				
		7.1535 - BEARING, GENERATOR DRIVE												
1F	908002	BEARING (N.D. 55694L1C) (5.4332)		1			1	1	1	1				
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING												
	5133682	SPACER (1.7665)		1			1	1	1	1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15191	15244	15255	15277	15355	15404	15414	15454	15588	15611	15655	15733
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING												
1F	**274621**	LOCKRING		1			1	1	1	1				
		7.1560 - COUPLING, GENERATOR DRIVE												
	5139545	COUPLING (1.7635)		1			1	1	1	1				
		7.1575 - BELT, GENERATOR DRIVE												
		"P" INDICATES PREMIUM.												
	5133516	BELT (38.00"L.,.500"W.)	1											
	5135298	BELT SET (2 BELTS) (31.00"L., W.) (P)		1			1	1	1	1				
	5133177	BELT SET (2 BELTS) (37.00"L., W.)			1									1
	5137861	BELT SET (2 BELTS) (39.00"L., W.)									1			
	5135884	BELT SET (2 BELTS) (44.00"L., W.)											1	
	5132591	BELT SET (2 BELTS) (46.00"L., W.)				1								
		7.1580 - STRAP, GENERATOR ADJUSTING												
#	**5133284**	STRAP	1		1									
#	**5136028**	STRAP		1			1	1	1	1				
#	**5128546**	STRAP				1								
#	**5131768**	STRAP									1			1
#	**5187908**	STRAP										1		
#	**5128225**	STRAP											1	
	179839	BOLT, 3/8"-16X1" (12.9001)		1		1	1	2	1	1				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1		1						1		1	1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		1						1				
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2		2									
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)											1	
	181360	BOLT, 3/8"-24X3/4" (12.9001)							1					
	181361	BOLT, 3/8"-24X7/8" (12.9001)					1							
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)									1			
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)												1
	5150230	WASHER, 3/8" FLAT (3.4120)	1	1	1	1				1			1	1
	103341	WASHER, 3/8" (12.9190)	1											
	5132147	WASHER, 13/32"I.D. (3.4030)									1			
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR
	102635	NUT, 3/8"-16 HEX. (12.9120)		1				1		1				
	117049	NUT, 3/8"-24 HEX. (12.9120)					1		1		1			1

FIG. 10A OF 5.0000.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15191	15224	15225	15227	15235	15240	15241	15245	15258	15261	15265	15273
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5157412	SPACER (7/8"X1/4") (7.4013)		1						1				
	5164294	SPACER (7/8"X13/32"X1/8")					1	1	1					
	5164789	SPACER (7/8"X13/32"X3/8") (5.4025)									1		1	
	5139227	SPACER (1"X13/32"X.56")												1
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5133283	BRACKET									1			1
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)									2			2
	103321	LOCKWASHER, 3/8" (12.9200)									2			2
		7.1583 - BRACKET, GENERATOR ADJUSTING STRAP SUPPORT												
	5135571	SUPPORT		1			1	1	1	1				
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
10B	5128544	GUARD				1								
10B	5137785	GUARD						1	1					
	120628	BOLT, 1/4" (12.9001)				3								
	120392	WASHER, 1/4" FLAT (12.9190)				3								
	3844999	NUT, 1/4"-28 RETAINING (7.1587)				3								
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5128537	BRACKET				1								
	5128536	BRACKET				1								
	5128538	BRACKET (DRY BLOCK)				1								
	5144708	BRACKET (WATER BELOW PORT)				1								
	5124780	BRACKET						1	1					
	180120	BOLT, 3/8"-16X3/4" (12.9001)				1								
	179839	BOLT, 3/8"-16X1" (12.9001)						1	1					
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)				1								
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)				1								
	103341	WASHER, 3/8" FLAT (12.9190)						1	1					
	103343	WASHER, 1/2" FLAT (12.9190)				2								
	103321	LOCKWASHER, 3/8" (12.9200)				2		1	1					
	103323	LOCKWASHER, 1/2" (12.9200)				1								
	102635	NUT, 3/8"-16 HEX. (12.9120)						1	1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15191	15244	15265	15275	15355	15400	15411	15455	15588	15611	15655	15733
		7.1595 - BRACKET, GENERATOR MOUNTING												-
1E,F	5135411	BRACKET (FRONT)	1								1			1
1E,F	5137450	BRACKET (REAR)	1		1						1			1
1E,F	5138053 @	BRACKET (FRONT)		1						1				
1E,F	5138052 @	BRACKET (REAR)		1						1				
1E,F	5142126	BRACKET (FRONT)			1					-				
1E,F	5138238 #	BRACKET (FRONT)					1	1	1					
1E,F	5141115	BRACKET (REAR)					1	1	1					
1E,F	5111411	BRACKET										1		
1E,F	5130728	BRACKET											1	
	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)												2
	454894	BOLT, 1/4"-20X3/4" (12.9001)					2	2	2	2				
	180021	BOLT, 1/4"-20X7/8" (12.9001)		2							2			
	213546	BOLT, 1/4"-20X1" (12.9001)	2		2						2			2
	179839	BOLT, 3/8"-16X1" (12.9001)	4	2	4		2	2	2	2	2			4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											2	
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)					2	2	2					
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		2										
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)											2	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1		1						1			1
	5179709	WASHER, 1/4" FLAT COPPER (2.7175)		2			2	2	2	2	2			
	120392	WASHER, 9/32" (12.9190)	2		2									2
	5108436	WASHER, 15/32" (7.1598)											4	
	5152148	WASHER, 3/8" COPPER (2.4050)		2						2				2
	120380	LOCKWASHER, 1/4" (12.9200)	2		2			2	2					2
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR						AR		AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR		AR	AR	AR	AR	AR		AR	AR
		@ NOT SERVICED; USE 1-5145144 AND INCLUDE 1-451925 BOLT.												
		# NOT SERVICED; USE 1-5145522, 1-5145519 AND INCLUDE 1-451925 BOLT.												
		7.1596 - SUPPORT, GENERATOR BRACKET												
	5128547 @	SUPPORT				1								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				4								
	103321	LOCKWASHER, 3/8" (12.9200)				4								
		@ NOT SERVICED; USE 1-5130538 & 1-5145014.												
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET	1	1	1		1	1	1	1	1			1
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5164294	SPACER, 13/32"X7/8"X1/2" (7.1581)	2		2						2			
	5108436	SPACER, 15/32"X15/16"X5/32"												2

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15191	15244	15255	15277	15355	15404	15441	15455	15581	15616	15655	15673
		7.1605 - REGULATOR ASSY., VOLTAGE												
@	1119221	* REGULATOR (12V., 25 AMP., NEG. GRD.)	1											
@	9000591	* REGULATOR (24V.) (TRANSISTOR) (NEG. GRD.)		1		1	1	1		1				
@	9000590	* REGULATOR (12V.) (TRANSISTOR) (NEG. GRD.)			1									
@	9000593	# REGULATOR (32V.) (TRANSISTOR) (NEG. GRD.)							1					
@	1118635	* REGULATOR (24V. 18 AMP., NEG. INSL.)									1			
@	5120178	REGULATOR (28V. 100 AMP. A.C.)										1		
@	1119513	* REGULATOR (12V. 55 AMP., NEG. GRD.)												1
	181309	BOLT, 1/4"-28X1/2" (12.9001)												2
	120392	WASHER, 1/4" FLAT (12.9190)												2
	121902	NUT, 1/4"-28 HEX. (12.9120)												2
		@ FIG. 108 OF 8.0000.												
		# OBSOLETE.												
		7.1607 - CUTOUT ASSY., GENERATOR ASSY., VOLTAGE REGULATOR												
	1115842	* RELAY (24V.)		1	1	1	1	1		1				
	1115843	* RELAY (32V.)							1					
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5137254	PLATE												1
	180120	BOLT, 3/8"-16X3/4" (12.9001)												2
	103341	WASHER, 3/8" FLAT (12.9190)												2
	103321	LOCKWASHER, 3/8" (12.9200)												2
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)		1	1	1	1	1	1	1				
	5179976	SPRING ASSY., MOUNT									1			
	178532	LOCKWASHER, 5/16" (12.9200)									10			
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985057	CABLE ASSY. (24V.)		1		1	1	1		1				
	2985054	CABLE ASSY. (12V.)			1									
	2985055	CABLE ASSY. (32V.)							1					
	5121662	+ CABLE ASSY. (GENERATOR TO RECTIFIER)											1	
		+ OBSOLETE.												
		7.1800 - FILTER, GENERATOR REGULATOR SHIELD. (RADIO INTERFERENCE)												
	5186495	FILTER									2			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15199	15244	15255	15277	15355	15400	15411	15455	15558	15611	15665	15733
		7.1890 - RECTIFIER, BATTERY CHARGING												
	5120179	RECTIFIER (28V. 100 AMP.)											1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15575	15582	15584	15589	15590	16033	16055	16111	16144	16166	16177
		7.1001 - GENERATOR ASSY.											
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.											
	NPN	GENERATOR (CUSTOMER FURNISHED)			1								
10A,B	1117784	* GENERATOR (24V. 45 AMP. C.W. NEG. GRD.)							1				
10A,B	1117075	* GENERATOR (24V. 60 AMP. C.C.W. NEG. GRD.)	1										
10A,B	5134421	GENERATOR (28. 5V. 70 AMP. A.C.)		1									
10A,B	1117133	* GENERATOR (32V. 75 AMP. A.C., C.C.W. NEG. GRD.)				1	1						
10A,B	1117229	* GENERATOR (24V. 35 AMP. A.C., C.W.-C.C.W., NEG. GRD.)						1					
	1117783	* GENERATOR (12V. 62AMP. A.C. NEG.								1			
	5130413	GENERATOR (28V. 35 AMP. A.C., C.W.-C.C.W.)									1		
	1117784	* GENERATOR (24V. 45 AMP. A.C., C.C.W.)										1	1
	5653562	SWITCH, FUEL PRESSURE (7.4598)		1							1		
	112877	BUSHING, 1/4"-18 PIPE RED. (12.9570)									1		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	1										
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	1										
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)			1								
	181672	BOLT, 7/16"-20X1 3/4" (12.9001)							1				
	186626	BOLT, 7/16"-14X1 5/8" (12.9001)								1		1	1
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)				1	1			1		1	1
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)			1				1				
	450501	BOLT, 7/16"-14X2 3/4" (12.9001)				1	1						
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		4									
	186296	BOLT, 1/2"-13X7" (12.9001)						1					
	103342	WASHER, 7/16" (12.9190)							AR				
	5131913	WASHER, 29/64"I.D. (3.4001)				4	4						
	5108436	WASHER, 15/32"I.D. (7.1598)								1		1	1
	5132715	WASHER (.53"I.D.) (1.3140)						1					
	103321	LOCKWASHER, 3/8" (12.9200)	2		2								
	103322	LOCKWASHER, 7/16" (12.9200)			2	2	2		2	2		2	2
	103323	LOCKWASHER, 1/2" (12.9200)		4				1					
	117049	NUT, 3/8"-24 HEX. (12.9120)			2								
	271500	NUT, 7/16"-14 (12.9120)				2	2			2		2	2
	456939	NUT, 7/16"-20 HEX. (12.9120)							2				
	271506	NUT, 7/16"-20 HEX. (12.9120)			2								
		7.1440 - FAN, GENERATOR											
#	1915740	* @ FAN				1	1						
	2429623	FAN									1		
#	1852643	* FAN & BAFFLE			1								

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15575	15582	15584	15589	15590	16003	16055	16111	16114	16116	16117
		7.1440 - FAN, GENERATOR (CONT'D)											
	121832	SCREW, #8-32X3/8" RD. HD. (12.9025)									4		
	132971	SCREW, #12-24X3/8" RD. HD. (12.9025)				4	4						
	106496	LOCKWASHER, #8 (12.9200)									4		
	106498	LOCKWASHER, #12 (12.9200)				4	4						
		# FIG. 10A OF 5.0000.											
		② OBSOLETE.											
		7.1500 - PULLEY, GENERATOR											
1E,F	5133093	PULLEY (2.76" DIA., 2 GROOVES)							1				
1E,F	1944312	PULLEY (2.34" DIA., 2 GROOVES)	1										
1E,F	5134011	PULLEY (5 3/4" DIA., 2 GROOVES)		1									
1E,F	5142881	PULLEY (2.76" DIA., 2 GROOVES)			1								
1E,F	5143908	② PULLEY(2.76"DIA.,9 GROOVES) (POLY-VEE)				1	1						
1E,F	5143975	② PULLEY(3.66"DIA.,9 GROOVES) (POLY-VEE)						1					
1E,F	5133563	PULLEY (2.76" DIA., 2 GROOVES)								1		1	1
1E,F	5133623	PULLEY (2.76" DIA., 2 GROOVES)									1		
	186601	BOLT, 1/4"-20X1 1/4" (12.9001)		4									
	1944314	WASHER (.965"I.D.X1.35"O.D. SPRING)	1										
	174916	LOCKWASHER, 1/4" INT. EXT. TOOTH (12.9215)		4									
	1944313	NUT, HEX. (SPECIAL)	1										
		③ OBSOLETE.											
		7.1503 - SPACER, GENERATOR DRIVEN PULLEY											
	5121852	SPACER			1								
		7.1505 - PULLEY, GENERATOR DRIVE											
1F	5133091	PULLEY (5.00" DIA., 2 GROOVES)							1				
1F	5132669	PULLEY (6.29" DIA., 2 GROOVES)	1										1
1F	5103301	PULLEY (5.52" DIA., 2 GROOVES)			1								
1E	5143906	② PULLEY(6.25" DIA., 8 GROOVES) (POLY-VEE)				1							
1E	5145907	PULLEY(6.25" DIA. 8 GROOVES) (POLY-VEE)					1						
1E	5141817	PULLEY (5.80" DIA., 8 GROOVES) (POLY-VEE)						1					
1B	5145905	PULLEY (6.29" DIA., 2 GROOVES)								1		1	
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)							1				
1F	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)						1					
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)			1								

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15757	15852	15884	15889	15890	16033	16055	16111	16114	16116	16117
		7.1505 - PULLEY, GENERATOR DRIVE (CONT'D)											
1E	**127559**	KEY, 1/4"X3/4" WOODRUFF (12.9350)	1			1	1			1		1	1
1D	**180121**	BOLT, 3/8"-16X7/8" (12.9001)							1				
1D	**5150230**	WASHER, 3/8"X1 3/16" FLAT (3.4120)							1				
1D	**103321**	LOCKWASHER, 3/8" (12.9200)							AR				
	5177769	LOCKWASHER, 1 1/8" INT. TOOTH (1.7140)	1			1	1			1		1	1
1F	**272906**	NUT, 3/4"-16 LOCK (12.9140)			1			1					
	5150087	NUT (1 1/8"-18 HEX.)	1			1	1			1		1	1
		@ OBSOLETE.											
		7.1507 - DRIVE ASSY., GENERATOR											
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540 AND 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7.1535 AND 7.1540.											
	5133747	DRIVE ASSY. (1.7600)						1					
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)						1					
	179839	BOLT, 3/8"-16X1" (12.9001)						2					
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)						4					
	103321	LOCKWASHER, 3/8" (12.9200)						6					
		7.1510 - HUB, GENERATOR DRIVE PULLEY											
1F	**5143234**	HUB (1.7610)						1					
1F	**5143233**	SHAFT (1.7640)						1					
1E	**5117920**	SHAFT (1.7640)							1				
	5131130	SHAFT (1.7640)			1								
1F	**124543**	KEY, 1/8"X1/2" WOODRUFF (12.9350)						2					
1D	**181596**	BOLT, 5/16"-24X7/8" (12.9001)							3				
1D	**103320**	LOCKWASHER, 5/16" (12.9200)							3				
		7.1515 - SEAL, GENERATOR DRIVE OIL											
	5177786	SEAL (1.7620)							1				
1F	**5138710**	SEAL (3.4160)						1					
1C	**5131329**	SEAL (1.7660)			1								
	5131131	SPACER, SEAL (1.3665)			1								
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL											
		A RETAINER ASSY. INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1545.											
1F	**5133683**	RETAINER (1.7645)						1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15575	15582	15584	15589	15590	16003	16055	16111	16114	16116	16117
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL (CONT'D)											
	5131402	RETAINER ASSY. (1.7645)			1								
1C	**179858**	BOLT, 7/16"-14X1" (12.9001)			1								
1C	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)			4								
	5150568	WASHER (7/16" COPPER) (2.4050)			1								
1C	**103323**	LOCKWASHER, 1/2" (12.9200)			4								
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER											
1F	**5104507**	GASKET (1.5060)						1					
1C	**5117061**	GASKET (1.5040)			1								
		7.1535 - BEARING, GENERATOR DRIVE											
1F	**908002**	BEARING (N.D. 55694L1C) (5.4332)						1					
1C	**907191**	BEARING (N.D. 5206W) (1.7655)			1								
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING											
	5133682	SPACER (1.7665)						1					
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
1F	**274621**	LOCKRING						1					
1C	**9415285**	LOCKRING (2.7470)			1								
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING											
1C	**2136944**	PLATE (12.4037)			1								
		7.1560 - COUPLING, GENERATOR DRIVE											
	5139545	COUPLING (1.7635)						1					
		7.1575 - BELT, GENERATOR DRIVE											
		"P" INDICATES PREMIUM.											
	5144051	BELT(30.00" L., 8 GROOVES) (POLY-VEE)						1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1575	1582	1584	1589	1590	1603	1605	1611	1614	1616	1617
		7.1575 - BELT, GENERATOR DRIVE (CONT'D)											
	5143821	*BELT(47.00"L., 8 GROOVES) (POLY-VEE)*				1	1						
	5133177	BELT SET(2 BELTS)(37.00"L.,.380"W.)							1				
	5133175	BELT SET(2 BELTS)(39.00"L.,.380"W.)			1								
	5132591	BELT SET(2 BELTS)(46.00"L.,.380"W.)	1							1	1	1	1
	5142492	BELT SET(2 BELTS)(55.00"L.,.660"W.)		1									
		7.1580 - STRAP, GENERATOR ADJUSTING											
#	5128546	STRAP	1										
#	5131768	STRAP							1				
#	5142707	STRAP			1								
#	5143905	@ STRAP				1	1						
	5143976	STRAP						1					
1C	5124218	STRAP								1		1	1
#	5124633	@ STRAP									1		
	179839	BOLT, 3/8"-16X1" (12.9001)	1		1					1		1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1				1				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				1	1						
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)									1		
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)							1				
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)						1					
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)									1		
	186689	BOLT, 1/2"-13X2" (12.9001)										1	
	5150230	WASHER, 3/8" FLAT (3.4120)	1						1				
	5132147	WASHER, 13/32"I.D. (3.4030)									1		
	5143383	WASHER, 15/32"I.D. FLAT (3.4001)				1	1			1		1	1
	103343	WASHER, 1/2" FLAT (12.9190)										1	
	5132715	WASHER,						1					
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR		AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)						1			1	1	
	102635	NUT, 3/8"-16 HEX. (12.9120)									1		
	117049	*NUT, 3/8"-24 HEX. (12.9120)*							1				
		# FIG. 10A OF 5.0000.											
		@ OBSOLETE.											
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP											
	5140645	SPACER (17/32"X1"X.84")										1	
	5164294	SPACER (7/8"X13/32"X1/8")			2								
	5164789	SPACER (7/8"X13/32"X3/8") (5.4025)							1				
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP											
	5133283	BRACKET							1				
	5142336	@ BRACKET		2									
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)							2				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15575	15582	15584	15589	15590	16003	16055	16111	16114	16116	16117
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP (CONT'D)											
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		4									
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)		4									
	103323	LOCKWASHER, 1/2" (12.9200)		4									
	103325	LOCKWASHER, 5/8" (12.9200)		4									
	117066	NUT, 5/8"-11 HEX. (12.9120)		4									
		@ OBSOLETE.											
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
10B	5128544	GUARD	1							1			1
	5144191	@ GUARD				1	1						
	5144929	GUARD									1		
	120628	BOLT, 1/4" (12.9001)	3			3	3			3	3		3
	120392	WASHER, 1/4" FLAT (12.9190)	3			3	3			3	3		3
	3844999	NUT, 1/4"-28 RETAINING (7.1587)	3			3	3			3	3		3
		@ OBSOLETE.											
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5128537	BRACKET	1			1	1			1			1
	5128536	BRACKET	1			1	1			1	1		1
	5128538	BRACKET (DRY BLOCK)	1							1			1
	5144708	BRACKET (WATER BELOW PORT)	1							1			1
	5143822	@ BRACKET				1	1						
	5144792	BRACKET									1		
	5144930	BRACKET									1		
	5115323	SPACER (2.9010)								1			1
	5130179	SPACER (12.5023)									1		
	5164789	SPACER (7/8"X13/32"X3/8") (5.4025)	1			1	1			1			1
	180120	BOLT, 3/8"-16X3/4" (12.9001)	1							1			1
	180121	BOLT, 3/8"-16X7/8" (12.9001)				1	1						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									1		
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	1							1			1
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)				1	1						
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	1			1	1						
	186689	BOLT, 1/2"-13X2" (12.9001)								1			1
	103341	WASHER, 3/8" FLAT (12.9190)				1	1				2		2
	103341	WASHER, 3/8" FLAT (12.9190)								1			
	5150230	WASHER(3/8"I.D.X1 3/16"O.D.)(3.4120)				1	1						
	103343	WASHER, 1/2" FLAT (12.9190)	2			2	2			2			2
	103321	LOCKWASHER, 3/8" (12.9200)	2			2	2			2	AR		2
	103323	LOCKWASHER, 1/2" (12.9200)	1			1	1			1			1
		@ OBSOLETE.											

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7.1000A BATTERY CHARGING GENERATOR

7.1595 - BRACKET, GENERATOR MOUNTING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15575	15582	15584	15589	15590	16003	16005	16011	16014	16016	16017
1E,F	5135411	BRACKET (FRONT)							1				
1E,F	5137450	BRACKET (REAR)				1	1		1	1	1	1	1
1E,F	5130538	BRACKET	1										
	5142330 @	BRACKET		2									
	5142276 @	BRACKET (PEDESTAL)		1									
	5142277 @	BRACKET (STABILIZER)		1									
1E,F	5134957	BRACKET (FRONT)			1								
1E,F	5130015	BRACKET (REAR)			1								
1E,F	5143523	BRACKET				1	1			1		1	1
1E,F	5144049 #	BRACKET (FRONT)						1					
1E,F	5144050 #	BRACKET (REAR)						1					
1E,F	5145516	BRACKET (FRONT)						1					
1E,F	5145521	BRACKET (REAR)						1					
1E,F	5144793	BRACKET									1		
	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)							2				
	5160629	SPACER (13/32"I.D.) (4.2270)			2								
	8525288	RING, SEAL (12.6512)						1					
	444867	PLUG, 3/8" ALLEN HD. (12.9550)	1										
	213546	BOLT, 1/4"-20X1" (12.9001)							2				
	179802	BOLT, 1/4"-20X1 5/8" (12.9001)						2					
	179839	BOLT, 3/8"-16X1" (12.9001)				2	2		4	2	1	2	2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4										
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		6		2	2			2	6		2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				1	1			1	1	1	1
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)								1	1	1	1
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)				1	1						
	5131478	BOLT, 3/8"-24X6" (12.4010)			2								
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)							1				
	427570	BOLT, 7/16"-14X2" (12.9001)						2					
	451925	BOLT, 7/16"-14X4 1/2" (12.9001)						1					
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)		8									
	179839	BOLT, 1/2"-13X3" (12.9001)						1					
	190270	BOLT, 1/2"-13X4 1/2" (12.9001)						1					
	223753	BOLT, 3/4"-16X2 1/4" (12.9001)		4									
	5179709	WASHER, 1/4" FLAT COPPER (2.7175)						2					
	120392	WASHER, 9/32" (12.9190)							2				
	103341	WASHER, 3/8" FLAT (12.9190)								AR	AR	AR	AR
	5108436	WASHER, 15/32" (7.1598)				2	4						
	5152148	WASHER, 3/8" COPPER (2.4050)						2					
	120380	LOCKWASHER, 1/4" (12.9200)							2				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR		AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)						AR	AR				
	103323	LOCKWASHER, 1/2" (12.9200)		8									
	103326	LOCKWASHER, 3/4" (12.9200)		4									
	120378	NUT, 1/2"-13 HEX. (12.9120)		8				2					

@ OBSOLETE.

NOT SERVICED; USE 1-5145516, 1-5145521 AND INCLUDE 1-451925 BOLT.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15575	15582	15584	15589	15590	16003	16065	16111	16114	16116	16117
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET											
	5122266	GASKET							1				
	5117734	GASKET (1.1070)	1			1	1			1	1	1	1
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET											
	5172775	SPACER, 15/32"X3/4"X1 1/4"			1								
	5144052	SPACER, 17/32"X2.25"						1					
		7.1605 - REGULATOR ASSY., VOLTAGE											
@	9000591	* REGULATOR (24V.) (TRANSISTOR) (NEG. GRD.)							1			1	1
@	9000590	* REGULATOR (12V.) (TRANSISTOR) (NEG. GRD.)								1			
@	9000593	□ REGULATOR (32V.) (TRANSISTOR) (NEG. GRD.)				1	1						
@	5134422	REGULATOR (28.5V., 70 AMP.)		1									
@	5130414	REGULATOR (28V.)									1		
		@ FIG. 108 OF 8.0000.											
		□ OBSOLETE.											
		7.1607 - CUTOUT ASSY., GENERATOR ASSY., VOLTAGE REGULATOR											
	1115842	* RELAY (24V.)							1				1
	1115842	* RELAY (12V.)										1	
	1115843	* RELAY (32V.)				1	1						
	1115841	RELAY (12V.)								1			
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966	* MOUNTING ASSY. (SHOCK)				1	1		1	1		1	1
	5179976	SPRING ASSY., MOUNT		1									
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR											
	2985057	* CABLE ASSY. (24V.)							1			1	1
	2985054	* CABLE ASSY. (12V.)								1			
	2985055	* CABLE ASSY. (32V.)				1	1						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1621	1622	1627	1629	1630	1641	1643	1646	1647	1648	1649	1653	1654
		7.1001 - GENERATOR ASSY.													
		▪ FOR TYPE 1651 USE TYPE 1747.▪ ▪ FOR TYPE 1640 USE TYPE 1750.▪ NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.													
	NPN	GENERATOR ASSY. (CUSTOMER FURNISHED)					1								
	1117242	* GENERATOR (12V., 75 AMP., A.C., C.W.)													1
	1117786	* GENERATOR(24V., 30 AMP., A.C., C.W.)						1		1	1		1		
	1117784	* GENERATOR (24V., 45 AMP., A.C., C.W.)	1	1		1						1			
	1117134	* GENERATOR (24V., 45 AMP., C.W./C.C.W .)							1						
	1117242	* GENERATOR (24V., 50 AMP., A.C., C.W.)												1	
	1117060	* GENERATOR (24V., 60 AMP., A.C., C.W./C.C.W.)			1										
	5143509	SPACER (7.1598)							1						
	186626	BOLT, 7/16"-14X1 5/8" (12.9001)	1	1		1		1							
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)	1	1		1		1							
	181672	BOLT, 7/16"-20X1 3/4" (12.9001)							1		1		1		
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)			2										
	100042	BOLT, 7/16"-20 X 2" (12.9001)										1			
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)								2	2	1	2		
	179893	BOLT, 1/2"-13X3" (12.9001)												1	1
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)												1	1
	5130037	BOLT, 1/2"-13X8 1/2" (5.4290)							1						
	5132715	WASHER,.53"I.D.X.94"O.D.X.12" (1.3140)							1					3	3
	5108436	WASHER, 15/32"I.D. (7.1598)	1	1				1							
	5131913	WASHER, 29/64"I.D. (3.4001)			4					2	2	3	2		
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2		2		2	2	2	2		
	103323	LOCKWASHER, 1/2" (12.9200)							AR					AR	AR
	271500	NUT, 7/16"-14 HEX. (12.9120)	2	2		2		2							
	456939	NUT, 7/16"-20 HEX. (12.9120)			2					2	2	2	2		
	117064	NUT, 1/2"-13 (12.9120)												2	2
		7.1440 - FAN, GENERATOR													
10A	1949548	* FAN & BAFFLE			1										
	132971	SCREW, #12-24X3/8" (12.9025)			4										
	106498	LOCKWASHER, #12 (12.9200)			4										
		7.1500 - PULLEY, GENERATOR													
1E,F	5143306	PULLEY (1.74"DIA., 2 GROOVES)(SD-58)							1						
1E,F	5143095	PULLEY (1.90" DIA., POLY-VEE)			1					1	1	1	1		
1E,F	5133563	PULLEY (2.76" DIA., 2 GROOVES)	1	1				1							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16211	16222	16227	16229	16230	16241	16243	16246	16247	16248	16249	16253	16254
		7.1500 - PULLEY, GENERATOR (CONT'D)													
1E,F	5133093	PULLEY (2.76" DIA., 2 GROOVES)				1									
	5145671	PULLEY (2.83" DIA., POLY-VEE)												1	1
		7.1505 - PULLEY, GENERATOR DRIVE													
1E	5139495	PULLEY (4.40" DIA., POLY-VEE)			1					1	1	1	1		
	5141817	PULLEY (5.80" DIA., POLY-VEE)												1	1
1B	5133377	PULLEY (6.25" DIA., 2 GROOVES) (1.7605)							1						
1B	5145905	PULLEY (6.29" DIA., 2 GROOVES)	1					1							
1B	5132669	PULLEY (6.29" DIA., 2 GROOVES)		1											
	5145390	PULLEY (9" DIA., 2 GROOVES)				1									
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)			1					1	1	1	1		
	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)												1	1
1E	127559	KEY, 1/4"X3/4" WOODRUFF (12.9350)	1	1											
	180121	BOLT, 3/8"-16X7/8" (12.9001)			1	3				1	1	1	1		
	5150230	WASHER, 3/8"X1 3/16" (3.4120)			1					1	1	1	1		
	5187641	WASHER, 25/64"X1 1/8"X1/16" (1.7605)				3									
	103321	LOCKWASHER, 3/8" (12.9200)			1	3				1	1	1	1		
	5177769	LOCKWASHER, 1 1/8" INT. TOOTH (1.7140)	1	1											
	5150087	NUT, 1 1/8"-18 HEX.	1	1											
		7.1507 - DRIVE ASSY., GENERATOR													
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540 AND 7.1545. A KIT CONSISTS OF ITEMS IN 7.1515, 7.1535 AND 7.1540.													
	5133747	DRIVE ASSY.							1					1	1
	5198175	KIT, ACCESSORY DRIVE SEAL (1.7602)							1					1	1
	179839	BOLT, 3/8"-16X1" (12.9001)							1					2	2
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)							3					4	4
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)												1	1
	103321	LOCKWASHER, 3/8" (12.9200)							6					6	6
	117049	NUT, 3/8"-24 HEX. (12.9120)												1	1
		7.1510 - HUB, GENERATOR DRIVE PULLEY													
1F	5117920	HUB (1.7640)			1					1	1	1	1		
1F	5143234	HUB (1.7610)							1					1	1
1F	5143233	SHAFT (1.7640)							1					1	1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16211	16212	16227	16229	16230	16241	16243	16246	16247	16248	16249	16253	16254
		7.1510 - HUB, GENERATOR DRIVE PULLEY (CONT'D)													
1F	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)							2					2	2
	181596	BOLT, 5/16"-24X7/8" HEX. (12.9001)			3					3	3	3	3		
	103320	LOCKWASHER, 5/16" (12.9200)			3					3	3	3	3		
		7.1515 - SEAL, GENERATOR DRIVE OIL													
1F	5138710	SEAL (3.4160)							1					1	1
	5177786	SEAL (2.8810)										1			
		7.1520 - RETAINER, GENERATOR DRIVE BEARING & OIL SEAL													
		A RETAINER ASSY. INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1545.													
1F	5133683	RETAINER (1.7645)							1					1	1
		7.1525 - GASKET, GENERATOR DRIVE BEARING & OIL SEAL RETAINER													
	5104507	GASKET (1.5060)							1					1	1
		7.1535 - BEARING, GENERATOR DRIVE													
	908002	BEARING (N.D. 55694L1C) (5.4332)							1					1	1
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING													
	5133682	SPACER (1.7665)							1					1	1
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING													
1F	274621	LOCKRING							1					1	1
		7.1560 - COUPLING, GENERATOR DRIVE													
	5139545	COUPLING							1					1	1
		7.1575 - BELT, GENERATOR DRIVE													
	5138935	BELT (1.12"W.X37"L.) (POLY-VEE)			1					1	1	1	1		
	5145670	BELT SET(1.25"W.X29.00"L.)(POLY-VEE)												1	1
	5143240	BELT SET(2 BELTS)(34.00"L..500"W.)							1						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16211	16222	16227	16229	16230	16241	16243	16246	16247	16248	16249	16253	16254
		7.1575 - BELT, GENERATOR DRIVE (CONT'D)													
	5132591	BELT SET(2 BELTS)(46.00"L...380"W.)	1	1				1							
	5141704	* BELT SET(2 BELTS)(50.00"L...380"W.)				1									
		* OBSOLETE.													
		7.1580 - STRAP, GENERATOR ADJUSTING													
1C	5124218	STRAP	1	1				1							
1A	5136028	STRAP			1										
1A	5143526	STRAP				1									
1A	5143037	STRAP							1						
1E	5131768	STRAP								1	1	1	1		
1A	5143976	STRAP												1	1
	179838	BOLT, 3/8"-16X7/8" (12.9001)			1										
	179839	BOLT, 3/8"-16X1" (12.9001)	1	1	1			1							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1				1	1	1	1		
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)				1									
	181361	BOLT, 3/8"-24X7/8" HEX. (12.9001)			1										
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)								1		1	1		
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)									1				
	186317	BOLT, 3/8"-24X5" (12.9001)							1						
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)												1	1
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)							1						
	186689	BOLT, 1/2"-13X2" (12.9001)		1											
	5150230	WASHER, 3/8"X1 3/16" (3.4120)				1									
	103341	WASHER, 3/8" FLAT (12.9190)							1						
	5109949	WASHER, SPECIAL							1						
	5117082	WASHER,												1	1
	5132147	WASHER, 13/32"I.D. (3.4030)			1					1	1	1	1		
	5108436	WASHER, 15/32"I.D. (7.1598)	1	1				1							
	103343	WASHER, 1/2" FLAT (12.9190)		1											
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR		AR	AR	AR	AR		
	103323	LOCKWASHER, 1/2" (12.9200)		1					1					1	1
	117049	NUT, 3/8"-24 HEX. (12.9120)			1					1	1	1	1		
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP													
	5156404	SPACER, 13/32"X3/4"X1 7/16"				1									
	5164294	SPACER, 13/32"X7/8"X1/8"			2							2			
	5196119	SPACER, 13/32"X7/8"								1	1		1		
	5140645	SPACER, 17/32"X1.00"X.84"		1											
	5109349	SPACER, 1"X13/32"X.56"									1				
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP													
	5133283	BRACKET			1					1	1	1	1		
	5142336	* BRACKET					2								
	191249	BOLT, 3/8"-16X3 3/4" HEX. (12.9001)			2					2	2		2		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16211	16222	16227	16229	16230	16241	16243	16246	16247	16248	16249	16253	16254
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP (CONT'D)													
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)					4								
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)					4								
	103323	LOCKWASHER, 1/2" (12.9200)					4								
	103325	LOCKWASHER, 5/8" (12.9200)					4								
	102639	NUT, 5/8"-11 (12.9120)					4								
		* OBSOLETE.													
		7.1585 - GUARD, GENERATOR DRIVE BELT & PULLEY													
	5128544	GUARD	1					1							
	5129317	* GUARD				1									
	120628	SCREW, 1/4"-28X1/2" TRUSS HD. (12.9025)	3					3							
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)				2									
	120392	WASHER, 1/4" FLAT (12.9190)	3					3							
	5101265	NUT, 1/4"-28 RETAINING (7.1587)	3					3							
		* OBSOLETE.													
		7.1587 - BRACKET, GENERATOR DRIVE BELT & PULLEY GUARD													
	5128536	BRACKET	1					1							
	5128537	BRACKET	1					1							
	5128538	BRACKET (WITH DRY BLOCK)	1												
	5144708	BRACKET (WITH WATER BELOW PORT BLOCK)	1					1							
	5108612	BRACKET (4.4335)				2									
	5131202	* BRACKET (LONG)				1									
	5131201	BRACKET (SHORT)				2									
	5115323	SPACER (2.9010)	1					1							
	5196119	SPACER (5.4025)	1					1							
	181333	BOLT, 5/16"-24X5/8" HEX. (12.9001)				3									
	180120	BOLT, 3/8"-16X3/4" (12.9001)	1					1							
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	1					1							
	186689	BOLT, 1/2"-13X2" (12.9001)	1					1							
	103341	WASHER, 3/8" FLAT (12.9190)	1					1							
	103343	WASHER, 1/2" FLAT (12.9190)	1					1							
	103320	LOCKWASHER, 5/16" (12.9200)				3									
	103321	LOCKWASHER, 3/8" (12.9200)	AR					AR							
	103323	LOCKWASHER, 1/2" (12.9200)	AR					AR							
	114493	NUT, 5/16"-24 HEX. (12.9120)				3									
		* OBSOLETE.													
		7.1590 - SPACER, GENERATOR DRIVE BELT & PULLEY GUARD													
	5131852	SPACER, 1/2"X3 1/2"				2									

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16211	16212	16227	16229	16230	16241	16243	16246	16247	16248	16249	16253	16254
		7.1595 - BRACKET, GENERATOR MOUNTING													
1E,F	5143523	BRACKET	1	1				1							
	5137450	BRACKET (REAR)	1	1	1	1		1		1	1	1	1		
1E	5135411	BRACKET (FRONT)			1					1	1	1	1		
1A	5143524	BRACKET (FRONT)				1									
	5142277	* BRACKET					1								
	5142330	* BRACKET					2								
	5142276	* BRACKET					1								
	5143035	BRACKET (FRONT)							1						
	5143036	BRACKET (REAR)							1						
	5145523	② BRACKET (FRONT)												1	1
	5145520	② BRACKET (REAR)												1	1
	5164294	SPACER, 13/32"X7/8"X1/8"									2		2		
	6525288	RING, "O" (12.6512)							1					1	1
	179796	BOLT, 1/4"-20X7/8" (12.9001)												1	1
	213546	BOLT, 1/4"-20X1" HEX. (12.9001)			2				2	2	2	2	2		
	179802	BOLT, 1/4"-20X1 5/8" (12.9001)												1	1
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	4		2	2	2	4	4	4	4	2	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2		4	6	2							
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	1	1				1							
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1				1							
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)							2			1			
	179862	BOLT, 7/16"-14X1 1/2" HEX. (12.9001)			1					1	1		1		
	427570	BOLT, 7/16"-14X2" (12.9001)												2	2
	451925	BOLT, 7/16"-14X4 1/2" (12.9001)												1	1
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)					8								
	5179709	WASHER, 1/4" (COPPER)								AR	AR	AR	AR	AR	AR
	103341	WASHER, 3/8" FLAT (12.9190)	AR	AR		AR	6	AR							
	5152148	WASHER, 9/16" COPPER (2.4050)			2					2	2		2	2	2
	120392	WASHER, 5/8" (12.9190)			2										
	120380	LOCKWASHER, 1/4" (12.9200)			2				2						
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		
	103322	LOCKWASHER, 7/16" (12.9200)			AR				AR	AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)					AR								
	103326	LOCKWASHER, 3/4" (12.9200)					4								
	120378	NUT, 1/2"-13 HEX. (12.9120)					8								
	456939	NUT, 7/16"-20 (12.9120)										2			
		② NOT SERVICED; USE 1-5145516, 1-5145521 AND INCLUDE 1-5144051 BELT.													
		* OBSOLETE.													
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET													
	5117734	GASKET (1.1070)	1	1											
	5122266	GASKET			1					1	1	1	1		
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET													
	5108436	SPACER, 15/32"X15/16"X5/32"				1									

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16211	16222	16227	16229	16301	16411	16443	16446	16447	16448	16449	16453	16454
		7.1605 - REGULATOR ASSY., VOLTAGE													
@	**9000591**	* REGULATOR (24V.) (TRANSISTOR) (NEG. GRD.) @ FIG. 10B OF 8.0000.	1	1	1	1				1	1	1			
		7.1607 - CUT OUT ASSY., GENERATOR ASSY., VOLTAGE													
	1115842	* RELAY (24V.)	1	1	1	1					1	1			
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR													
	1910966	* MOUNTING ASSY. (SHOCK)	1	1	1	1				1	1	1			
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR													
	2985057	* CABLE ASSY. (24V.)	1	1	1	1					1	1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1655	1658	1659	1660	1661	1662	1663	1671	1672	1673	1674
		7.1001 - GENERATOR ASSY.											
		▪ FOR TYPE 1665 USE TYPE 1755.▪ NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.											
	1117780	* GENERATOR (12V., 55 AMP., A.C., C.W./C.C.W.)	1										
	1117783	* GENERATOR (12V., 62 AMP. A.C., C.W.)						1	1		1		
	1117781	* GENERATOR (12V., 62 AMP., A.C.)										1	1
	1117786	* GENERATOR (24V., 30AMP., A.C., C.W.)				1	1						
	1117784	* GENERATOR (24V., 45 AMP., A.C., C.W.)		1	1					1			
	1117074	* GENERATOR (32V., 60 AMP., A.C., C.W./C.C.W.)									1		
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)									1		
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)									1		
	186626	BOLT, 7/16"-14X1 5/8" (12.9001)		1	1	1	1	1	1	1			
	427570	BOLT, 7/16"-14X2" (12.9001)									2		
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)		1	1	1	1	1	1	1			
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)										1	1
	186292	BOLT, 7/16"-14X4 1/4" (12.9001)										1	1
	181672	BOLT, 7/16"-20X1 3/4" (12.9001)	1										
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)	2										
	5108436	WASHER, 15/32"I.D. (7.1598)		1	1	1	1	1	1	1			
	5131913	WASHER, 29/64"I.D. (3.4001)	2								4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2
	271500	NUT, 7/16"-14 HEX. (12.9120)		2	2	2	2	2	2	2	2	2	2
	456939	NUT, 7/16"-20 HEX. (12.9120)	2										
		7.1500 - PULLEY, GENERATOR											
1E,F	5133563	PULLEY (2.76" DIA., 2 GROOVES)		1	1	1	1	1	1	1			
	5134955	PULLEY (2.76" DIA., 2 GROOVES)									1		
	5133310	PULLEY (3.66" DIA., 2 GROOVES)										1	1
		7.1505 - PULLEY, GENERATOR DRIVE											
1E	5139495	PULLEY (4.40" DIA., POLY-VEE)	1										
1B	5133377	PULLEY (6.25" DIA., 2 GROOVES) (1.7605)										1	1
	5131726	PULLEY (6.25" DIA., 2 GROOVES)									1		
1B	5145905	PULLEY (6.29" DIA., 2 GROOVES)							1				
1B	5132669	PULLEY (6.29" DIA., 2 GROOVES)		1		1							
	5132667	PULLEY (6.29" DIA. 2 GROOVES)			1		1	1		1			
	5145390	PULLEY (9" DIA., 2 GROOVES)									1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16555	16558	16559	16560	16561	16562	16563	16571	16572	16573	16574
		7.1505 - PULLEY, GENERATOR DRIVE (CONT'D)											
	5139735	PLATE									1		
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1										
	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)										1	1
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)									1		
	179837	BOLT, 3/8"-16X3/4" (12.9001)									3		
	180121	BOLT, 3/8"-16X7/8" (12.9001)	1										
	5150230	WASHER, 3/8"X1 3/16" (3.4120)	1										
	103321	LOCKWASHER, 3/8" (12.9200)	1										
	103321	LOCKWASHER, 3/8" (12.9200)									3		
	272906	NUT, 3/4"-16 HEX. (12.9120)									1		
		7.1510 - HUB, GENERATOR DRIVE PULLEY											
1F	5117920	HUB (1.7640)	1										
	5131130	SHAFT (1.7640)									1		
	181596	BOLT, 5/16"-24X7/8" HEX. (12.9001)	3										
	103320	LOCKWASHER, 5/16" (12.9200)	3										
		7.1515 - SEAL, GENERATOR DRIVE OIL											
	5131329	SEAL (1.7660)									1		
	5131131	SPACER, SEAL									1		
		7.1520 - RETAINER, GENERATOR DRIVE BEARING & OIL SEAL											
		A RETAINER ASSY. INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1545.											
	5131402	RETAINER ASSY.									1		
	179858	BOLT, 7/16"-14X1" (12.9001)									1		
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)									4		
		7.1525 - GASKET, GENERATOR DRIVE BEARING & OIL SEAL RETAINER											
	5104506	GASKET									1		
		7.1535 - BEARING, GENERATOR DRIVE											
1C	907191	BEARING (N.D. 5206W) (1.7655)									1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16555	16558	16559	16560	16561	16562	16563	16571	16572	16573	16574
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
1C	9415285	LOCKRING									1		
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING											
1C	5170450	PLATE (1.7630)									1		
1C	5145092	BOLT, 3/8"-20X1.20" SELF LOCK									4		
		7.1575 - BELT, GENERATOR DRIVE											
	5138935	BELT(1.12"W.X37"L.) (POLY-VEE)	1										
	9433606	BELT SET (3.80"W.X28.00"L.)									1		
	5135298	BELT SET (2 BELTS) (31.00" L., W.)										1	1
	5132591	BELT SET (2 BELTS) (46.00" L., W.)		1	1	1	1	1	1	1			
	5141704	BELT SET (2 BELTS) (50.00" L., W.)									1		
		7.1580 - STRAP, GENERATOR ADJUSTING											
1C	5124218	STRAP		1	1	1	1	1	1	1	1		
1A	5136028	STRAP										1	1
1E	5131768	STRAP	1										
1A	5146193	STRAP									1		
1A	5141612	STRAP									1		
	5157412	SPACER, 7/8"O.D.X13/32"I.D.X1/4" THK. (7.4013)										1	1
	179839	BOLT, 3/8"-16X1" (12.9001)		1	1	1	1	1	1	1	1	1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1								1		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										1	1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									1		
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)									1		
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)	1										
	5150230	WASHER, 3/8"X1 3/16" (3.4120)									1		
	5132147	WASHER, 13/32"I.D. (3.4030)	1								2	1	1
	5108436	WASHER, 15/32"I.D. (7.1598)		1	1	1	1	1	1	1	1		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	102635	NUT, 3/8"-16 HEX. (12.9120)										1	1
	117049	NUT, 3/8"-24 HEX. (12.9120)	1										
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP											
	5159347	SPACER, 13/32"X3/4"X1/2"									1		
	5164789	SPACER, 13/32"X7/8"	1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16555	16558	16559	16560	16561	16562	16563	16571	16572	16573	16574
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP											
	5133283	BRACKET	1										
	191249	BOLT, 3/8"-16X3 3/4" HEX. (12.9001)	2										
		7.1583 - SUPPORT, GENERATOR ADJUSTING STRAP											
	5135571	SUPPORT										1	1
		7.1585 - GUARD, GENERATOR DRIVE BELT & PULLEY											
	5128544	GUARD		1	1	1	1	1	1	1			
	5129317	GUARD									1		
	120628	BOLT, 1/4" (12.9001)		3	3	3	3	3	3	3			
	120392	WASHER, 1/4" FLAT (12.9190)		3	3	3	3	3	3	3			
	3844999	NUT, 1/4"-28 RETAINING (7.1587)		3	3	3	3	3	3	3			
		7.1587 - BRACKET, GENERATOR DRIVE BELT & PULLEY GUARD											
	5128536	BRACKET		1	1	1	1	1	1	1			
	5128537	BRACKET		1	1	1	1	1	1	1			
	5128538	BRACKET (WITH DRY BLOCK)			1		1	1					
	5144708	BRACKET (WITH WATER BELOW PORT BLOCK)		1		1			1	1			
	5131202	BRACKET (LONG)									1		
	5131201	BRACKET (SHORT)									2		
	5115323	SPACER (2.9010)		1	1	1	1	1	1	1			
	5164789	SPACER (5.4025)		1	1	1	1	1	1	1			
	181333	BOLT, 5/16"-24X5/8" HEX. (12.9001)									3		
	180120	BOLT, 3/8"-16X3/4" (12.9001)		1	1	1	1	1	1	1			
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)		1	1	1	1	1	1	1			
	186689	BOLT, 1/2"-13X2" (12.9001)		1	1	1	1	1	1	1			
	103343	WASHER, 1/2" FLAT (12.9190)		1	1	1	1	1	1	1			
	103320	LOCKWASHER, 5/16" (12.9200)									3		
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR			
	103323	LOCKWASHER, 1/2" (12.9200)		AR	AR	AR	AR	AR	AR	AR			
	114493	NUT, 5/16"-24 HEX. (12.9120)									3		
		7.1595 - BRACKET, GENERATOR MOUNTING											
1E,F	5143523	BRACKET		1	1	1	1	1	1	1	1		
	5137450	BRACKET (REAR)	1	1	1	1	1	1	1	1	1		
1E	5135411	BRACKET (FRONT)	1										
	5146183	BRACKET (FRONT)									1		
	5137450	BRACKET (REAR)									2		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16555	16558	16559	16560	16561	16562	16563	16571	16572	16573	16574
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)											
	5146182	BRACKET (SUPPORT)									1		
	5130858	BRACKET									1		
	5145154	BRACKET (FRONT)										1	1
	5145144	BRACKET (REAR)										1	1
	5182755	SPACER									1		
	5164294	SPACER, 13/32"X7/8"X1/8"	2										
	6525288	RING, "O" (12.6512)										1	1
	179796	BOLT, 1/4"-20X7/8" (12.9001)										1	1
	213546	BOLT, 1/4"-20X1" HEX. (12.9001)	2										
	179802	BOLT, 1/4"-20X1 5/8" (12.9001)										1	1
	179839	BOLT, 3/8"-16X1" (12.9001)	4	2	2	2	2	2	2	2	7	2	2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1	1	1	1	1	1	1	1		
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)									1		
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)		1	1	1	1	1	1	1	1		
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)									2		
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)									1		
	179862	BOLT, 7/16"-14X1 1/2" HEX. (12.9001)	1										
	179866	BOLT, 7/16"-14X2" (12.9001)										2	2
	451925	BOLT, 7/16"-14X4 1/2" (12.9001)										1	1
	5179709	WASHER, 1/4" (COPPER)	AR									AR	AR
	446200	WASHER, 15/16" PLAIN (12.9190)									2		
	103341	WASHER, 3/8" FLAT (12.9190)		AR	AR	AR	AR	AR	AR	AR	AR		
	103342	WASHER, 7/16" (12.9190)										AR	AR
	5152148	WASHER, 9/16" COPPER (2.4050)	2									2	2
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR		
	103322	LOCKWASHER, 7/16" (12.9200)	AR									AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)									AR		
	102635	NUT, 3/8"-16 HEX. (12.9120)									1		
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET											
	5122266	GASKET	1										
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET											
	5114529	SPACER, 3/8" PIPE									3		
	5164294	SPACER, 13/32"X7/8"X1/8"									4		
		7.1605 - REGULATOR ASSY., VOLTAGE											
@	1119513	* REGULATOR (12V.) (NEG. GRD.)	1										
@	9000590	* REGULATOR (12V.) (TRANSISTOR)							1		1	1	
@@	9000593	□ REGULATOR									1		
@	9000591	* REGULATOR (24V.) (TRANSISTOR)		1	1	1	1	1		1			

□ OBSOLETE.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16555	16558	16559	16560	16561	16562	16563	16571	16572	16573	16574
		7.1605 - REGULATOR ASSY., VOLTAGE (CONT'D)											
		(NEG. GRD.)											
	181309	BOLT, 1/4"-28X1/2" (12.9001)	2										
	120392	WASHER, 9/32"X5/8" (12.9190)	2										
	121902	NUT, 1/4"-28 HEX. (12.9120)	2										
		@ FIG. 10B OF 8.0000.											
		7.1606 - BRACKET, GENERATOR VOLTAGE REGULATOR MOUNTING											
	5134314	BRACKET							1				
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)							2				
	5170971	WASHER, 3/8" BEVEL (5.3015)							2				
	103321	LOCKWASHER, 3/8" (12.9200)							2				
	102635	NUT, 3/8"-16 HEX. (12.9120)							2				
		7.1607 - CUT OUT ASSY., GENERATOR ASSY., VOLTAGE											
	1115841 *	RELAY (12V.)							1		1	1	
	1115842 *	RELAY (24V.)		1	1	1	1	1		1			
	1115843 *	RELAY (30V.)									1		
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING											
	5137254	PLATE	1										
	5131158	PLATE							1				
	123435	BOLT, 1/4"-28X5/8" (12.9001)							2				
	179837	BOLT, 3/8"-16X3/4" (12.9001)	2										
	179839	BOLT, 3/8"-16X1" (12.9001)							2				
	103341	WASHER, 3/8" FLAT (12.9190)	2						2				
	120380	LOCKWASHER, 1/4" (12.9200)							2				
	103321	LOCKWASHER, 3/8" (12.9200)	2						2				
	102635	NUT, 3/8"-16 HEX. (12.9120)							2				
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966 *	MOUNTING ASSY. (SHOCK)		1	1	1	1	1	1	1		1	
	1910966 *	MOUNTING ASSY. (SHOCK)									2		
	190741	SCREW, 1/4"-28X1" (12.9015)							4				
	120380	LOCKWASHER, 1/4" (12.9200)							4				
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR											
	2985054 *	CABLE ASSY. (12V.)									1	1	
	2985057 *	CABLE ASSY. (24V.)		1	1	1	1	1		1			
	2985055	CABLE ASSY. (32V.)									1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16551	16558	16559	16600	16611	16622	16633	16711	16722	16733	16744
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR (CONT'D)											
	5188133	STRAP, GROUND							1				
	1507276	SWITCH							1				
	5104778	TEE, 1/4"X1/4"X5/8"							1				
	174916	LOCKWASHER, 1/4" (12.9215)							1				
	120217	LOCKWASHER, #10 (12.9200)							2				
	120614	NUT, #10-32 HEX. (12.9120)							2				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1675	1678	1687	1688	1698	1699	1704	1705	1706	1707	1709	1715
		7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.												
10B	**1117781**	* GENERATOR (12V., 62 AMP., A.C.)	1											
10B	**1117784**	* GENERATOR (24V., 45 AMP., A.C.)		1										1
10B	**1102288**	* GENERATOR (12V., 25 AMP.) (C.C.W.)			1									
10B	**1106868**	* GENERATOR (24V., 20 AMP.) (C.C.W.)				1								
10B	**1117238**	* GENERATOR (24V., 60 AMP., A.C.) (C.W./C.C.W.)					1							
10B	**1117060**	* @ GENERATOR (24V., 60 AMP.)(C.C.W.)						1						
10B	**1117242**	* GENERATOR (12V., 75 AMP.) (C.W./C.C.W.)							1					
10B	**1117785**	* GENERATOR (32V., 45 AMP.) C.W./C.C.W.)								1				
10B	**1117229**	* GENERATOR (24V., 35 AMP.) C.W./C.C.W.)									1			
10B	**1117248**	* GENERATOR (24V., 50 AMP.) C.W./C.C.W.)										1		
10B	**1117065**	* GENERATOR (32V., 60 AMP.) (C.W.)											1	
	5134205	SPACER	2											
	186649	BOLT, 5/16"-24X1 5/8" (12.9001)			2									
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)				2								
	186626	BOLT, 7/16"-14X1 5/8" (12.9001)						2		1			1	
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)						1		1			1	
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)		1										
	454938	BOLT, 7/16"-14X3 3/4" (12.9001)	1											
	186292	BOLT, 7/16"-14X4 1/4" (12.9001)		1										
	272404	BOLT, 7/16"-14X4 3/4" (12.9001)	1											
	181672	BOLT, 7/16"-20X1 3/4" (12.9001)												2
	179893	BOLT, 1/2"-13X3" (12.9001)							1		1	1		
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)						1		1	1			
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)					2							
	181436	BOLT, 1/2"-20X2 1/4" (12.9001)					2							
	5131913	WASHER, 29/64"I.D. (3.4001)	3	3										
	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)								1				
	5131913	WASHER, 13/16"X29/64"X5/32" (3.4001)						1					1	
	5132715	WASHER					2		3		3	3		
	103320	LOCKWASHER, 5/16" (12.9200)			2									
	103322	LOCKWASHER, 7/16" (12.9200)	2	2						2			2	2
	103323	LOCKWASHER, 1/2" (12.9200)					2		2		2	2		
	114493	NUT, 5/16"-24 HEX. (12.9120)			2									
	271500	NUT, 7/16"-14 HEX. (12.9120)	2	2				2		2			2	
	271506	NUT, 7/16"-20 HEX. (12.9120)												2
	102637	NUT, 1/2"-13 HEX. (12.9120)							2		2	2		
	103028	NUT, 1/2"-20 HEX. (12.9120)					2							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16755	16788	16887	16888	16898	16899	17004	17005	17006	17007	17009	17015
		7.1440 - FAN, GENERATOR												
	1866400	* FAN			1									
	1852643	* FAN AND BAFFLE				1								
	1952955	* FAN AND BAFFLE						1						
	132971	SCREW, #12-24X3/8" (12.9025)						4						
	113904	SCREW, #12-24X7/16" (12.9025)				4								
	106498	LOCKWASHER, #12 (12.9200)				4		4						
		* PROCURE FROM UNITED DELCO.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE			1									
		* PROCURE FROM UNITED DELCO.												
		7.1500 - PULLEY, GENERATOR												
	5146868	+ PULLEY (1.90" DIA., POLY-VEE)					1							
1E,F	5133563	PULLEY (2.76" DIA., 2 GROOVES)						1		1				
1E,F	5134955	PULLEY (2.76" DIA., 2 GROOVES)												1
	5145671	PULLEY (2.83" DIA., POLY-VEE)							1			1		
1E,F	5133559	PULLEY (3.24" DIA., 1 GROOVE)			1									
10A	5108701	PULLEY (3.25" DIA., 2 GROOVES)	1			1								
1E,F	5133310	PULLEY (3.66" DIA., 1 GROOVE)		1										
	5143975	* PULLEY (3.66" DIA., POLY-VEE)									1			
		* OBSOLETE.												
		+ PROCURE FROM DDA ENGINEERING DEPT.												
		7.1505 - PULLEY, GENERATOR DRIVE												
1F	5134827	PULLEY (4.66" DIA., 2 GROOVES)	1											
1F	5103301	PULLEY (5.52" DIA., 2 GROOVES)												1
	5141817	PULLEY (5.80" DIA., POLY-VEE)							1		1	1		
1F	5133377	PULLEY (6.25" DIA., 2 GROOVES)		1										
	5145907	PULLEY (6.25" DIA., POLY-VEE)					1							
	5132669	PULLEY (6.29" DIA., 2 GROOVES)						1						
	5145905	PULLEY (6.29" DIA., 2 GROOVES)								1				
	5145390	PULLEY (9" DIA., 2 GROOVES)											1	
	5139735	PLATE (SUPPORT)											1	
1F	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)	1	1					1		1	1		
1F	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)												1
	179837	BOLT, 3/8"-16X3/4" (12.9001)											3	
	103321	LOCKWASHER, 3/8" (12.9200)											AR	
1C,D	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)	1	1					1		1	1		1
		7.1507 - DRIVE ASSY., GENERATOR												
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540 AND 7.1545.												
	5133747	DRIVE ASSY. (1.7600)	1	1					1		1	1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16775	16778	16887	16888	16898	16899	17004	17005	17006	17007	17009	17015
		7.1507 - DRIVE ASSY., GENERATOR (CONT'D)												
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2					2		2	2		
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)	3						3		3	3		
	186317	BOLT, 3/8"-24X5" (12.9001)	1	2							1			
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)		1					1			1		
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)	1								1			
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR					AR		AR	AR		
	117049	NUT, 3/8"-24 HEX. (12.9120)	1	1					1		1	1		
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
1F	5143234	HUB (1.7610)	1	1					1		1	1		
1F	5143233	SHAFT (1.7640)	1	1					1		1	1		
1F	5131130	SHAFT (1.7640)												1
1F	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)	2	2					2		2	2		
		7.1515 - SEAL, GENERATOR DRIVE OIL												
1F	5138710	SEAL (3.4160)	1	1					1		1	1		
1C	5131329	SEAL (1.7660)												1
	5133682	SPACER, SEAL (1.7665)	1	1					1		1	1		
	5131131	SPACER, SEAL (1.3665)												1
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
		A RETAINER ASSEMBLY INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1545.												
1F	5133683	RETAINER (1.7645)	1	1					1		1	1		
	5131402	RETAINER ASSY. (1.7645)												1
1C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)												4
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
1F	5104507	GASKET (1.5060)	1	1					1		1	1		
		7.1535 - BEARING, GENERATOR DRIVE												
1F	908002	BEARING (N.D. 55694L1C) (5.4332)	1	1					1		1	1		
1F	907191	BEARING (N.D. 5206W) (1.7655)												1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16755	16788	16887	16888	16898	16899	17004	17005	17006	17007	17009	17015
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING												
1F	274621	LOCKRING	1	1					1		1	1		
1C	9415285	LOCKRING (2.7470)												1
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING												
	5170450	PLATE (1.7630)												1
	5145092	BOLT, 3/8"-20X1.20" SELF LOCK												4
		7.1560 - COUPLING, GENERATOR DRIVE												
	5139545	COUPLING (1.7635)	1	1					1		1	1		
		7.1575 - BELT, GENERATOR DRIVE												
	5144051	BELT(30"L.X1.12"W.,POLY-VEE)							1			1		
	5145984	BELT (31"L., POLY-VEE)									1			
	5133517	BELT (39"L.X.500"W.)			1									
	9433888	BELT (41.50"L.X.500"W.)				1								
	5143821	BELT (47"L.X1.12"W., POLY-VEE)					1							
	5140927	BELT SET(2 BELTS)(28"L.X.500"W.)	1											
	5135298	BELT SET(2 BELTS)(31"L.X.500"W.)		1										
	5148455	BELT SET (2 BELTS) (33"L.X.380"W.)			1									
	5133175	BELT SET (2 BELTS) (39"L.X.380"W.)												1
	5132591	BELT SET(2 BELTS)(46"L.X.380"W.) (P)						1		1				
	5141704	BELT SET (2 BELTS) (50"L.X.380"W.)											1	
		7.1580 - STRAP, GENERATOR ADJUSTING												
10A	5173255	STRAP	1											
10A	5136028	STRAP		1										
10A	5126265	STRAP			1									
10A	5126799	STRAP				1								
10A	5146556	STRAP					1							
10A	5139464	STRAP						1						
10A	5143976	STRAP							1		1	1		
10A	5124218	STRAP								1				
10A	5141612	STRAP											1	
10A	5131768	STRAP												1
	5135571	SUPPORT (7.1583)		1										
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)												2
	5159347	SPACER, 3/4"X1/2" (7.1581)											1	
	122022	BOLT, 5/16"-18X1 1/8" (12.9001)			1									
	179839	BOLT, 3/8"-16X1" (12.9001)		1				1		1				1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											1	1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16751	16781	16871	16881	16981	16991	17041	17051	17061	17071	17091	17151
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	1	1										
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				1								
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)				1								
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)											1	
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)					1		1		1	1		
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)					1							
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)			1									
	5150230	WASHER, 3/8" FLAT (3.4120)			1	1								
	5132147	WASHER, 13/32"I.D. (3.4030)	1	1				1					1	
	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)								1				
	120396	WASHER, 17/32" FLAT (12.9190)			1									
	103320	LOCKWASHER, 5/16" (12.9200)			AR									
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)			AR									
	120376	NUT, 5/16"-18 HEX. (12.9120)			1									
	102635	NUT, 3/8"-16 HEX. (12.9120)		1		1								
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5159347	SPACER (13/32"X3/4"X1/2")				2								
	5117082	SPACER (.53"X1.16") (3.4103)					2		1		1	1		
	5115323	SPACER (3/4"X3/4")				1								
	5157412	SPACER (7/8"X1/4") (7.4013)	1	1										
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
10B	5128544	GUARD					1	1		1				
10B	5129317	GUARD											1	
	5164789	SPACER					1	1						
	120628	BOLT, 1/4" (12.9001)					3	3		3				
	179837	BOLT, 3/8"-16X3/4" (12.9001)					1	1						
	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)						1						
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)						1						
	120392	WASHER, 1/4" FLAT (12.9190)					3	3		3				
	103343	WASHER, 1/2" (12.9190)					1	1						
	103321	LOCKWASHER, 3/8" (12.9200)					2	2						
	103323	LOCKWASHER, 1/2" (12.9200)					1	1						
	3844999	NUT, 1/4"-28 RETAINING (7.1587)					3	3		3				
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5146557	BRACKET					1							
	5128536	BRACKET					1	1		1				
	5128537	BRACKET					1	1		1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16751	16781	16887	16888	16898	16899	17044	17055	17066	17077	17099	17115
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)												
	5144708	BRACKET						1		1				
	5131202	BRACKET											1	
	5131201	BRACKET											2	
	5115323	SPACER					1			1				
	5164789	SPACER, 13/32"X7/8"								1				
	454745	SCREW, 1/4"-28X1/2" (12.9025)						3						
	181333	BOLT, 5/16"-24X5/8" (12.9001)											3	
	179837	BOLT, 3/8"-16X3/4" (12.9001)								1				
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					1			1				
	186689	BOLT, 1/2"-13X2" (12.9001)					1			1				
	103343	WASHER, 1/2" FLAT (12.9190)								2				
	103320	LOCKWASHER, 5/16" (12.9200)											3	
	103321	LOCKWASHER, 3/8" (12.9200)					AR			AR				
	103323	LOCKWASHER, 1/2" (12.9200)								1				
	114493	NUT, 5/16"-24 HEX. (12.9120)												3
		7.1595 - BRACKET, GENERATOR MOUNTING												
1E,F	5145154	BRACKET (FRONT)	1	1										
1E,F	5145144	BRACKET (REAR)	1	1										
1A,B	5126798	BRACKET			1	1								
1B	5144001	BRACKET			1									
	5147038	+ BRACKET (REAR)					1							
	5147037	+ BRACKET (FRONT)					1							
1C	5143523	BRACKET						1		1			1	
1C	5137450	BRACKET						1		1			1	
	5145516	BRACKET (FRONT)							1		1	1		
	5145521	BRACKET (REAR)							1		1	1		
1E,F	5134957	BRACKET (FRONT)												1
1E,F	5135304	BRACKET (REAR)												1
	5159347	SPACER (7.1581)				2								
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)						1					2	
	5160629	SPACER, 13/32" (4.2270)												2
	6525288	RING, SEAL (12.6512)	1	1					1		1	1		
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1	1					1		1	1		
	179802	BOLT, 1/4"-20X1 5/8" (12.9001)	1	1					1		1	1		
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2		2	2	2	2	2	2	2	2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			4		2	2		2			2	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1	1		1			1	
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)				2								
	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)					1	1		1			1	
	5131478	BOLT, 3/8"-24X6" (12.4010)												2
	179866	BOLT, 7/16"-14X2" (12.9001)	2	2					2		2	2		
	451925	BOLT, 7/16"-14X4 1/2" (12.9001)	1	1					1		1	1		
	5179709	WASHER, 1/4" FLAT COPPER (2.7175)	2	2					2		2	2		
	5152148	WASHER, 3/8" COPPER (2.4050)	2	2					2		2	2		
	103341	WASHER, 3/8" FLAT (12.9190)				2	2			2				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16705	16708	16887	16888	16898	16899	17004	17005	17006	17007	17009	17015
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	103342	WASHER, 7/16" (12.9190)	AR	AR					AR		AR	AR		
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR	AR		AR			AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR					AR		AR	AR		
	117049	NUT, 3/8"-24 HEX. (12.9120)												2
		+ PROCURE FROM DDA ENGINEERING DEPT.												
		7.1605 - REGULATOR ASSY., VOLTAGE												
@	9000590	* REGULATOR, 12V. (TRANSISTOR) (NEG. GRD.)	1											
@	1119292	* REGULATOR, 12V. (NEG. GRD.)			1									
@	9000591	* REGULATOR, 24V. (TRANSISTOR) (NEG. GRD.)		1				1						1
@	1119185	* REGULATOR, 24V. (NEG. GRD.)				1								
	9000593	□ REGULATOR, 32V. (TRANSISTOR) (NEG. GRD.)								1			1	
		@ FIG. 10B OF 8.0000.												
		* PROCURE FROM UNITED DELCO.												
		□ OBSOLETE.												
		7.1607 - CUTOUT ASSY., GENERATOR ASSY. VOLTAGE REGULATOR												
	1115841	* RELAY (12V.)	1											
	1115842	* RELAY (24V.)		1				1						1
	1115843	* RELAY (30V.)								1			1	
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5185708	PLATE			1	1								
	179837	BOLT, 3/8"-16X3/4" (12.9001)			2									
	103341	WASHER, 3/8" FLAT (12.9190)			4									
	103321	LOCKWASHER, 3/8" (12.9200)			2									
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)	1	1		1		1		1			1	1
	190741	SCREW, 1/4"-28X1" FIL. HD. SL. (12.9015)			4	4								
	120380	LOCKWASHER, 1/4" (12.9200)			4	4								
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985054	* CABLE ASSY.	1											
	2985057	* CABLE ASSY.		1				1						1
	2985055	* CABLE ASSY.								1			1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16755	16788	16887	16888	16998	16999	17004	17005	17008	17007	17009	17015
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR (CONT'D)												
	5110161	HARNESS, WIRING			1	1								

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1723	1729	1730	1737	1738	1743	1747	1750	1755	1757	1760	1761	1764
		7.1001 - GENERATOR ASSY.													
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.													
10B	**1117781**	* GENERATOR (12V., 62 AMP., A.C.)													1
10B	**1117784**	* GENERATOR (24V., 45 AMP., A.C.)	1												
10B	**1117248**	* GENERATOR (24V., 50 AMP.) (C.W./C.C.W.)			1	1							1		
10B	**5146719**	GENERATOR (28V., 60 AMP.) (C.W./C.C.W.)		1											
10B	**1102287**	* GENERATOR (RV 25 AMP.) (C.W.)					1								
10B	**1117783**	* GENERATOR (12V., 62 AMP., A.C.) (C.W.)							1	1		1			
10B	**1117071**	* GENERATOR (24V., 30 AMP.) (C.W.)									1				
	8923599	+ GENERATOR (14V., 90 AMP.) (8923597) LEECE-NEVILLE						1							
	9439570	BEARING ASSY.			1	1							1	1	2
	5134205	SPACER	2					3							
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)									1				
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)					1								
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)									1				
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)					1								
	100030	BOLT, 3/8"-24X2" (12.9001)								1		1			
	186626	BOLT, 7/16"-14X1 5/8" (12.9001)		1							1				
	180153	BOLT, 7/16"-14X2" (12.9001)								1		1			
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)		1											
	454947	BOLT, 7/16"-14X2 1/2" (12.9001)	1												
	454938	BOLT, 7/16"-14X3 3/4" (12.9001)	1						1						1
	272404	BOLT, 7/16"-14X4 3/4" (12.9001)							1						1
	100042	BOLT, 7/16"-20X2" (12.9001)			1	1									
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)			1	1							1	1	3
	179893	BOLT, 1/2"-13X3" (12.9001)	3	4						1		1			
	190270	BOLT, 1/2"-13 X 4 1/4" (12.9001)			4	3		3					2	2	
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)					1	3		2	2	2	2	2	2
	5131913	WASHER, 29/64" I.D. (3.4001)	2	2	2	2	2		2	2		2			
	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)									2		2	2	2
	5132715	WASHER,								2		2			
	5131433	WASHER, .41"X.81"X.1345" (1.5001)							2						
	103321	LOCKWASHER, 3/8" (12.9200)													
	103322	LOCKWASHER, 7/16" (12.9200)													
	120383	LOCKWASHER, 7/16" (12.9200)													
	103323	LOCKWASHER, 1/2" (12.9200)													
	117049	NUT, 3/8"-24 (12.9120)													
	271500	NUT, 7/16"-14 (12.9120)													
	271501	NUT, 7/16"-14 (12.9120)													
	456939	NUT, 7/16"-20 (12.9120)													
	102637	NUT, 1/2"-13 (12.9120)													
		+ NOT SERVICED, USE P/N IN PARENTHESES PLUS ITEMS IN 7.1001, 7.1511, 7.1516, 7.1566 AND 7.1586.													
		7.1440 - FAN, GENERATOR													
	1866400	* FAN					1								
		* PROCURE FROM UNITED DELCO.													

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17233	17290	17307	17337	17338	17343	17447	17505	17555	17557	17600	17601	17604
		7.1470 - BAFFLE, GENERATOR FAN													
	1877887	* BAFFLE					1								
		* PROCURE FROM UNITED DELCO.													
		7.1500 - PULLEY, GENERATOR													
1E,F	**5143095**	PULLEY (1.90" DIA., POLY-VEE)													1
1E,F	**5133563**	PULLEY (2.76" DIA., 2 GROOVE)								1		1			
1E,F	**5132527**	PULLEY (2.76" DIA., 2 GROOVE)									1				
1E,F	**5148796**	PULLEY (2.76" DIA., 2 GROOVE)											1	1	
1E,F	**5146571**	PULLEY (2.83" DIA., POLY-VEE)				1									
1E,F	**5147816**	PULLEY (3.00" DIA., 2 GROOVE)		1											
1E,F	**5108701**	PULLEY (3.25" DIA., 2 GROOVE)	1												
1E,F	**5133561**	PULLEY (3.25" DIA., 1 GROOVE)					1								
1E,F	**5146769**	PULLEY (5.50" DIA., 2 GROOVE)			1										
	103905	KEY, 1/8"X5/8" WOODRUFF (12.9350)		1											1
		7.1505 - PULLEY, GENERATOR DRIVE													
1E,F	**5143095**	PULLEY (1.90" DIA., POLY-VEE)				1									
1E,F	**5134827**	PULLEY (4.66" DIA., 2 GROOVE)	1												
1E,F	**5148836**	PULLEY (4.66" DIA., 2 GROOVE)											1	1	
1E,F	**5133091**	PULLEY (5.00" DIA., 2 GROOVE)		1											
1E,F	**5122267**	PULLEY (5.00" DIA., 1 GROOVE)					1								
1E,F	**8921942**	PULLEY (4.74" DIA., POLY-VEE)							1						1
1E,F	**5133095**	PULLEY (5.25" DIA., 2 GROOVE)									1				
1E,F	**5141817**	PULLEY (5.80" DIA., POLY-VEE)				1									
1E,F	**5146770**	PULLEY (5.82" DIA., 2 GROOVE)			1										
1E,F	**5132669**	PULLEY (6.29" DIA., 2 GROOVE)										1			
1E,F	**5132667**	PULLEY (6.29" DIA., 2 GROOVE)								1					
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)		1			1		1						1
1F	**124543**	KEY, 1/8"X1/2" WOODRUFF (12.9350)	1		1	1							1	1	
1F	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)									1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1			1		1						1
	5150230	WASHER, 3/8" FLAT (3.4120)		1			1		1						1
	103321	LOCKWASHER, 3/8" (12.9200)		AR					AR						AR
1C,D	**272906**	NUT, 3/4"-16 LOCK (12.9140)	1		1	1					1		1	1	
		7.1507 - DRIVE ASSY., GENERATOR													
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540 AND 7.1545.													
	5133747	DRIVE ASSY. (1.7600)	1		1	1							1	1	
	179839	BOLT, 3/8"-16X1" (12.9001)	2		2	2							2	2	
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)	3		3	4							3	3	
	186317	BOLT, 3/8"-24X5" (12.9001)	1		1									1	
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)				1							3		

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17231	17239	17307	17337	17383	17433	17477	17505	17555	17557	17600	17611	17644
		7.1507 - DRIVE ASSY., GENERATOR (CONT'D)													
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)	1		1										
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR								AR	
	117049	NUT, 3/8"-24 (12.9120)	1		1	1							1	1	
		7.1510 - HUB, GENERATOR DRIVE PULLEY													
1F	**5143234**	HUB (1.7610)	1		1	1			1				1	1	
1F	**5143233**	SHAFT (1.7640)	1		1	1			1				1	1	
1F	**5131130**	SHAFT (1.7640)									1				
	5117920	SHAFT (1.7640)		1			1		1						1
1F	**124543**	KEY, 1/8"X1/2" WOODRUFF (12.9350)	2		2	2							2	2	
	181596	BOLT, 5/16"-24X7/8" (12.9001)		3			3								3
	103320	LOCKWASHER, 5/16" (12.9200)		3			3								3
		7.1511 - HUB, FLANGE MOUNTED ALTERNATOR DRIVE													
	8922610	HUB						1							
		7.1515 - SEAL, GENERATOR DRIVE OIL													
1C	**5138710**	SEAL (3.4160)	1		1								1	1	
1C	**5131329**	SEAL (1.7660)		1			1		1						1
1C	**5177786**	SEAL (2.8810)		1			1		1						1
	5133682	SPACER, SEAL (1.7665)	1		1								1	1	
	5131131	SPACER, SEAL (1.3665)									1				
		7.1516 - SEAL, FLANGE MOUNTED ALTERNATOR DRIVE HUB													
	5139505	SEAL, OIL						1							
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL													
		A RETAINER ASSEMBLY INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1545.													
1F	**5133683**	RETAINER (1.7645)	1										1		
	5131402	RETAINER ASSY. (1.7645)									1				
1C,D	**179858**	BOLT, 7/16"-14X1" (12.9001)									1				
1C	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)									4				
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER													
1F	**5104507**	GASKET (1.5060)	1		1	1							1	1	
		7.1535 - BEARING, GENERATOR DRIVE													
1F	**908002**	BEARING (N.D. 55694L1C) (5.4332)	1		1	1							1	1	
1F	**907191**	BEARING (N.D. 5206W) (1.7655)									1				

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17233	17239	17300	17337	17338	17443	17447	17450	17555	17557	17600	17601	17604
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING													
1F	**274621**	LOCKRING	1		1	1							1	1	
1C	**9415285**	LOCKRING (2.7470)									1				
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING													
	5170450	PLATE (1.7630)									1				
	5145092	BOLT, 3/8"-20X1.20" SELF LOCK									4				
		7.1560 - COUPLING, GENERATOR DRIVE-INNER													
	5139545	COUPLING (1.7635)	1		1	1							1	1	
		7.1566 - COUPLING, FLANGE MOUNTED ALTERNATOR DRIVE													
	5139545	COUPLING (1.7635)						1							
		7.1575 - BELT, GENERATOR DRIVE													
	5145984	BELT (31"L., POLY-VEE)				1									
	9433877	BELT (36"L.X.500"W.)					1								
	5138935	BELT (37"L., POLY-VEE)							1						1
	5140927	BELT SET (2 BELTS) (28"L.X.500"W.)	1												
	5148276	BELT SET (2 BELTS) (29"L.X.380"W.)											1	1	
	5133175	BELT SET (2 BELTS) (39"L.X.380"W.)									1				
	5137861	BELT SET (2 BELTS) (39"L.X.380"W.)		1											
	5132591	BELT SET (2 BELTS) (46"L.X.380"W.)								1		1			
		7.1580 - STRAP, GENERATOR ADJUSTING													
10A	**5136028**	STRAP	1												
10A	**5139795**	STRAP			1										
10A	**5131768**	STRAP							1						1
10A	**5147838**	STRAP		1											
	5146027	STRAP				1									
	5127005	+ STRAP					1								
1C	**5124218**	+ STRAP								1		1			
	5137186	STRAP									1				
	5148834	STRAP											1	1	
	5163906	SPACER, 15/32"X1/4"X13/16 (7.1598)												1	
	5157412	SPACER, 7/8"X13/32"X1/4"	1												
	5196119	SPACER, 7/8"X13/32"X3/8" (5.4025)							1						
	186629	BOLT, 5/16"-18X1" (12.9001)					1								
	179839	BOLT, 3/8"-16X1" (12.9001)								1		1			
	186678	BOLT, 3/8"-16X1" (12.9001)		1											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1			1		1				1
	180123	BOLT, 3/8"-16X1 1/8" (12.9001)		1											
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	1												
	181361	BOLT, 3/8"-24X7/8" (12.9001)					1								

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1723	1729	1730	1737	1738	1743	1747	1750	1755	1757	1760	1761	1764
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)													
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)							1						1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)													1
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)									1				
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)			1	1							1	1	
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)											1	1	
	5150230	WASHER, 3/8" FLAT (3.4120)				1					1				
	103341	WASHER, 3/8" FLAT (12.9190)			AR										
	5132147	WASHER, 13/32"I.D. (3.4030)	1	1					1						1
	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)								1		1			
	5117082	WASHER,			1	1							1	1	
	103320	LOCKWASHER, 5/16" (12.9200)					AR								
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR	AR		AR	AR	AR	AR			AR
	120382	LOCKWASHER, 3/8" (12.9200)		2											
	103323	LOCKWASHER, 1/2" (12.9200)			AR	AR							AR	AR	
	102635	NUT, 3/8"-16 HEX. (12.9120)				1									
	123221	NUT, 3/8"-16 (12.9120)		1											
	117049	NUT, 3/8"-24 (12.9120)					1		1						1
	102637	NUT, 1/2"-13 (12.9120)											1	1	
		+ OBSOLETE-NO REPLACEMENT.													
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP													
	5196119	SPACER (13/32"X7/8")													1
	5109349	SPACER (1"X13/32"X.56")													1
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP													
	5133283	BRACKET		1			1		1						1
	5145816	BRACKET				1									
	5148837	BRACKET											1	1	
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)		2											
	214265	+ BOLT, 3/8"-16X3 3/4" (12.9001)					2		2						2
	5128235	BOLT, 3/8"-24X4 1/8" (12.9001)				2									
		+ OBSOLETE-NO REPLACEMENT.													
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY													
10B	5128544	GUARD								1		1			
	120628	BOLT, 1/4" (12.9001)								3		3			
	120392	WASHER, 1/4" FLAT (12.9190)								3		3			
	3844999	NUT, 1/4"-28 RETAINING (7.1587)								3		3			
		7.1586 - GUARD, FLANGE MOUNTED ALTERNATOR FAN													
	5107409	GUARD						1							
	5106162	GASKET (GUARD TO ADAPTOR)						1							
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD													
	5128536	BRACKET								1		1			
	5128537	BRACKET								1		1			
	5144708	BRACKET								1		1			

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1723	1729	1730	1737	1738	1743	1747	1750	1755	1757	1760	1761	1764
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)													
	5115323	SPACER								1		1			
	5196119	SPACER, 13/32"X7/8"								1		1			
	179837	BOLT, 3/8"-16X3/4" (12.9001)								1		1			
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)								1		1			
	186689	BOLT, 1/2"-13X2" (12.9001)								1		1			
	103343	WASHER, 1/2" (12.9190)								2		2			
	103321	LOCKWASHER, 3/8" (12.9200)								AR		AR			
	103323	LOCKWASHER, 1/2" (12.9200)								1		1			
		7.1588 - ADAPTOR, FLANGE MOUNTED ALTERNATOR													
	5148784	ADAPTOR						1							
	191637	BOLT, 3/8"-24X5 3/4" (12.9001)						3							
	192882	BOLT, 3/8"-16X6 1/4" (12.9001)						1							
	8925656	BOLT, 3/8"-16X2.00" (WITH SEAL PATCH) (12.9001)						2							
	5131433	WASHER, .41"X.81"X.14" (1.5001)						6							
		7.1589 - GASKET, FLANGE MOUNTED ALTERNATOR ADAPTOR													
	5104507	GASKET (1.5060)						1							
		7.1595 - BRACKET, GENERATOR MOUNTING													
1E,F	5145154	BRACKET (FRONT)	1												
1E,F	5145144	BRACKET (REAR)	1												
1C	5143523	BRACKET								1		1			
1C	5137450	BRACKET		1					1	1		1			1
	5145516	BRACKET (FRONT)			1	1									
	5145521	BRACKET (REAR)			1	1									
	5135411	BRACKET (FRONT)		1					1						1
	5142126	BRACKET (FRONT)					1								
	5137450	BRACKET (REAR)					1								
	5100299	BRACKET (REAR)									1				
	5100300	BRACKET (FRONT)									1				
	5148833	BRACKET											1	1	
	5148835	BRACKET											1	1	
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)		2			2		2				2	1	
	5160629	SPACER, 13/32" (4.2270)									2				
	6525288	RING, SEAL 7/8" I.D. X 1" O.D. (12.6512)	1		1	1									
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1		1	1									
	213546	BOLT, 1/4"-20X1" (12.9001)		2											2
	186647	BOLT, 1/4"-20X1" (12.9001)					2		2						
	179802	BOLT, 1/4"-20X1 5/8" (12.9001)	1		1	1									
	179839	BOLT, 3/8"-16X1" (12.9001)	2		2	2	2		4	2		2			4
	186678	BOLT, 3/8"-16X1" (12.9001)		2											
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)								2		2			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)								1		1	1	1	
	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)								1		1			
	5131478	BOLT, 3/8"-24X5 1/2"									2				
	5131125	BOLT, 3/8"-24X5 3/4"									2				
	180148	BOLT, 7/16"-14X1 3/8" (12.9001)		1											
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)					1		1				3	3	1
	179866	BOLT, 7/16"-14X2" (12.9001)	2		2	2									
	451925	BOLT, 7/16"-14X4 1/2" (12.9001)	1		1	1									
	5179709	WASHER, 1/4" FLAT COPPER (2.7175)	2	2	2	2	2		2						2
	120392	WASHER, 9/32" (12.9190)					2								

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1723	1729	1730	1737	1738	1743	1747	1750	1755	1757	1760	1761	1764
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)													
	5152148	WASHER, 3/8" COPPER (2.4050)	2	2	2	2	2		2						2
	103341	WASHER, 3/8" (12.9190)								2		2			

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17233	17239	17307	17337	17387	17433	17447	17500	17555	17557	17600	17611	17644
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)													
	103342	WASHER, 7/16" (12.9190)	1		1	1									
	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)													2
	103321	LOCKWASHER, 3/8" (12.9200)					2		4	6		6	1	1	4
	120382	LOCKWASHER, 3/8" (12.9200)		2											
	103322	LOCKWASHER, 7/16" (12.9200)	3		3	3	1		1				3		1
	120383	LOCKWASHER, 7/16" (12.9200)		1											
	117049	NUT, 3/8"-24 (12.9120)									2				
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET													
	5122266	GASKET		1			1		1						1
		7.1605 - REGULATOR, VOLTAGE													
@	9000590	* REGULATOR, 12V. (TRANSISTOR) (NEG. GRD.)							1	1		1			1
	1118955	* REGULATOR (12V., 25 AMP., POS. INSL.)					1								
@	9000591	* REGULATOR, 24V. (TRANSISTOR) (NEG. GRD.)	1								1				
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)					4								
	120380	LOCKWASHER, 1/4" (12.9200)					4								
		@ FIG. 10B OF 8.0000.													
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR													
	1115841	* RELAY (12V.)								1		1			1
	1115842	* RELAY (24V.)	1								1				
	123435	BOLT, 1/4"-28X5/8" (12.9001)								2					
	120380	LOCKWASHER, 1/4" (12.9200)								2					
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING													
	5131158	PLATE								1					
	179839	BOLT, 3/8"-16X1" (12.9001)								2					
	103341	WASHER, 3/8" (12.9190)								AR					
	103321	LOCKWASHER, 3/8" (12.9200)								2					
	102635	NUT, 3/8"-16 (12.9120)								2					
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR													
	1910966	* MOUNTING ASSY. (SHOCK)	1						1	1	1	1			1
	5131682	BRACKET					1								
	5134314	BRACKET								1					

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17233	17299	17300	17337	17383	17433	17447	17500	17555	17557	17600	17601	17644
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR (CONT'D)													
	190741	SCREW, 1/4"-28X1" (12.9015)								4					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					2								
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)								2					
	5170971	WASHER, 3/8" BEVEL (5.3015)								2					
	120380	LOCKWASHER, 1/4" (12.9200)								4					
	103321	LOCKWASHER, 3/8" (12.9200)								2					
	102635	NUT, 3/8"-16 (12.9120)								2					
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR													
	2985054	* CABLE ASSY.							1			1			1
	2985057	* CABLE ASSY.	1								1				
	5188133	STRAP, GROUND								1					
	5100673	SWITCH								1					
	5104778	TEE, 1/4"X1/4"X5/8"								1					
	444148	TEE, 1/4"-18								1					
	120423	LOCKWASHER, 1/4" (12.9215)								1					
	120217	LOCKWASHER, #10 (12.9200)								2					
	120614	NUT, #10-32 HEX. (12.9120)								2					

* PROCURE FROM UNITED DELCO.

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17887	17889	17890	17891	17892	17898	17899	18002	18003	18004	18007	18016
		7.1001 - GENERATOR ASSY.												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)	1	1	1	1								
	1117242	* GENERATOR (12V., 75 AMP., C.W./C.C.W.)												1
10B	**1117733**	* GENERATOR (24V., 60 AMP., AC) (C.W./C.C.W.)					1			1	1			
	3353524	GENERATOR (24V., 30 AMP., AC)				1								
10A,B	**1106868**	* GENERATOR (24V., 20 AMP., C.C.W., INSL.)						1						
10A,B	**1117781**	* GENERATOR (12V., 62 AMP., C.W./C.C.W., NEG. GRD.)							1					
	1105463	* GENERATOR (12V., 65 AMP., AC) (CW/CCW)										1		
	1105476	* GENERATOR (24V., 65 AMP., AC) (CW/CCW)											1	
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)				1								
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						1						
	186626	BOLT, 7/16"-14X1 5/8" (12.9001)						1						
	100042	BOLT, 7/16"-20X2" (12.9001)							1					
	100043	BOLT, 7/16"-20X2 1/2" (12.9001)							1					
	125683	BOLT, 7/16"-20X4 1/4" (12.9001)				2								
	181433	BOLT, 1/2"-20 X 1 3/4" (12.9001)												1
	179893	BOLT, 1/2"-13X3" (12.9001)					1				1			
	179886	BOLT, 1/2"-13 X 1 5/8" (12.9001)												1
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)					1				1			
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)								1		1	1	
	120394	WASHER, 3/8" (12.9190)				1								
	103342	WASHER, 7/16" (12.9190)						1						
	5131913	WASHER, 29/64" I.D. (3.4001)							3					
	5132715	WASHER, .53" I.D.X1"X.12" (1.3140)					3			2	3	2	2	1
	120382	LOCKWASHER, 3/8" (12.9200)				1								
	103322	LOCKWASHER, 7/16" (12.9200)						2	2					
	103323	LOCKWASHER, 1/2" (12.9200)					2			1	2	1	1	2
	120383	LOCKWASHER, 7/16" (12.9200)				2								
	103026	NUT, 3/8"-24 (12.9120)				1								
	271500	NUT, 7/16"-14 HEX. (12.9120)						2						
	271505	NUT, 7/16"-20 HEX. (12.9120)				2								
	456939	NUT, 7/16"-20 HEX. (12.9120)							2					
	102637	NUT, 1/2"-13 HEX. (12.9120)					2			1	2	1	1	1
	103028	NUT, 1/2"-20 (12.9120)												1
		7.1440 - FAN, GENERATOR												
10A	**1852643**	* FAN AND BAFFLE						1						
	113904	SCREW, #12-24X7/16" RD. HD. SL. (12.9025)						4						
	106498	LOCKWASHER, #12 (12.9200)						4						
		7.1500 - PULLEY, GENERATOR												
	5148796	PULLEY (2.76" DIA., 2 GROOVE)								1		1	1	
	5145671	PULLEY (2.83" DIA., POLY-VEE)					1				1			
	3351920	PULLEY (2.75" DIA., 2 GROOVE)	1			1								

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17871	17888	17889	17900	17901	17912	17918	17999	18002	18003	18004	18007	18016
		7.1500 - PULLEY, GENERATOR (CONT'D)													
	3354695	PULLEY (2.76" DIA., 2 GROOVE)		1	1										
	3354833	PULLEY (2.08" DIA., POLY-VEE)				1									
10A	**5108701**	PULLEY (3.25" DIA., 2 GROOVE)							1						
	5143095	PULLEY (1.90" DIA., POLY-VEE)								1					
	5133093	PULLEY (2.76" DIA., 2 GROOVE)													1
		7.1505 - PULLEY, GENERATOR DRIVE													
	5148836	PULLEY (4.66" DIA., 2 GROOVE)									1				
	5141817	PULLEY (5.80" DIA., POLY-VEE)						1				1			
1C,F	**5133091**	PULLEY (5.00" DIA., 2 GROOVE)	1				1								
1C,D	**5145905**	PULLEY (6.29" DIA., 2 GROOVE)		1	1									1	
	5145907	PULLEY (6.25" DIA., POLY-VEE)				1									
	8921942	PULLEY (4.74" DIA., POLY-VEE)								1					
	5132667	PULLEY (6.29" DIA., 2 GROOVE)											1		
	5145390	PULLEY (9" DIA., 2 GROOVE)													1
	5139735	PLATE													1
1F	**124543**	KEY, 1/8"X1/2" WOODRUFF (12.9350)						1			1	1			
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)								1					
	179838	BOLT, 3/8"-16X7/8"								1					3
	5150230	WASHER, 3/8" FLAT (3.4120)								1					
	5187641	WASHER, 25/64" (1.7605)													3
	103321	LOCKWASHER, 3/8" (12.9200)								1					3
	272906	NUT, 3/4"-16 HEX. (12.9120)						1			1	1			
		7.1507 - DRIVE ASSY., GENERATOR													
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540 AND 7.1545.													
	5133747	DRIVE ASSY. (1.7600)						1			1	1			
	179839	BOLT, 3/8"-16X1" (12.9001)						2			2	2			
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)						3			3	4			
	186317	BOLT, 3/8"-24X5" (12.9001)						1			1				
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)									2	1			
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)						1			1				
	103321	LOCKWASHER, 3/8" (12.9200)						6			6	6			
	117049	NUT, 3/8"-24 HEX. (12.9120)						1			1	1			
		7.1510 - HUB, GENERATOR DRIVE PULLEY													
1F	**5143234**	HUB (1.7610)						1			1	1			
1F	**5143233**	SHAFT (1.7640)						1			1	1			
	5117920	SHAFT (1.7640)								1					
1F	**124543**	KEY, 1/8"X1/2" WOODRUFF (12.9350)						2			2	2			
	181596	BOLT, 5/16"-24X7/8" (12.9001)								3					
	103320	LOCKWASHER, 5/16" (12.9200)								3					6

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1787	1788	1789	1790	1791	1792	1798	1799	1802	1803	1804	1807	1816
		7.1515 - SEAL, GENERATOR DRIVE OIL													
1F	**5138710**	SEAL (3.4160)						1			1	1			
	5177786	SEAL (2.8810)								1					
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL													
		A RETAINER INCLUDES ITEMS IN 7.1515, 7.1535 AND 7.1545.													
1F	**5133683**	RETAINER (1.7645)						1			1	1			
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER													
1F	**5104507**	GASKET (1.5060)						1			1	1			
		7.1535 - BEARING, GENERATOR DRIVE													
1F	**908002**	BEARING (N.D. 55694L1C) (5.4332)						1			1	1			
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING													
	5133682	SPACER (1.7665)						1			1	1			
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING													
1F	**274621**	LOCKRING						1			1	1			
		7.1560 - COUPLING, GENERATOR DRIVE-INNER													
	5139545	COUPLING						1			1	1			
		7.1575 - BELT, GENERATOR DRIVE													
	5148276	BELT SET (.380"W. X 29.00" L.)									1				
	5145984	BELT SET (31.00" L., 8 GROOVES) (POLY-VEE)										1			
	5120937	BELT SET (2 BELTS) (41.62" L., X. .380"W.)	1	1	1		1								
	5142280	BELT (40.00"L., 8 GROOVES)(POLY-VEE)				1									
	5144051	BELT (30.00"L., 8 GROOVES)(POLY-VEE)						1							
	5141704	* BELT SET (.380" W. X 50.00" L.)													1
	5101500	BELT SET (.380" W. X 47.00" L.)											1	1	

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17787	17788	17789	17790	17791	17792	17798	17799	18002	18003	18004	18007	18116
		7.1575 - BELT, GENERATOR DRIVE (CONT'D)													
	9433888	BELT (41.50" L., .500" W.)							1						
	5138935	BELT (37" L., POLY-VEE)								1					
		* OBSOLETE.													
		7.1580 - STRAP, GENERATOR ADJUSTING													
	5148834	STRAP									1				
	5146027	STRAP										1			
	3354564	STRAP		1		1									
	3354991	STRAP			1										
10A	5143976	STRAP						1							
	5124354	STRAP							1						
1E	5131768	STRAP								1					
	5101370	STRAP											1	1	
	5101577	STRAP													1
	5182680	SPACER, 13/32" (7.6001)													1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							1	1		1			
	455537	BOLT, 3/8"-16 X 4" (12.9001)													1
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)								1					
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)								1					
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)						1			1	1	2	2	1
	180175	BOLT, 1/2"-13X1 1/4" (12.9001)		1	1	1									
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)							1		1				
	120424	BOLT, 1/2"-20X1 1/4" (12.9001)		1	1	1									
	5150230	WASHER, 3/8" FLAT (3.4120)							1						
	5132147	WASHER, 13/32" (3.4030)								1					
	120396	WASHER, 1/2" (12.9190)		1	1	1									
	103343	WASHER, 1/2" (12.9190)									1	1			
	5117082	WASHER (3.4103)						1			1	1	1	1	1
	103321	LOCKWASHER, 3/8" (12.9200)							1	3		1			1
	103323	LOCKWASHER, 1/2" (12.9200)						1			2	1	2	2	1
	120384	LOCKWASHER, 1/2" (12.9200)		2	2	2									
	102635	NUT, 3/8"-16 HEX. (12.9120)										1			
	117049	NUT, 3/8"-24 HEX. (12.9120)								1					
	102637	NUT, 1/2"-13 HEX. (12.9120)									1				
	120371	NUT, 1/2"-20 HEX. (12.9120)		1	1	1									
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP													
	5196119	SPACER, 13/32"X7/8"X.38" (3.4001)							1	1					
	5109349	SPACER, 1"X13/32"X.56"								1					
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP													
	5148837	BRACKET									1				
	5145816	BRACKET										1			
	5133283	BRACKET								1					
	5128235	BOLT, 3/8"-24X4 1/8" (12.9001)									2	2			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)								2					

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17887	17888	17889	17890	17891	17892	17898	17899	18002	18003	18004	18007	18016
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY													
	5126906	GUARD							1						
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD													
	5181339	BRACKET (5.5070)							1						
	5128536	BRACKET							1						
	5127861	BRACKET							1						
	5101265	NUT, 1/4"-20 RETAINER (7.1585)							2						
	180016	BOLT, 1/4"-20X1/2" (12.9001)							2						
	179838	BOLT, 3/8"-16X7/8" (12.9001)							2						
	120392	WASHER, 1/4" (12.9190)							2						
	103319	LOCKWASHER, 1/4" (12.9200)							2						
	103321	LOCKWASHER, 3/8" (12.9200)							2						
	102635	NUT, 3/8"-16 HEX. (12.9120)							2						
		7.1595 - BRACKET, GENERATOR MOUNTING													
1E,F	5148833	BRACKET									1				
1E,F	5145516	BRACKET (FRONT)					1					1			
1E,F	5145521	BRACKET (REAR)					1					1			
	3351921	BRACKET	1				1								
1E,F	5135411	BRACKET	1				1			1					
1E,F	5137450	BRACKET	1				1			1					1
	3354694	BRACKET		1		1									
	3354850	BRACKET			1										
	5101371	BRACKET											1	1	
	5101321	BRACKET													1
	5126798	BRACKET							1						
	8924517	PLUG, 3/8" PIPE (12.9550)											1	1	
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)								1	1				2
	6525288	RING, "O" (12.6512)						1				1			
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1					1							
	186647	BOLT, 1/4"-20X1" (12.9001)	2				2			2					
	179802	BOLT, 1/4"-20X1 5/8" (12.9001)						1				1			
	179839	BOLT, 3/8"-16X1" (12.9001)	4				4	2	4	4		2			2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		4	4	4							4	4	4
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									1				
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)					1			1	3	3			
	427570	BOLT, 7/16"-14X2" (12.9001)						2				2			
	451925	BOLT, 7/16"-14X4 1/2" (12.9001)						1				1			
	123572	BOLT, 7/16"-20X1 1/8" (12.9001)	1				1								
	120919	BOLT, 7/16"-20X1 3/4" (12.9001)	1				1								
	125683	BOLT, 7/16"-20X4 1/4" (12.9001)	2												
	120424	BOLT, 1/2"-20X1 1/4" (12.9001)		2											
	109858	BOLT, 1/2"-20X1 7/8" (12.9001)			2	2									
	5179709	WASHER, 1/4" (COPPER) (2.7175)						2		2		2			
	120392	WASHER, 1/4" (12.9190)	2				2								

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17871	17878	17879	17901	17912	17918	17919	18002	18003	18004	18007	18016
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	120394	WASHER, 3/8" (12.9190)		4	4	4								
	5152148	WASHER, 9/16" (COPPER) (2.4050)					2		2		2			
	103342	WASHER, 7/16" (12.9120)					2				3			
	120380	LOCKWASHER, 1/4" (12.9200)	2			2								
	103321	LOCKWASHER, 3/8" (12.9200)						4	2	1		4	4	6
	120382	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4							
	103322	LOCKWASHER, 7/16" (12.9200)					3		5	2	3			
	120383	LOCKWASHER, 7/16" (12.9200)	5			3	3							
	120384	LOCKWASHER, 1/2" (12.9200)		2	2	2								
	271505	NUT, 7/16"-20 HEX. (12.9120)	4			6								
	120371	NUT, 1/2"-20 HEX. (12.9120)		2	2	2								
		7.1596 - SUPPORT, GENERATOR BRACKET												
	3352771	BRACKET	1			1								
	3351925	BRACE	1			1								
	120741	BOLT, 5/16"-24X3/4" (12.9001)	1			1								
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)	1											
	120394	WASHER, 3/8" (12.9190)	1											
	120214	LOCKWASHER, 5/16" (12.9200)	1			1								
	120382	LOCKWASHER, 3/8" (12.9200)	1											
	114493	NUT, 5/16"-24 HEX. (2.7170)	1			1								
	103026	NUT, 3/8"-24 HEX. (12.9120)	1											
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET												
	5122266	GASKET	1			1			1					
		7.1605 - REGULATOR, VOLTAGE												
	3354758	REGULATOR (24V.)				1								
	1119185	* REGULATOR (24V.)						1						
	9000590	* REGULATOR							1					
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY (12V.)							1					
		* PROCURE FROM UNITED DELCO.												
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)						1	1					

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1787	1788	1789	1790	1791	1792	1798	1799	1802	1803	1804	1807	1816
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR													
	2985054	* CABLE ASSY.								1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1804	1805	1806	1807	1809	1810	1814	1815	1818	1823
		7.1001 - GENERATOR ASSY.										
		▪ FOR TYPE 1808 USE TYPE 2087.▪ NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.										
	1100081	* GENERATOR (12V., 65 AMP.)(C.W./C.C.W.)	1	1	1					1		
	1100077	* GENERATOR (24V., 65 AMP.) (C.W./C.C.W.)				1	1	1				
	1117236	* GENERATOR (24V., 50 AMP.) (C.W./C.C.W.)							1			
	1117242	* GENERATOR (12V., 75 AMP.) (C.W./C.C.W.)									1	
	1100079	* GENERATOR (12V., 45 AMP.) (C.W./C.C.W.)										1
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)							1	1		
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)							1	1		
	9427545	BOLT, 1/2"-13X6 1/4" (12.9001)	1	1	1	1	1	1			1	1
	5132715	WASHER	2	2	2	2	2	2	2	2	2	2
	103323	LOCKWASHER, 1/2" (12.9200)	1	1	1	1	1	1	1	1	1	1
	102637	NUT, 1/2"-13 HEX. (12.9120)	1	1	1	1	1	1	1	1	1	1
		7.1500 - PULLEY, GENERATOR										
	5148796	PULLEY (2.76" DIA.,2 GROOVE)	1	1	1	1	1	1			1	
	5133093	PULLEY (2.76" DIA, 2 GROOVE)							1	1		
	5100633	PULLEY (2.76" DIA., 2 GROOVE)										1
		7.1505 - PULLEY, GENERATOR DRIVE										
	5102246	PULLEY (6.25" DIA., 2 GROOVE)					1				1	
1C,F	5133091	PULLEY (5.00" DIA., 2 GROOVE)										1
1C,D	5145905	PULLEY (6.29" DIA. 2 GROOVE)		1		1						
1C,F	5132669	PULLEY (6.29" DIA. 2 GROOVE)						1				
1C,F	5132667	PULLEY (6.29" DIA. 2 GROOVE)	1		1							
	5145390	PULLEY (9.00" DIA., 2 GROOVE)							1	1		
1F	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)										1
	5139735	*PLATE*							1	1		
	180121	BOLT, 3/8"-16X7/8" (12.9001)							3	3		1
	5150230	WASHER, 3/8" FLAT (3.4120)										1
	5187641	WASHER, 25/64"X1 1/8"X1/16" (1.7605)							3	3		
	103321	LOCKWASHER, 3/8" (12.9200)							3	3		1
		7.1575 - BELT, GENERATOR DRIVE										
	5101500	BELT SET (2 BELTS) (47.00 L.X.380"W.	1	1	1	1	1	1			1	
	5141704	BELT SET (2 BELTS) (50.00L.,X.380"W)							1	1		
	5133176	BELT SET (2 BELTS) (38.00L.,X.380"W)										1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1804	1805	1806	1807	1809	1810	1814	1815	1818	1823
		7.1580 - STRAP, GENERATOR ADJUSTING										
	5101577	STRAP							1	1		
	5148407	STRAP										1
	5101370	STRAP	1	1	1	1	1	1			1	
	5182680	SPACER, 7/8"-13/32"X2.50" (7.6001)							1	1		
	455537	BOLT, 3/8"-16X4" (12.9001)							1	1		
	179839	BOLT, 3/8"-16X1" (12.9001)										1
	442733	BOLT, 1/2"-13 X 1 1/4" (12.9001)	2	2	2	2	2	2	1	1	2	1
	5117082	WASHER,	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103343	WASHER, 1/2" (12.9190)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)							1	1		1
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	123221	NUT, 3/8"-16 HEX. (12.9120)										1
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP										
	5137851	BRACKET										1
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)										2
	103341	WASHER, 3/8" (12.9190)										2
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY										
	5144929	GUARD		1	1		1	1			1	
	5129317	GUARD							1	1		
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD										
	5128536	BRACKET		1	1		1	1			1	
	5131202	BRACKET (LONG)							1	1		
	5131201	BRACKET (SHORT)							1			
	5108612	BRACKET (4.4335)								2		
	5144792	BRACKET (UPR)		1	1		1	1			1	
	5144930	BRACKET (INBD)		1	1		1	1			1	
	5130179	SPACER, 3/4"X.40"X.18" (12.5023)		1	1		1	1			1	
	5131852	SPACER, 1/2"X3 1/2" (7.1590)								2		
	5101265	RETAINER, CLIP (7.1585)		3	3		3	2			3	
	120628	BOLT, 1/4"-20X1/2" (12.9025)		3	3		3	3			33	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1	1		1	1			1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		1	1		1	1			1	
	120392	WASHER, 9/32" (12.9190)		3	3		3	2			3	
	103341	WASHER, 3/8" (12.9190)		2	2		2	2			2	
	103320	LOCKWASHER, 5/16" (12.9200)							3	3		
	103321	LOCKWASHER, 3/8" (12.9200)		1	1		1	2			1	
	114493	NUT, 5/16"-24 (12.9190)							3	3		

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7.1000A BATTERY CHARGING GENERATOR

7.1595 - BRACKET, GENERATOR MOUNTING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 18041	18051	18061	18071	18091	18101	18141	18151	18181	18231
1E,F	5137450	BRACKET							1	1		
	5101371	BRACKET	1	1	1	1	1	1			1	
	5101321	BRACKET							1	1		
	5103197	BRACKET										1
	5164294	SPACER 13/32"X7/8"X1/8"							2	1		
	5145014	PLUG, 3/8" PIPE (12.9550)	1	1	1	1	1	1			1	
	186647	BOLT, 1/4"-20X1" (12.9001)										2
	179839	BOLT, 3/8"-16X1" (12.9001)							1	2		2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4	4	4	4	4	4	4	4	4	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)										1
	5179709	WASHER, 1/4" (COPPER)										2
	5152148	WASHER, 9/16" (COPPER) (2.4050)										2
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	6	6	4	
	103322	LOCKWASHER, 7/16" (12.9200)										2

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1824	1825	1828	1829	1830	1832	1833	1846	1867	1868	1869	1870	1871	1872
		7.1001 - GENERATOR ASSY.														
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.														
	1100188	* GENERATOR (12V., 65 AMP.) (C.W./C.C.W.)	1													
	1117248	* GENERATOR (24V., 50 AMP.) (C.W./C.C.W.)			1	1	1			1						
	1117242	* GENERATOR (12V., 65 AMP.) (C.W./C.C.W.)						1	1							1
	1117245	* GENERATOR (12V., 65 AMP.) (C.W./C.C.W.)									1					
	1117784	* GENERATOR (24V., 45 AMP. AC) (C.C.W.)										1				
	1117783	* GENERATOR (12V., 60 AMP. AC) (C.W.)											1			
	1117786	* GENERATOR (24V., 30 AMP. AC) (C.W.)												1		
	1100274	* GENERATOR (24V., 65 AMP. AC) (CW/CCW)		1												
	1117076	* GENERATOR (32V., 60 AMP. AC) (C.C.W.)													1	
	9439570	BEARING ASSY.				1	1			1					1	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)													1	
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)													1	
	186626	BOLT, 7/16"-14X1 5/8" (12.9001)										1	1	1		
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)										1	1	1		
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)	1	1	1	1	1	1	1	1	1					1
	5132715	WASHER, .53" I.D. X .940" DIA. X .12" (1.3140)	2	2	2	2	2	2	2	2	2					2
	5108436	WASHER, 15/32"I.D. (7.1598)										1	1	1		
	103321	LOCKWASHER, 3/8" (12.9200)														2
	103322	LOCKWASHER, 7/16" (12.9200)										2	2	2		
	103323	LOCKWASHER, 1/2" (12.9001)	1	1	1	1	1	1	1	1	1					1
	102637	NUT, 1/2"-13 (12.9120)	1	1	1	1	1	1	1	1	1					
		7.1500 - PULLEY, GENERATOR														
	5100633	PULLEY (2.76" DIA. 2 GROOVE)	1	1												
	5148796	PULLEY (2.76" DIA. 2 GROOVE)			1	1	1	1	1	1	1					1
10A	**5133563**	PULLEY (2.76" DIA. 2 GROOVE)										1	1	1		
		7.1505 - PULLEY, GENERATOR DRIVE														
1C,F	**5132667**	PULLEY (6.29" DIA., 2 GROOVE)						1		1						
1C,F	**5132669**	PULLEY (6.29" DIA., 2 GROOVE)					1	1		1						
1C,F	**5133091**	PULLEY (5.00" DIA., 2 GROOVE)	1	1												
	5102246	PULLEY (6.25" DIA., 2 GROOVE)				1						1	1	1	1	1
1C,F	**103904**	KEY, 13/32"X1/2" WOODRUFF (12.9350)	1	1												

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1824	1825	1828	1829	1830	1832	1833	1846	1867	1868	1869	1870	1871	1872
		7.1505 - PULLEY, GENERATOR DRIVE (CONT'D)														
1D	186678	BOLT, 3/8"-16X7/8" (12.9001)	1	1												
1D	5150230	WASHER, 3/8" (3.4120)	1	1												
	103321	LOCKWASHER, 3/8" (12.9200)	1	1												
		7.1510 - HUB, GENERATOR DRIVE PULLEY														
1E	5117920	SHAFT (1.7640)	1	1												
	181596	BOLT, 5/16"-24X7/8" (12.9001)	3	3												
	103320	LOCKWASHER, 5/16" (12.9200)	3	3												
		7.1515 - SEAL, GENERATOR DRIVE OIL														
	5177786	SEAL (2.8810)	1	1												
		7.1575 - BELT, GENERATOR DRIVE														
	5133176	BELT SET (2 BELTS) (38.00" L.X .380" W.)	1	1												
	5101500	BELT SET (2 BELTS) (47.00" L. X .380"W.)			1	1	1	1	1	1	1					1
	5132591	BELT SET (2 BELTS) (46.00" L. X .380" W.)										1	1	1	1	
		7.1580 - STRAP, GENERATOR ADJUSTING														
	5101370	STRAP			1	1	1	1	1	1	1					
	5148407	STRAP	1	1												
	5124218	+ STRAP										1	1	1		
	5128546	STRAP													1	
	179839	BOLT, 3/8"-16X1" (12.9001)	1	1								1	1	1		1
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)	1	2	2	2	2	2	2	2	2					2
	5150230	WASHER, 3/8" (3.4120)													1	
	103341	WASHER, 3/8" (12.9190)		1												
	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)										1	1	1		
	5117082	WASHER, .53" I.D. X 1.16" DIA. (3.4103)	1	1	1	1	1	1	1	2	1					1
	103343	WASHER, 1/2" (12.9190)				1	1	1	1		1					
	103321	LOCKWASHER, 3/8" (12.9200)		1												
	103323	LOCKWASHER, 1/2" (12.9200)	1	1	2	2	2	2	1	2						
	123221	NUT, 3/8"-16 (12.9120)	1													
		+ OBSOLETE-NO REPLACEMENT.														
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP														
	5137851	BRACKET	1	1												
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2	2												
	103341	WASHER, 3/8" (12.9190)	2													

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1824	1825	1828	1829	1830	1832	1833	1846	1867	1868	1869	1870	1871	1872
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP (CONT'D)														
	103321	LOCKWASHER, 3/8" (12.9200)		2												
	123221	NUT, 3/8"-16 (12.9120)		2												
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY														
	5144929	GUARD				1	1	1	1		1					1
	5128544	GUARD										1	1	1	1	
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD														
	5144792	BRACKET (UPR)				1	1	1	1		1					1
	5144930	BRACKET (INBD LWR)				1	1	1	1		1					1
	5128536	BRACKET (OTBD LWR)				1	1	1	1		1	1	1	1	1	1
	5128537	BRACKET										1	1	1	1	
	5144708	BRACKET										1	1	1	1	
	5196119	SPACER, 3/4"X.40"X.18" (12.5023)				1	1	1	1		1	1	1	1	1	1
	5115323	SPACER										1	1	1		
	5101265	RETAINER, CLIP (7.1585)				3	3	3	3		3	3	3	3	3	3
	179837	BOLT, 3/8"-16X3/4" (12.9001)										1	1	1	1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1	1	1	1		1					1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				1	1	1	1		1					1
	120628	BOLT, 1/4"-20X1/2" (12.9001)				3	3	3	3		3	3	3	3	3	3
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)										1	1	1	1	
	186689	BOLT, 1/2"-13X2" (12.9001)										1	1	1		
	103341	WASHER, 3/8" (12.9190)				AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
	103343	WASHER, 1/2" (12.9190)										AR	AR	AR	AR	
	120392	WASHER, 9/32" (12.9190)				3	3	3	3		3	3	3	3	3	3
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)										AR	AR	AR	AR	
		7.1595 - BRACKET, GENERATOR MOUNTING														
	5103197	BRACKET	1	1												
	5101371	BRACKET			1	1	1	1	1	1	1					1
1E,F	5143523	BRACKET										1	1	1		
	5137450	BRACKET (REAR)										1	1	1		
	5130538	BRACKET													1	
	8924517	PLUG, 3/8" PIPE (12.9550)			1										1	
	5145014	PLUG, 3/8" PIPE (12.9550)				1	1	1	1	1	1					1
	5150362	STUD, 3/8"-16X1 5/8" (5.2020)			2											
	186647	BOLT, 1/4"-20X1" (12.9001)	2	2												
	179839	BOLT, 3/8"-16X1" (12.9001)	1	2								2	2	2		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4		2		4	4	4	4	4	2	2	2	4	

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1824	1825	1828	1829	1830	1832	1833	1846	1867	1868	1869	1870	1871	1872
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)														
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)													1	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										1	1	1		
	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)										1	1	1		
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1	1												
	5179709	WASHER, 1/4" COPPER (2.7175)	2	2												
	103341	WASHER, 3/8" (12.9190)										AR	AR	AR		AR
	5152148	WASHER, 9/16" COPPER (2.4050)	2	2												
	103319	LOCKWASHER, 1/4" (12.9200)	1													
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR												
	117049	NUT, 3/8"-24 (12.9120)			2											
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET														
	5122266	GASKET	1	1												
		7.1605 - REGULATOR, VOLTAGE														
@	9000591	* REGULATOR, 24V. (TRANSISTOR) (NEG. GRD.)										1	1			
	9000593	□ REGULATOR, 32V. (NEG. GRD.)													1	
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR														
	1115842	* RELAY (24V.)										1	1			
	1115843	* RELAY (32V.)													1	
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR														
	1910966	* MOUNTING ASSY. (SHOCK)										1	1		1	
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR														
	2985055	* CABLE ASSY. (32V.)													1	
	2985057	* CABLE ASSY. (24V.)										1	1			

@ FIG. 10B OF 8.0000
□ OBSOLETE-NO REPLACEMENT.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1873	1880	1883	1884	1885	1886	1887	1898	1901	1906	1910	1911	1912	1913
	7.1001 - GENERATOR ASSY.															
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.														
	NPN	GENERATOR (CUSTOMER FURNISHED)							1							
	1117733	* GENERATOR (32V., 50 AMP.) C.W./C.C.W.)				1					1					
	1117248	* GENERATOR (24V., 50 AMP.) (C.W./ C.C.W.)	1		1					1		1				
	1100077	* GENERATOR (24V., 65 AMP.AC) (C.W./ C.C.W.)		1				1					1		1	1
	1100081	* GENERATOR (12V., 65 AMP.) (C.W./ C.C.W.)					1							1		
	1117237	* GENERATOR (32V., 50 AMP.) (C.W./ C.C.W.)				1										
	5102402	SPACER (.556X.840X3.24"L.)					1	1	1							
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)	1	1	1	1	1	1		1	1	1	1	1	1	1
	5132715	WASHER,.53"X.94"X.12" (1.3140)	2	2	2	2	2	2		2	2	2	2	2	2	2
	103323	LOCKWASHER, 1/2" (12.9200)	1	1	1	1	1	1		1	1	1	1	1	1	1
	102637	NUT, 1/2"-13 HEX. (12.9120)	1	1	1	1	1	1		1	1	1	1	1	1	1
	7.1500 - PULLEY, GENERATOR															
	5133563	PULLEY (2.76" DIA., 2 GROOVE)										1				
	5148796	PULLEY (2.76" DIA., 2 GROOVE)	1	1	1	1				1	1		1	1	1	1
	5134955	PULLEY (2.76" DIA., 2 GROOVE)					1	1	1							
	7.1505 - PULLEY, GENERATOR DRIVE															
	5102246	PULLEY (6.25" DIA., 2 GROOVE)	1								1			1		1
1C,F	5132667	PULLEY (6.29" DIA., 2 GROOVE)		1						1					1	
	5148836	PULLEY (4.66" DIA., 2 GROOVE)			1	1							1			
	5104957	PULLEY (7.00" DIA., 2 GROOVE)										1				
	5103301	PULLEY (5.52" DIA., 2 GROOVE)					1	1	1							
	124543	KEY, 1/4"X1" WOODRUFF (12.9350)			1	1							1			
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)					1	1	1							
1C	272906	NUT, 3/4"-16 HEX. LOCK (12.9120)			1		1	1	1			1	1			
	7.1507 - DRIVE, ASSY., GENERATOR															
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540, 7.1545.														
	5133747	DRIVE ASSY.			1	1							1			
	5146552	DRIVE ASSY.										1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 18730	18800	18833	18844	18855	18866	18877	18988	19001	19006	19100	19111	19122	19133
		7.1507 - DRIVE, ASSY., GENERATOR (CONT'D)														
	179839	BOLT, 3/8"-16X1" (12.9001)			2	2							2			
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)			3	3							3			
	186317	BOLT, 3/8"-24X5" (12.9001)			1											
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)				1							3			
	186658	BOLT, 3/8"-24X3 1/2" (12.9001)			1	1										
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)										4				
	103321	LOCKWASHER, 3/8" (12.9200)			6	6							6			
	117049	NUT, 3/8"-24 (12.9190)			1	1							1			
		7.1510 - HUB, GENERATOR DRIVE PULLEY														
1F	**5143234**	HUB			1								1			
	5131130	SHAFT (1.7640)					1					1				
1F	**5143233**	SHAFT			1								1			
	124543	KEY, 1/4"X1" WOODRUFF (12.9350)					1					1	1			
		7.1515 - SEAL, GENERATOR DRIVE OIL														
	5138710	SEAL (3.4160)			1								1			
	5131329	SEAL (1.7660)					1	1	1			1				
	5131131	SPACER, SEAL (1.3665)					1	1	1	1						
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL														
		A RETAINER ASSY. INCLUDES OIL SEAL IN 7.1515 AND ITEMS IN 7.1535 AND 7.1545.														
1C	**5133683**	RETAINER (1.7645)			1								1			
	5131402	RETAINER ASSY.					1	1	1			1				
	179858	BOLT, 7/16"-14X1" (12.9001)										1				
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)					1	1	1							
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER														
	5104507	GASKET (1.5060)			1	1										
		7.1535 - BEARING, GOVERNOR DRIVE														
	908002	BEARING (N.D. 55694LIC) (5.4332)			1								1			
	907191	BEARING (N.D. 5206W) (1.7655)					1	1	1			1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1873	1880	1883	1884	1885	1886	1887	1898	1901	1906	1910	1911	1912	1913
		7.1540 - SPACER, GENERATOR DRIVE PULLEY BEARING SHAFT														
	5133682	SPACER (1.7665)			1								1			
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING														
	274621	LOCKRING			1								1			
	9415285	LOCKRING (2.7470)					1	1	1			1				
		7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING														
	5170450	PLATE (1.7630)					1	1	1			1				
	5145092	BOLT, 3/8"-20X1.20" SELF LOCK					4	4	4			4				
		7.1560 - COUPLING, GENERATOR DRIVE														
	5135945	COUPLING (1.7635)			1	1							1			
		7.1575 - BELT, GENERATOR DRIVE														
	5101500	BELT SET (2 BELTS)(47.00"L.X.380"W.)	1	1						1	1			1	1	1
	5133174	BELT SET (2 BELTS) (40.00"L.X.380"W)					1	1	1			1				
	5148276	BELT SET (2 BELTS) (29.00"L.X.380"W)			1	1							1			
		7.1580 - STRAP, GENERATOR ADJUSTING														
	5101370	STRAP	1	1						1	1			1	1	1
	5146495	STRAP										1				
	5148834	STRAP			1	1							1			
	5102250	STRAP					1	1	1							
	5102254	SPACER,			1	1										
	5122898	SPACER, 7/8" X 17/32" X 5/8" (7.1590)					1	1								
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)					1	1	1			1	1			
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)	2	1						2	2	1	1	2	2	2
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)			1	1	1	1								
	186295	BOLT, 1/2"-13X5 1/2" (12.9001)			1	1										
	5117082	WASHER (3.4103)	1	1			1	1		1	1	1	1	1	1	1
	5132715	WASHER (1.3140)			1	1				1						
	103343	WASHER, 1/2" (12.9190)												1	1	
	103322	LOCKWASHER, 7/16" (12.9200)					1	1	1							
	103323	LOCKWASHER, 1/2" (12.9200)	2	1	2	2	2	2		2	2	2	2	2	2	2
	102637	NUT, 1/2"-13 (12.9120)			1	1						1	1			
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP														
	5147297	BRACKET										1				
	5148837	BRACKET			1	1							1			
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)										1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1873	1880	1883	1884	1885	1886	1887	1898	1901	1906	1910	1911	1912	1913
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP (CONT'D)														
	186317	BOLT, 3/8"-24X5" (12.9001)										1				
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)										1				
	5131913	WASHER,13/16"X29/64"X5/32" (3.4001)										1				
	117049	NUT, 3/8"-24 (12.9120)										1				
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY														
	5144929	GUARD	1							1	1			1	1	1
	5102252	GUARD			1	1										
		7.1587 - BRACKET, GENERATOR DRIVE AND PULLEY GUARD														
	5144792	BRACKET (UPR)	1							1	1			1	1	1
	5144930	BRACKET (INBD LWR)	1							1	1			1	1	1
	5128536	BRACKET (OTBD LWR)	1							1	1			1	1	1
	5102355	BRACKET			1	1										
	5102356	BRACKET			1	1										
	5196119	SPACER, 3/4"X.40"X.18" (12.5023)	1							1	1			1	1	1
	179816	BOLT, 5/16"-18X3/4" (12.9001)			3	3										
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1													
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1							1	1			1	1	1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	1							1	1			1	1	1
	120628	BOLT, 1/4"-20X1/2" (12.9001)	3							3	3			3	3	3
	179857	BOLT, 7/16"-14X7/8" (12.9001)			1	1										
	103341	WASHER, 3/8" (12.9190)	1							2	2			2	2	2
	120392	WASHER, 9/32" (12.9190)	AR							AR	AR			AR	AR	AR
	103320	LOCKWASHER, 5/16" (12.9200)			AR	AR										
	103321	LOCKWASHER, 3/8" (12.9200)								1	1			1	1	1
	103322	LOCKWASHER, 7/16" (12.9200)			1	1										
	5101265	NUT, 1/4"-20 (7.1585)								3	3			3	3	3
	123197	NUT, 5/16"-18 (12.9120)			AR	AR										
		7.1595 - BRACKET, GENERATOR MOUNTING														
	5101371	BRACKET	1	1						1	1			1	1	1
	5146446	BRACKET										1				
	5107386	BRACKET (7.1583)										1				
	5148833	BRACKET			1	1							1			
	5102245	BRACKET					1	1	1							
	5101973	BRACKET					1	1	1							
	5160629	SPACER, 5/8"O.D.X.109 THK.X7/32"L.					2	2	2							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 18730	18830	18834	18835	18836	18837	18898	19001	19006	19010	19111	19112	19113
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)													
	5164294	SPACER, 7/8 O.D. X13/32 THR.X1/8"L.									2				
	5145014	*PLUG, 3/8" PIPE* (12.9550)	1	1					1	1			1	1	1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	4					4	4			4	4	4
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									2				
	5131478	BOLT, 3/8"-24X6" (12.9001)				2	2	2							
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)			2	2					2	3			
	5104609	BOLT, 7/16-14X1.50" W/SEAL PATCH									1				
	5150568	WASHER, 7/16"X3/4" (2.4050)										1			
	5108436	WASHER, 15/32"X15/16"X5/32"									1				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR	AR	AR	AR	AR		AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)			AR	AR					AR	AR			
	117049	NUT, 3/8"-24 (12.9120)				AR	AR	AR							
		7.1596 - SUPPORT, GENERATOR BRACKET													
	5148835	SUPPORT			1	1						1			
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)			1	1						1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			1	1						1			
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)			1	1						1			
	103321	LOCKWASHER, 3/8" (12.9200)			1	1						1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1917	1921	1925	1927	1935	1939	1945	1949	1950	1958	1979	1980	1981	1982
	7.1001 - GENERATOR ASSY.															
		▪ FOR TYPE 1942 USE TYPE 2108.▪ NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.														
	NPN	GENERATOR (CUSTOMER FURNISHED)										1	1			1
	1102366	* # GENERATOR (24V., 18 AMP. AC.) (C.W./C.C.W.) (TYPE 2088)			1											
	1100077	* GENERATOR (24V., 65 AMP. AC.) (C.W./C.C.W.)	1			1	1		1					1		
	1100081	* GENERATOR (12V., 65 AMP. AC.) (C.W./C.C.W.)		1						1					1	
	5104712	@ + GENERATOR (14V., 100 AMP AC) (C.W./C.C.W.) (A00190582)						1								
	1117248	* GENERATOR (24V., 50 AMP. AC.) (C.W./C.C.W.)									1					
	455537	BOLT, 3/8"-16X4" (12.9001)			1											
	5131478	BOLT, 3/8"-24 X 6" (12.9001)												2	2	2
	9427945	BOLT, 1/2"-13 X 6 1/4" (12.9001)	1			1			1	1	1	1		1	1	
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)		1			1									
	181433	BOLT, 1/2-13X2 1/4" (12.9001)		1			1									
		# NOT SERVICED; USE TYPE NUMBER SHOWN IN PARENTHESES.														
	5131433	WASHER, SPECIAL (1.5001)			2											
	5132715	WASHER, SPECIAL (1.3140)	2	1		2	1		2	2	2	2		2	2	
	103321	LOCKWASHER, 3/8" (12.9200)			1											
	103323	LOCKWASHER, 1/2" (12.9200)	1	2		1	1		1	1	1	1		1	1	
	102635	NUT, 3/8"-16 (12.9120)			1											
	102637	NUT, 1/2"-13 (12.9120)	1	1		1	1		1	1	1			1	1	
	103028	NUT, 1/2"-20 (12.9120)		1												
		+ SERVICED AS AN ASSY. FOR COMPONENTS CONTACT LEECE-NEVILLE CO. USE THEIR NUMBER SHOWN IN PARENTHESES.														
		# NOT SERVICED, USE METRIC TYPE NUMBER SHOWN IN PARENTHESES.														
		@ NOT SERVICED, FOR SERVICE USE 8922756.														
	7.1440 - FAN, GENERATOR															
	1959703	* FAN			1											
		* NOT SERVICED; PROCURE THROUGH AC DELCO.														
	7.1500 - PULLEY, GENERATOR															
	5103078	PULLEY (2.75" DIA., 1 GROOVE)			1											
	5148796	PULLEY (2.76" DIA., 2 GROOVES)	1			1						1				
	5133093	PULLEY (2.76" DIA., 2 GROOVES)		1			1									
	5108701	PULLEY (3.24" DIA., 2 GROOVES)							1	1						
	5103300	PULLEY (2.76" DIA., 2 GROOVE)												1	1	1
	7.1505 - PULLEY, GENERATOR DRIVE															
	5103301	PULLEY (5.52" DIA., 2 GROOVE)												1	1	1
1C,D	5145905	PULLEY (6.29" DIA., 2 GROOVES)			1							1				
1C	5145906	PULLEY (6.25" DIA., 2 GROOVE)											1			
1C,F	5132667	PULLEY (6.29" DIA., 2 GROOVES)				1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1917	1921	1925	1927	1935	1939	1945	1949	1950	1958	1979	1980	1981	1982
		7.1505 - PULLEY, GENERATOR DRIVE (CONT'D)														
	5145390	PULLEY (9" DIA., 2 GROOVES)		1			1									
	5122267	PULLEY (5" DIA., 1 GROOVE)							1	1						
	5103486	PULLEY (5.82" DIA., 2 GROOVES)									1					
	5170450	PLATE												1	1	1
	5139735	PLATE					2									
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)							1	1						
	124549	KEY, 3/16" X 3/4" WOODRUFF (12.9350)												1	1	1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1917	1921	1925	1927	1935	1939	1945	1949	1950	1958	1979	1980	1981	1982
		7.1505 - PULLEY, GENERATOR DRIVE (CONT'D)														
1F	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)									1					
	179838	BOLT, 3/8"-16X7/8" (12.9001)		3			3		1	1						
	5145092	BOLT, 3/8"-24 X 1.20" (12.9001)												4	4	4
	5150230	WASHER, 3/8"X1 3/16" (3.4120)							1	1						
	5187641	WASHER, 25/64"X1 1/8"X1/16" (1.7605)		3			3									
	103321	LOCKWASHER, 3/8" (12.9200)		3			3		1	1						
	272906	NUT, 3/4"-16 HEX. (12.9120)									1			1	1	1
		7.1507 - DRIVE ASSY., GENERATOR														
		INCLUDES NUT IN 7.1505 AND ITEMS IN 7.1510, 7.1535, 7.1540, 7.1545														
	5133747	DRIVE ASSY.									1					
	179839	BOLT, 3/8"-16X1" (12.9001)									2					
	179847	BOLT, 3/8"-16 X 2" (12.9001)						2								
	186283	BOLT, 3/8"-16 X 3 1/2" (12.9001)						3								
1E	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)									2					
1E	186318	BOLT, 3/8"-24X5 1/4" (12.9001)									3					
	186658	BOLT, 3/8"-24 X 5 1/2" (12.9001)						3								
	186324	BOLT, 3/8"-24 X 6 1/2" (12.9001)						1								
	5131433	WASHER, SPECIAL (1.5001)						9								
1E	103321	LOCKWASHER, 3/8" (12.9200)						9			6					
	117049	NUT, 3/8"-24 HEX. (12.9120)						1			1					
		7.1510 - HUB, GENERATOR DRIVE PULLEY														
	5148881	HUB (1.7640)						1								
	5117920	HUB (1.7640)							1	1						
1E	5143234	HUB (1.7610)									1					
1E	5143233	SHAFT (1.7640)									1					
1E	5131130	SHAFT												1	1	1
1E	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)									2					
	181596	BOLT, 5/16"-24X7/8" HEX. (12.9001)							3	3						
	103320	LOCKWASHER, 5/16" (12.9200)							3	3						
		7.1515 - SEAL, GENERATOR DRIVE OIL														
	5131329	SEAL (1.7660)												1	1	1
	5177786	SEAL (1.7620)							1	1						
	5139505	SEAL						1								
1E	5138710	SEAL (3.4160)									1					
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL														
		A RETAINER ASSY. INCLUDES OIL SEAL IN 7.1515 AND ITEMS IN 7.1535 AND 7.1545.														
1E	5133683	RETAINER (1.7645)									1					
1E	5131402	RETAINER (1.7645)												1	1	1
	179882	BOLT, 1/2"-13 X 1 1/8" (12.9001)												4	4	4

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1917	1921	1925	1927	1935	1939	1945	1949	1950	1958	1979	1980	1981	1982
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER														
1E	**5104507**	GASKET (1.5060)									1					
	5106162	GASKET (1.5060)						1								

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1917	1921	1925	1927	1935	1939	1945	1949	1950	1958	1979	1980	1981	1982
		7.1535 - BEARING, GENERATOR DRIVE														
1E	908002	BEARING (N.D. 55694LIC) (5.4332)									1					
1E	907191	BEARING (N.D. 5206W) (5.4332)												1	1	1
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING														
1E	5133682	SPACER (1.7665)									1					
1E	5131131	SPACER (1.7665)												1	1	1
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING														
	274621	LOCKRING									1					
	9415285	RING												1	1	1
		7.1560 - COUPLING, GENERATOR DRIVE														
	5139545	COUPLING (1.7635)						1			1					
		7.1575 - BELT, GENERATOR DRIVE														
	5103271	BELT (42" L.X.380" W.)			1											
	5101500	BELT SET (2 BELTS) (47" L.X.380 W.)	1									1				
	5137635	BELT SET (2 BELTS) (44" L.X.380 W.)				1										
	5180665	BELT SET (2 BELTS) (51" L.X.380" W.)		1			1									
	5133517	BELT (39" L.X.500" W.)							1	1						
	5133178	BELT (.380" W. X 36" L.) (COGGED)									1					
	5133174	BELT (.380" W X 40" L.) (COGGED)												1	1	1
	5138935	BELT (1.12" W.X36" L.) (POLY-VEE)									1					
		7.1580 - STRAP, GENERATOR ADJUSTING														
	5103305	STRAP			1											
	5103379	STRAP				1										
	5149389	STRAP		1			1									
	5148407	STRAP							1	1						
	5146495	STRAP									1					
	5101370	STRAP	1									1	1			
	5102250	STRAP												1	1	1
	5122898	SPACER												1	1	1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)			1											
	179839	BOLT, 3/8"-16?1" (12.9001)							1	1						
	455537	BOLT, 3/8"-16X4" (12.9001)		1			1									
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)	2	1		2	1		1	1	1		1			
	186725	BOLT, 1/2"-13 X 1 1/2" (12.9001)			1									1	1	
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)									1					
	427567	BOLT, 7/16"-14 X 1 3/4" (12.9001)												1	1	1
	5121403	WASHER, 21/64"X1"X3/16" (3.4080)			1											
	5117082	WASHER (3.4103)	1	1		1	1		1	1	1	1		2	2	
	103320	LOCKWASHER, 5/16" (12.9200)			1											
	103321	LOCKWASHER, 3/8" (12.9200)							1	1						
	120384	LOCKWASHER, 1/2" (12.9200)	2	1	1									1	1	1
	103322	LOCKWASHER, 7/16" (12.9200)												1	1	1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 19171	19211	19225	19227	19235	19239	19245	19249	19250	19258	19279	19280	19281	19282
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)														
	103323	LOCKWASHER, 1/2" (12.9200)				2	1		1	1	2					
	123221	NUT, 3/8"-16 (12.9120)					1		1	1						
	102637	NUT, 1/2"-13 (12.9120)									1					
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP														
	5103219	SPACER, 7/8"X13/32"X2.75"		1			1									
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP														
	5137851	BRACKET							1	1						
	5147297	BRACKET									1					
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)							2	2						
	103341	WASHER, 3/8" FLAT (12.9190)							1	1						
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULL EY														
	5126906	GUARD			1											
	5107409	GUARD						1								
	5148784	ADAPTOR						1								
		7.1587 - BRACKET, GENERATOR DRIVE AND PULLEY GUARD														
	5123738	BRACKET (UPR)			1											
	5103075	BRACKET (INBD LWR)			1											
	5103076	BRACKET (OTBD LWR)			1											
	186630	BOLT, 1/4"-20X5/8" (12.9001)			1											
	120638	BOLT, 1/4"-20X1/2" (12.9001)			3											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1											
	120392	WASHER, 9/32"X5/8" (12.9190)			1											
	103343	WASHER, 1/2" (12.9190)			1											
	103319	LOCKWASHER, 1/4" (12.9200)			1											
	103321	LOCKWASHER, 3/8" (12.9200)			1											
	5101265	NUT, 1/4"-20 (7.1585)			3											
		7.1595 - BRACKET, GENERATOR MOUNTING														
	8921742	BRACKET			1											
	5101371	BRACKET	1			1						1	1			
	5101321	BRACKET		1			1									
	5102245	BRACKET												1	1	1
	5101973	BRACKET												1	1	1
	5136156	BRACKET		1			1									
	5103197	BRACKET							1	1						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1917	1921	1925	1927	1935	1939	1945	1949	1950	1958	1979	1980	1981	1982
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)														
	5146446	BRACKET									1					
	5107386	BRACKET (7.1583)									1					
	5164294	SPACER (7.1581)		2			2				2					
	5160629	SPACER (4.2270)												2	2	2
	5102402	SPACER												1	1	1
	5137947	BUSHING			1											
	5122266	GASKET							1	1						
	5145014	PLUG, 3/8" PIPE (12.9550)	1			1						1	1			
	186647	BOLT, 1/4"-20X1" (12.9001)							2	2						
	179839	BOLT, 3/8"-16X1" (12.9001)	2				2		2	2						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4		4	4	4					4				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									2					
	5150362	STUD, 3/8"-16 X 1 5/8" (12.9001)	2													
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)							1	1	3					
	5179709	WASHER, 1/4" (COPPER) (2.7175)							2	2						
	5150568	WASHER, 3/8"X9/16" (COPPER) (2.4050)									1					
	5152148	WASHER, 9/16" (COPPER) (2.4050)							2	2						
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4				2	4	4	2	2	2
	103322	LOCKWASHER, 7/16" (12.9200)							1	1	2					
	117049	NUT, 3/8"-24 (12.9120)	2											2	2	2
	103028	NUT, 1/2"-20 (12.9120)					1									

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1990	1995	1996	1997	2014	2015	2027	2028	2032	2087	2088	2107	2108	2112
	7.1001 - GENERATOR ASSY.															
		FOR TYPE 2005 USE TYPE 2173. NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.														
	NPN	GENERATOR (CUSTOMER FURNISHED)		1	1			1							1	
	1105454	* GENERATOR (24V., 18 AMP. AC) (C.W./C.C.W.)											1			1
	1117242	* GENERATOR (12V., 75 AMP. AC.) (C.W./C.C.W.)	1													
	1117243	* GENERATOR (24V., 35 AMP. AC (C.W.)							1	1						
	1100077	* GENERATOR (24V., 65 AMP. AC) (C.W./C.C.W.)										1				
	1102940	* GENERATOR (12V., 42 AMP. AC.) (C.W./C.C.W.)				1										
	1105476	* GENERATOR (24V., 65 AMP. AC) (C.W./C.C.W.)										1				
	1117249	* GENERATOR (24V., 75 AMP. AC) (C.W./C.C.W.)							1		1					
	2646741	* GENERATOR (24V., 30 AMP. AC)												1		
	186647	BOLT, 1/4"-20X1" (12.9001)												2		
	179839	BOLT, 3/8"-16X1" (12.9001)												4		
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)												1		
	123572	BOLT, 7/16"-20X1 1/8" (12.9001)												1	1	
	124133	BOLT, 7/16"-20X2" (12.9001)												1		
	455537	BOLT, 3/8"-16 X 4" (12.9001)				1										
	120919	BOLT, 7/16"-20X1 3/4" (12.9001)													1	
	125683	BOLT, 7/16"-20X4 1/4" (12.9001)												2	2	
	11500730	BOLT, M10X1.5 110MM (12.9001)											1			1
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)	1	1	1			1	1	1	1	1	1			1
	5131433	WASHER, SPECIAL (1.5001)				2							2		2	2
	5132715	WASHER, SPECIAL (1.3140)	2	2	2			2	2	2	2	2				
	120392	WASHER, 9/32"X5/8" (12.9190)												2		
	5131913	WASHER, 13/16"X29/64"X5/32"												1		
	120380	LOCKWASHER, 1/4" (12.9200)												2		
	120382	LOCKWASHER, 3/8" (12.9200)												4		
	103321	LOCKWASHER, 3/8" (12.9200)				1										
	103323	LOCKWASHER, 1/2" (12.9200)	1		1			1	1	1	1	1				
	11500192	LOCKWASHER, M10 (12.9120)											1			1
	120383	LOCKWASHER, 7/16" (12.9200)												5	4	
	102635	NUT, 3/8"-16 (12.9120)				1										
	127855	NUT, 7/16"-20 (12.9120)												4	4	
	102637	NUT, 1/2"-13 (12.9120)	1		1			1	1	1	1	1				
	11501052	NUT, M10-1.5 (12.9120)											1			1
	7.1440 - FAN, GENERATOR															
	1959703	* FAN				1							1			1
		* NOT SERVICED; PROCURE THROUGH AC DELCO.														
	7.1500 - PULLEY, GENERATOR															
	5103078	PULLEY (2.75" DIA., 1 GROOVE)											1			1
	5148796	PULLEY (2.76" DIA., 2 GROOVE)	1	1	1			1	1		1	1				
	5108701	PULLEY (3.24" DIA., 2 GROOVE)								1						
	5132527	PULLEY (2.76" DIA., 2 GROOVE)				1										
	3351920	PULLEY (2.75" DIA., 2 GROOVE)												1	1	

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1990	1995	1996	1997	2014	2015	2027	2028	2032	2087	2088	2107	2108	2112
		7.1505 - PULLEY, GENERATOR DRIVE														
1C,D	5145905	PULLEY (6.29" DIA., 2 GROOVE)									1		1			
	5132669	PULLEY (6.29" DIA., 2 GROOVE)	1					1	1			1				1
1E,10A	5122267	PULLEY (5.00" DIA., 1 GROOVE) (1.7605)								1						
	5102246	PULLEY (6.25" DIA., 2 GROOVE)		1	1											
	5133091	PULLEY (5.00" DIA., 2 GROOVE)												1	1	
	103904	WOODRUFF KEY, 3/32"X1/2" (12.9350)								1					1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)								1					1	
	5150230	WASHER, 3/8"X1 3/16" (3.4120)								1					1	
	103321	LOCKWASHER, 3/8" (12.9200)								1						
	120382	LOCKWASHER, 3/8" (12.9200)													1	
		7.1510 - HUB, GENERATOR DRIVE PULLEY														
	5117920	SHAFT (1.7640)								1					1	
	181596	BOLT, 5/16"-24X7/8" (12.9001)								3					3	
	103320	LOCKWASHER, 5/16" (12.9200)								3						
	120214	LOCKWASHER, 5/16" (12.9200)													3	
		7.1515 - SEAL, GENERATOR DRIVE OIL														
	5177786	SEAL (1.7620)								1						
		7.1575 - BELT, GENERATOR DRIVE														
	5103271	BELT (42" L.X.380" W.)											1			1
	5101500	BELT SET (2 BELTS) (47" L.X.380" W.)	1	1	1			1	1		1	1				
	5133516	BELT (38.00"L.X.500 W.)								1						
	5120937	BELT SET (2 BELTS) (41.62" L. X .380" W.)				1								1		
	5133174	BELT SET (2 BELTS) (40" L.X.380" W.)													1	
		7.1580 - STRAP, GENERATOR ADJUSTING														
	5103467	STRAP	1													
	3351925	STRAP													1	
	5101370	STRAP		1	1			1	1		1	1				
	5102065	STRAP								1						
	5106562	STRAP				1										
	5103305	STRAP											1			1
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)	1		2			2	2	2	1	2				
	120741	BOLT, 5/16"-24X3/4" (12.9001)													1	
	186629	BOLT, 5/16"-18 X 1" (12.9001)				1										
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)											1			1
	179886	BOLT, 1/2"-13 X 1 5/8" (12.9001)	1													
	179839	BOLT, 3/8"-16X1" (12.9001)								1						
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)				1										
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)													1	
	5117082	WASHER, .53X1.16"	1	1				1	1	1	1	1				
	11500869	BOLT, M8X1.25X35MM (12.9001)											1			1
	5121403	WASHER, 21/64" X 1" X 3/16" (3.4080)			1	1							1			1
	103343	WASHER, 1/2" (12.9190)			1			1								
	120382	LOCKWASHER, 3/8" (12.9200)													1	
	120394	WASHER, 13/32"X13/16" (12.9190)													1	
	103321	LOCKWASHER, 3/8" (12.9200)								1						

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1990	1995	1996	1997	2014	2015	2027	2028	2032	2087	2088	2107	2108	2112
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)														
	103323	LOCKWASHER, 1/2" (12.9200)	2		2			2	2	1	2	2				
	11500191	LOCKWASHER, M8 (12.9200)											1			1
	120384	LOCKWASHER, 1/2" (12.9200)											1			1
	103320	LOCKWASHER, 5/16" (12.9200)				1										
	120214	LOCKWASHER, 5/16" (12.9200)													1	
	103026	NUT, 3/8"-24 (12.9120)													1	
	123221	NUT, 3/8"-16 (12.9120)								1						
	114493	NUT, 5/16"-24 (12.9120)													1	
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP														
	5137851	BRACKET								1						
	3351924	BRACKET													1	
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)								2						
	103341	WASHER, 3/8" (12.9190)								1						
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY														
	5103468	GUARD	1													
	5144929	GUARD			1			1								
	5126906	GUARD											1			1
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD														
	5103477	BRACKET	1													
	5103075	BRACKET (INBD. LWR.)											1			1
	5144930	BRACKET (INBD LWR)	1		1			1								
	5103076	BRACKET (OTBD. LWR.)											1			1
	5128536	BRACKET (OTBD. LWR.)	1		1			1								
	5144792	BRACKET (UPR.)			1			1								
	5123738	BRACKET (UPR.)											1			1
	5130179	SPACER, 3/4" X .40 X .18	1		1			1								
	120628	BOLT, 1/4" (12.9001)	3		3			3					3			
	186676	BOLT, 1/4"-20X5/8" (12.9001)											1			1
	179835	BOLT, 3/8"-16 X 5/8" (12.9001)	1													
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)	1		1			1					1			1
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)	1		1			1								
	103341	WASHER, 3/8" (12.9190)	2		2			2								
	120392	WASHER, 9/32" (12.9190)	3		3			3					1			1
	103343	WASHER, 1/2" (12.9190)											1			1
	103319	LOCKWASHER, 1/4" (12.9200)														1
	103321	LOCKWASHER, 3/8" (12.9200)	2		2			1					2			1
	5101265	NUT, 1/4"-20	3		3			3					3			3
	120628	SCREW, 1/4"-20X1/2" RD. HD.														3
		7.1588 - ADAPTOR, FLANGE MOUNTED ALTERNATOR														
	5148784	ADAPTOR					1									
	8925656	BOLT, 3/8"-16X2" W/SEAL PATCH (12.9001)					2									
	191637	BOLT, 3/8"-24X5 3/4" (12.9001)					3									
	186324	BOLT, 3/8"-24X6 1/2" (12.9001)					1									
	5131433	WASHER, .41"X.81"X.14" (1.5001)					6									
	103321	LOCKWASHER, 3/8" (12.9200)					6									

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1990	1995	1996	1997	2014	2015	2027	2028	2032	2087	2088	2107	2108	2112
		7.1589 - GASKET FLANGE MOUNTED ALTERNATOR ADAPTOR														
	5104507	GASKET (1.5060)					1									
		7.1595 - BRACKET, GENERATOR MOUNTING														
	5137450	BRACKET, R.R.												1	1	
	5135411	BRACKET, FRONT												1	1	
	5101371	BRACKET	1	1	1			1	1		1	1				
	3351921	BRACKET													1	
	5103197	BRACKET								1						
	5102005	BRACKET				1										
	8921742	BRACKET											1			1
	5124331	TUBE													1	
	5137947	BUSHING				1							1			1
	5145014	PLUG, 3/8" PIPE (12.9550)	1	1	1			1	1		1	1				
	186647	BOLT, 1/4"-20X1" (12.9001)													2	
	5104593	BOLT, 1/4"-20X1" W/SEAL PATCH								2						
	179839	BOLT, 3/8"-16X1" (12.9001)													4	
	5101377	BOLT, 3/8"-16X1" W/SEAL SPL.								2						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4	4	4			4	4		4	4	4			4
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)				3										
	179862	BOLT, 7/16"-14X1.50" (12.9001)													1	
	5104609	BOLT, 7/16"-14X1.50" W/SEAL PATCH								1						
	120392	WASHER, 9/32"X5/8" (12.9190)													2	
	120380	LOCKWASHER, 1/4" (12.9200)													2	
	103319	LOCKWASHER, 1/4" (12.9200)								2						
	120382	LOCKWASHER, 3/8" (12.9200)													4	
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	3		4	4	2	4	4	4			4
	120383	LOCKWASHER, 7/16" (12.9200)													1	
	103322	LOCKWASHER, 7/16" (12.9200)								1						
		7.1596 - SUPPORT, GENERATOR BRACKET														
	3351925	BRACKET												1		
	3352771	BRACKET, SUPPORT												1		
	5164294	SPACER, 7/8"-13/32"X1/8" (7.1581)												1		
	100014	BOLT, 5/16"-24X1" (12.9001)												1		
	100030	BOLT, 3/8"-24X2" (12.9001)												1		
	120394	WASHER, 13/32"X13/16" (12.9190)												1		
	5132147	WASHER, 13/32"X1.06"X.20" (3.4030)												2		
	120382	LOCKWASHER, 3/8" (12.9001)												1		
	120214	LOCKWASHER, 5/16" (12.9001)												1		
	103026	NUT, 3/8"-24 (12.9120)												1		
	180034	NUT, 5/16"-24 (12.9120)												1		
		7.1597 - GASKET, GENERATOR MOUNTING BRACKET														
	5122266	GASKET								1				1	1	
		7.1605 - REGULATOR, VOLTAGE														
	3354758	REGULATOR (440-24V)												1		

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1990	1995	1996	1997	2014	2015	2027	2028	2032	2087	2088	2107	2108	2112
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR														
	5100420	WIRE				1										
	106498	LOCKWASHER, #12 MED. (12.9200)				1										
	103089	NUT, 12-24 (12.9120)				1										

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2113	2119	2120	2125	2129	2132	2144	2152	2161	2173
		7.1001 - GENERATOR ASSY.										
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.										
	NPN	GENERATOR (CUSTOMER FURNISHED)				1						
	8923597	+ GENERATOR (14V., 75 AMP.) (LEECE-NEVILLE #A001090652)	1									
	1117248	* GENERATOR (24V., 50 AMP. A.C.) (CW/CCW)						1				
	1100077	* GENERATOR (24V., 65 AMP. AC.) (CW/CCW)		1								
	1105476	* GENERATOR (24V., 65 AMP. A.C.) (CW/CCW)							1	1	1	
	1117249	* GENERATOR (24V., 75 AMP. AC. (CW/CCW)			1		1					
	8922757	GENERATOR (28V., 65 AMP. AC)										1
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	3									3
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)		1	1		1	1	1	1	1	
	5131433	WASHER, SPECIAL (1.5001)	3									3
	5132715	WASHER, .53"X1"X12" (1.3140)		2	2		2	2	2	2	2	
	103321	LOCKWASHER, 3/8" (12.9200)	3									3
	103323	LOCKWASHER, 1/2" (12.9200)		1	1		1	1	1	1	1	
	102637	NUT, 1/2" (12.9120)		1	1		1	1	1	1	1	
		+ GENERATOR ASSEMBLY ONLY IS SERVICED. FOR COMPONENTS CONTACT LEECE-NEVILLE CO. USING THEIR ASSY. NUMBER SH 7.1290										
		7.1500 - PULLEY, GENERATOR										
1B	5148796	PULLEY (2.76" DIA., 2 GROOVE)		1			1			1	1	
	5100633	PULLEY (2.76" DIA., 2 GROOVE)			1							
	5104362	PULLEY (3.24" DIA., 2 GROOVE)				1						
	5143095	PULLEY (1.90" DIA. POLY-VEE)							1			
		7.1505 - PULLEY, GENERATOR DRIVE										
1C,F	5133091	PULLEY (5.00" DIA., 2 GROOVE)			1							
	5122267	PULLEY (5.00" DIA., 1 GROOVE)				1						
1B	5102246	PULLEY (6.25" DIA., 2 GROOVES)					1			1		
	8921942	PULLEY (4.74" DIA., POLY-VEE)							1			
	8926247	KEY, 1/4"X3/4" WOODRUFF (12.9350)					1			1		
	103904	KEY, 13/32"X1/2" WOODRUFF (12.9350)			1	1			1			
	179838	BOLT, 3/8"-16X7/8" (12.9001)			1	1			1			
	5150230	WASHER, 3/8"X1 3/16" (12.9001)			1	1			1			
	103321	LOCKWASHER, 3/8" (12.9200)			1	1			1			
	5177769	LOCKWASHER, 1 1/8" (1.7140)					1			1		
	5150087	NUT, 1 1/8"-18 (1.7140)					1			1		
		7.1510 - HUB, GENERATOR DRIVE PULLEY										
1E	5117920	SHAFT (1.7640)			1	1			1			
	181596	BOLT, 5/16"-24X7/8" (12.9001)			3	3			3			
	103320	LOCKWASHER, 5/16" (12.9200)			3	3			3			

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2113	2119	2120	2125	2129	2132	2144	2152	2161	2173
		7.1511 - 8922610										
	8922610	HUB	1									1
		7.1516 - SEAL, FLANGE MOUNTED ALTERNATOR DRIVE HUB										
	5139505	SEAL, OIL	1									1
	5177786	SEAL (2.8810)			1	1			1			
		7.1566 - COUPLING, FLANGE MOUNTED ALTERNATOR DRIVE										
	5139545	COUPLING (1.7635)	1									1
		7.1575 - BELT, GENERATOR DRIVE										
		ALL BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR POLY-VEE, ARE "PREMIUM" POLYESTER BELTS.										
	5132591	BELT SET, .380" W.X46" L. (2 BELTS)		1								
	5101500	BELT SET, .380" W. X 47" L. (2 BELTS)					1			1	1	
	5133176	BELT SET, .380" W.X38.00" L. (2 BELTS)		1								
	5133517	BELT, .500" W.X39.00" L.				1						
	5143319	BELT (36.00" L. 8 GROOVES) (POLY-VEE)							1			
		7.1580 - STRAP, GENERATOR ADJUSTING										
	5101370	STRAP		1			1			1	1	
	2647504	STRAP			1							
	5148407	STRAP				1		1	1			
	179839	BOLT, 3/8"-16X1" (12.9001)			1	1		1	1			
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)		2	2		2	2	2	2	2	
	5117082	WASHER, .53"X1.16" (3.4103)		1			1	1	1	1	1	
	103341	WASHER, 3/8" (12.9200)						1	1			
	103343	WASHER, 1/2" (12.9190)					1					
	103321	LOCKWASHER, 3/8" (12.9200)				1		1	1			
	103323	LOCKWASHER, 1/2" (12.9200)		2	1		2	1	1	2	2	
	103322	LOCKWASHER, 7/16" (12.9200)			1							
	123221	NUT, 3/8"-16 (12.9120)				1		1	1			
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP										
	5137851	BRACKET				1		1	1			
	191249	BOLT, 3/8"-16-3 3/4" (12.9001)				2		2	2			
	103341	WASHER, 3/8" (12.9190)				1						
	103321	LOCKWASHER, 3/8" (12.9200)						2	2			
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY										
	5144929	GUARD		1			1					
	120628	BOLT, 1/4"-20X1/2" (12.9001)		3			3					
	120392	WASHER, 1/4" (12.9190)		3			3					
	5101265	NUT, 1/4"-20 RETAINER		3			3					

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2113	2119	2120	2125	2129	2132	2144	2152	2161	2173
		7.1586 - GUARD, FLANGE MOUNTED ALTERNATOR FAN										
	5107409	GUARD	1									1
	5106162	GASKET										1
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD										
	5144792	BRACKET		1			1					
	5144930	BRACKET		1			1					
	5128536	BRACKET		1			1					
	2647505	BRACKET			1							
	5106162	GASKET (GUARD TO ADAPTOR) (7.1586)	1									
	5148817	SCREEN (7.1586)	1									
	5130179	SPACER, 3/4" (12.5023)		1			1					
	117277	SCREW, #10-24X2 1/4" FIL. HD. (12.9010)	1									
	5104593	BOLT, 1/4"-20X1.00" W/SEAL PATCH			2							
	5101377	BOLT, 3/8"-16X1" W/SEAL SPL			2							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1			1					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		1			1					
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)			2							
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	3									
	5104609	BOLT, 7/16"-14X1.50" W/SEAL PATCH (12.9001)			1							
	103341	WASHER, 3/8" (12.9190)		2	1		2					
	5117082	WASHER, .53"X1.16"			1							
	5131433	WASHER (1.5001)	6									
	103319	LOCKWASHER, 1/4" (12.9200)			2							
	103321	LOCKWASHER, 3/8" (12.9200)	6	2	3		1					
	106497	LOCKWASHER, #10 (12.9200)	1									
	120361	NUT, #10-24 (12.9120)	1									
		7.1588 - ADAPTOR, FLANGE MOUNTED ALTERNATOR										
	5148784	ADAPTOR	1									1
	5100741	STUD, 3/8"-16-24X2.24"	2									
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	2									
	8925656	BOLT, 3/8"-16X2" (12.9001)										2
	191637	BOLT, 3/8"-24X5 3/4" (12.9001)	3									3
	192882	BOLT, 3/8"-24X6 1/4" (12.9001)	1									1
	5131433	WASHER (1.5001)	6									6
	103321	LOCKWASHER, 3/8" (12.9200)	6									6
	117049	NUT, 3/8"-24 (12.9120)	3									
		7.1589 - GASKET, FLANGE MOUNTED ALTERNATOR ADAPTOR										
	5104507	GASKET	1									1
	5122266	GASKET			1							
		7.1595 - BRACKET, GENERATOR MOUNTING										
	5101371	BRACKET		1			1			1	1	
	5103197	BRACKET			1	1		1	1			
	8924517	PLUG, 3/8"-18 VIBRA SEAL (12.9550)		1			1			1	1	
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)		2								
	8927270	STUD, 3/8"-16-24X1.62" (12.9117)								2		
	5104593	BOLT, 1/4"-20X1.00" W/SEAL PATCH				2		2	2			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2			4			2	4	

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7.1000A BATTERY, CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 2113	2119	2120	2125	2129	2132	2144	2152	2161	2173
	7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)										
5101377	BOLT, 3/8"-16X1" W/SEAL PATCH (5.2020)				2		2	2			
5104609	BOLT, 7/16"-14X1.50" W/SEAL PATCH				1		1	1			
103319	LOCKWASHER, 1/4" (12.9200)				2		2	2			
103321	LOCKWASHER, 3/8" (12.9200)		4	2	2	4	2	2	4	4	
103322	LOCKWASHER, 7/16" (12.9200)				1		1	1			
117049	NUT, 3/8" (12.9120)		2						2		
123221	NUT, 3/8" (12.9120)			1							
	7.1597 - GASKET, GENERATOR MOUNTING BRACKET										
5122266	GASKET				1		1	1			

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7.2000A BATTERY CABLES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8
		7.2001 - BATTERY ASSY.	
	1890345 &	BATTERY, 12V.	2
	5185272 @	ACID, BATTERY	2
		& OBSOLETE.	
		@ NOT SERVICED.	
		7.2010 - CABLE, BATTERY POSITIVE	
	5120507	CABLE	1
		7.2020 - CABLE, BATTERY NEGATIVE	
	5120505	CABLE	1
		7.2030 - CABLE, BATTERY JUMPER	
	5120506 #	CABLE	1
		# REQUIRED FOR SERIES CONNECTION.	
		7.2130 - CLIP, BATTERY CABLE	
	3290076	CLIP (5/8" CABLE, 3/8" BOLT) (4.8040)	4
	122017	BOLT, 5/16"-18X1" (12.9001)	2
	120214	LOCKWASHER, 5/16" (12.9200)	2
	120376	NUT, 5/16"-18 HEX. (12.9120)	2

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7.2000B AUTOMATIC STARTING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 40	42	43	56	58	60	61	65	66
		7.2201 - CABINET ASSY., AUTOMATIC STARTING									
		A CABINET ASSY. INCLUDES ITEMS IN 7.2201 THROUGH 7.2355.									
	NPN	CABINET ASSY. (CUSTOMER FURNISHED)	1		1					1	
	5140686 @	CABINET ASSY. (24V.)							1		
	5178183 @	CABINET ASSY. (24V.)		1							
	5151189	CLIP (WIRE TO CABINET ENCLOSURE) (4.8040)		2					2		
	454894	BOLT, 1/4"-20X3/4" (12.9001)		2					2		
	120392	WASHER, 1/4" FLAT (12.9190)		2					2		
	120380	LOCKWASHER, 1/4" (12.9200)		2					2		
	120375	NUT, 1/4"-20 HEX. (12.9120)		2					2		
		@ NO LONGER AVAILABLE FOR SERVICE; PROCURE FROM LAKESHORE ELECTRIC CO.									
		7.2203 - ENCLOSURE ASSY., AUTOMATIC STARTING CABINET									
		AN ENCLOSURE ASSY. INCLUDES ITEMS IN 7.2212, 7.2350 AND 7.2355.									
2A	5178186	ENCLOSURE ASSY.		1					1		
		7.2207 - PANEL, AUTOMATIC STARTING CABINET									
2A	5178172	PANEL		1					1		
	181309	BOLT, 1/4"-28X1/2" (12.9001)		4					4		
	120380	LOCKWASHER, 1/4" (12.9200)		4					4		
		7.2212 - PLATE, AUTOMATIC STARTING CABINET NAME									
	5178203	PLATE		1					1		
	116555	SCREW, #4-24X3/8" SELF TAPPING (12.9065)		4					4		
		7.2225 - SOLENOID, AUTOMATIC STARTING									
2A	5181687	SOLENOID (24V.)		1					1		
	131970	SCREW, #8-32X1/2" FIL. HD. (12.9010)		4					4		
	103092	NUT, #8-32 HEX. (12.9120)		4					4		
		7.2245 - BRACKET, AUTOMATIC STARTING SOLENOID									
	5181685	BRACKET (4 MOUNTING HOLES)		1					1		
	186676	BOLT, 1/4"-20X5/8" (12.9001)		4					4		
	120380	LOCKWASHER, 1/4" (12.9200)		AR					AR		

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7.2000B AUTOMATIC STARTING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 40	42	43	56	58	60	61	65	66
		7.2245 - BRACKET, AUTOMATIC STARTING SOLENOID(CONT'D)									
	120375	NUT, 1/4"-20 HEX. (12.9120)		AR					AR		
		7.2250 - ROD, AUTOMATIC STARTING SOLENOID									
2A	5178131	ROD		1					1		
	107761	PIN, 1/16"X5/8" COTTER (12.9250)		2					2		
	117866	PIN, 1/8"X9/16" DOWEL (12.9290)		2					2		
		7.2252 - SPRING, AUTOMATIC STARTING SOLENOID ROD									
	3224413	SPRING (2.9147)		1					1		
		7.2255 - LINK, AUTOMATIC STARTING SOLENOID ROD									
	5178137	LINK		1					1		
	103361	PIN, 1/16"X1/2" COTTER (12.9250)		1					1		
	114782	PIN, 3/16" CLEVIS (12.9260)		1					1		
		7.2260 - BRACKET, AUTOMATIC STARTING GEAR AND CAM									
	5178171	BRACKET		1					1		
		7.2262 - SHAFT, AUTOMATIC STARTING GEAR AND CAM									
	5178133	SHAFT		1					1		
		7.2265 - CAM, AUTOMATIC STARTING									
2A	5178165	CAM		1					1		
	140869	SCREW, #10-24X5/16" SET (12.9076)		1					1		
		7.2267 - SPRING, AUTOMATIC STARTING RETURN									
	5178135	SPRING		1					1		
		7.2270 - GEAR, AUTOMATIC STARTING DRIVEN									
2	5178166	GEAR		1					1		
	443903	PIN, 1/8"X9/16" GROOVE (12.9270)		1					1		

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7.2000B AUTOMATIC STARTING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 40	42	43	56	58	60	61	65	66
		7.2273 - SUPPORT, AUTOMATIC STARTING GEAR AND CAM BRACKET									
	5178157	SUPPORT		2					2		
	120687	SCREW, #10-24X1/2" FIL. HD. (12.9010)		4					4		
	120217	LOCKWASHER, #10 (12.9200)		4					4		
	110633	NUT, #10-24 HEX. (12.9120)		4					4		
		7.2275 - SHAFT, AUTOMATIC STARTING MOUNTING									
	5178132	SHAFT		1					1		
	142583	SPRING, 13/64" (RETAINER) (12.9640)		2					2		
		7.2280 - SWITCH, AUTOMATIC STARTING LIMIT									
2A	5178159	SWITCH		1					1		
	100744	SCREW, #6-32X1 1/4" FIL. HD. (12.9010)		2					2		
	118872	LOCKWASHER, #6 (12.9200)		2					2		
	134530	NUT, #6-32 HEX. (12.9120)		2					2		
		7.2283 - BRACKET, AUTOMATIC STARTING LIMIT SWITCH									
2A	5178138	BRACKET		1					1		
	120687	SCREW, #10-24X1/2" FIL. HD. (12.9010)		2					2		
	120217	LOCKWASHER, #10 (12.9200)		2					2		
	110633	NUT, #10-24 HEX. (12.9120)		2					2		
		7.2285 - STOP, AUTOMATIC STARTING CAM									
	5178136	STOP		1					1		
		7.2287 - SPRING, AUTOMATIC STARTING CONTACT									
	5178153	SPRING (SOLENOID SIDE)		1					1		
	100716	SCREW, #8-32X1" FIL. HD. (12.9010)		2					2		
	106496	LOCKWASHER, #8 (12.9200)		2					2		
	103092	NUT, #8-32 HEX. (12.9120)		2					2		
		7.2290 - FOLLOWER ASSY., AUTOMATIC STARTING CONTACT SPRING & CAM									
	5178178	FOLLOWER ASSY.		1					1		
	131979	SCREW, #8-32X3/4" FIL. HD. (12.9010)		2					2		
	106496	LOCKWASHER, #8 (12.9200)		2					2		

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7.2000B AUTOMATIC STARTING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 40	42	43	56	58	60	61	65	66
		7.2290 - FOLLOWER ASSY., AUTOMATIC STARTING CONTACT SPRING & CAM (CONT'D)									
	103092	NUT, #8-32 HEX. (12.9120)		2					2		
		7.2292 - CONTACT, AUTOMATIC STARTING									
2A	5178164	CONTACT		2					2		
	120392	WASHER, 1/4" FLAT (12.9190)		2					2		
	120380	LOCKWASHER, 1/4" (12.9200)		2					2		
	121902	NUT, 1/4"-28 HEX. (12.9120)		2					2		
		7.2295 - BASE, AUTOMATIC STARTING CONTACT SPRING									
2A	5178167	BASE		1					1		
	132768	SCREW, #8-32X3/4" RD. HD. SL. (12.9025)		4					4		
	106496	LOCKWASHER, #8 (12.9200)		4					4		
	103092	NUT, #8-32 HEX. (12.9120)		4					4		
		7.2300 - MOTOR, AUTOMATIC STARTING									
2A	5178151	MOTOR (24V.)		1					1		
	186676	BOLT, 1/4"-20X5/8" (12.9001)		4					4		
	120380	LOCKWASHER, 1/4" (12.9200)		4					4		
	123179	NUT, 1/4"-20 HEX. (12.9120)		4					4		
		7.2325 - GEAR, AUTOMATIC STARTING DRIVE									
2A	5178134	GEAR		1					1		
		7.2330 - RELAY, AUTOMATIC STARTING									
2A	5178149	RELAY (24V.) (OVERSPEED, WATER TEMPERATURE, LOW OIL PRESSURE)		3					3		
2A	5181690	RELAY (24V.) (TIMER)		1					1		
2A	5178144	RELAY (24V.) (AUXILIARY)		1					1		
	01481	RELAY (24V.) (TIME DELAY)				1	1		1	1	
	5182545	* RELAY (24V.) (8921717)							1		
	131970	SCREW, #8-32X1/2" FIL. HD. (12.9010)		10					10		
	436703	SCREW, #8-32X2" FIL. HD. SL. (12.9010)				2					
	454894	BOLT, 1/4"-20X3/4" (12.9001)					2				
	446120	WASHER, 5/32" FLAT (12.9190)				2					
	120380	LOCKWASHER, 1/4" (12.9200)					2				

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 40	42	43	56	58	60	61	65	66
		7.2330 - RELAY, AUTOMATIC STARTING (CONT'D)									
	121841	LOCKWASHER, #8 (12.9200)				2					
	106496	LOCKWASHER, #8 (12.9200)		10					10		
	123179	NUT, 1/4"-20 HEX. (12.9120)					2				
	120622	*NUT, #8-32 (12.9120)*				2					
	103092	NUT, #8-32 HEX. (12.9120)		10					10		
		* NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.									
		7.2340 - BLOCK, CONTROL TERMINAL									
	5171112	* BLOCK, TERMINAL	1	1	1	1	1		1		
2A	3292302	@ BLOCK (8 WIRE)		2					2		
	100747	SCREW, #8-32X1 1/4" FIL. HD. (12.9010)		4					4		
	100766	* SCREW, #10-32X3/4" RD. HD. (12.9025)		2	2		2		2		
	100765	SCREW, #10-32X5/8" RD. HD. (12.9025)	2			2					
	5166891	* BUSHING (11.1035)		1	1		1		1		
	5139599	* BRACKET				1					
	5139591	* BRACKET (TERMINAL MOUNTING)				1					
	5139754	BRACKET (TERMINAL MOUNTING)						1			1
	5175705	SPACER, 13/32"X7/8"X1"						4			4
	5183175	BOX ASSY., JUNCTION						1			1
	123435	BOLT, 1/4"-28X5/8" (12.9001)				2					
	100001	BOLT, 1/4"-28X3/4" (12.9001)						8			8
	180120	BOLT, 3/8"-16X3/4" (12.9001)				2					
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)						4			4
	120380	LOCKWASHER, 1/4" (12.9200)				2		8			8
	103321	LOCKWASHER, 3/8" (12.9200)				2		4			4
	106496	LOCKWASHER, #8 (12.9200)		4					4		
	120217	* LOCKWASHER, #10 (12.9200)	2	2	2	2	2		2		
	103092	NUT, #8-32 HEX. (12.9120)		4					4		
	120614	* NUT, #10-32 HEX. (12.9120)	2	2	2	2	2		2		
	5169559	* NUT (11.1035)		1	1		1		1		
	121902	NUT, 1/4"-28 HEX. (12.9120)				2		8			8
		* NOT PART OF CABINET OR ENCLOSURE ASSY.									
		@ OBSOLETE.									
		7.2350 - SWITCH, AUTOMATIC STARTING SELECTOR									
2A	5178119	SWITCH		1					1		
	5179272	SPACER (TO CABINET COVER)		4					4		
	110535	SCREW, #10-24X1" FIL. HD. SL. (12.9030)		4					4		
	120392	WASHER, 1/4" FLAT (12.9190)		4					4		

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7.2000B AUTOMATIC STARTING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 40	42	43	56	58	60	61	65	66
		7.2355 - LIGHT, AUTOMATIC STARTING PILOT									
2A	5178140	LIGHT (24V.) (INCLUDES BULB)		4					4		
	190878	BULB, 3 C.P. LAMP (24-28V.) (12.9520)		4							
		7.2440 - SWITCH, STARTING MOTOR SOLENOID OR THROTTLE									
	5173012	CONTACTOR (24V.) (4.2440)						2			2
	123450	BOLT, 1/4"-28X3/4" (12.9001)						4			4
	120380	LOCKWASHER, 1/4" (12.9200)						4			4
	121902	NUT, 1/4"-28 HEX. (12.9120)						4			4
		7.2450 - CABLE, STARTING MOTOR SOLENOID SWITCH									
	5144653	CABLE (7.3245)									1
	5144653	CABLE (7.3245)									1
	5169748	CABLE (7.2040)						1			1
	5144651	STRAP, GROUND (7.3245)						1			1
	5183217	CONNECTOR, 90 DEG. SQUEEZE (7.7025)						1			1

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7.3000A STARTING MOTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15	17	18	19	22	34	35	40	80	176	179	183	184
		7.3001 - MOTOR ASSY., STARTING													
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC *DELCO*.													
10B	1114078	* MOTOR ASSY. (12V., INSL., C.W., SPRAG)	1												
10B	1114080	* MOTOR ASSY. (12V., INSL., C.C.W., SPRAG)		1	1										
10B	1114082	* MOTOR ASSY. (12V., GRD., C.W., SPRAG)								1					
10B	1114084	* MOTOR ASSY. (12V., GRD., C.W., SPRAG)									1				
10B	1114085	* MOTOR ASSY. (12V., GRD., C.W., DYER)											1		
10B	1113856	* MOTOR ASSY. (24V., INSL., C.C.W., SPRAG)						1							
10B	1113905	* MOTOR ASSY. (24V., INSL., C.W., SPRAG)							1						
10B	1113938	* MOTOR ASSY. (24V., GRD., C.W., SPRAG)										1			
10B	1113908	* MOTOR ASSY. (32V., INSL., C.W., SPRAG)				1									
10B	1114794	* MOTOR ASSY. (32V., INSL., C.C.W., SPRAG)					1								
10B	1109963	* MOTOR ASSY. (32V., INSL., C.W., SPRAG)												1	
10B	1109964	* MOTOR ASSY. (32V., INSL., C.C.W., SPRAG)													1
	9418228	BOLT, 5/8"-11X1 3/4" (12 PT.) (12.9005)	2	1	1	1	1	1	1	1	1	1	1	1	3
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)	1	2	2	2	2	2	2	2	2	2	2	2	2
	103325	LOCKWASHER, 5/8" (12.9200)	3	3	3	3	3	3	3	3	3	3	3	3	3
	103030	NUT, 5/8"-18 HEX. (12.9120)	3												
		7.3004 - GASKET, STARTING MOTOR													
	5130995	GASKET (W/WET FLYWHEEL HOUSING)	1	1	1	1	1	1	1	1	1		1	1	1

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7.3000A STARTING MOTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 186	189	194	199	200	203	208	209	215	216	217	219
	7.3001 - MOTOR ASSY., STARTING													
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.												
10B	**1114078**	* MOTOR ASSY. (12V., INSL., C.W., SPRAG)											1	
10B	**1114128**	* MOTOR ASSY. (12V., INSL., C.W., SPRAG)					1							1
10B	**1114161**	* MOTOR ASSY. (12V., INSL., C.W., SPRAG)								1				
10B	**1114085**	* MOTOR ASSY. (12V., GRD., C.W., SPRAG)									1			
10B	**1109979**	* MOTOR ASSY. (24V., INSL., C.W., SPRAG)	1											
10B	**1109962**	* MOTOR ASSY. (24V., INSL., C.C.W., SPRAG)		1										
10B	**1109966**	* MOTOR ASSY. (24V., INSL., C.W., SPRAG)			1									
10B	**1113846**	* MOTOR ASSY. (24V., INSL., C.W., SPRAG)				1								
10B	**1113854**	* MOTOR ASSY. (24V., INSL., C.W., SPRAG)						1						
10B	**1113847**	* MOTOR ASSY. (24V., INSL., C.W., SPRAG)							1					
10B	**1113824**	* MOTOR ASSY. (24V., INSL., C.W., SPRAG)										1		
	9418228	BOLT, 5/8"-11X1 3/4" (12 PT.) (12.9005)	3	1	1	1	1	1	3	1	1	1	1	1
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)	2	2	2	2	2	2		2	2	2	2	2
	7.3004 - GASKET, STARTING MOTOR													
	5130995	GASKET (W/WET FLYWHEEL HOUSING)	1	1	1	1	1	1	1	1	1	1	1	1
	7.3242 - STRAP, STARTING MOTOR GROUND													
	5188133	STRAP (7.7110)							1					
	121804	BOLT, 1/4"-20X7/8" (12.9001)							1					
	174916	LOCKWASHER, 1/4" (12.9215)							1					

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7.3000A STARTING MOTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 220	224	233	235	240	244	246	252	258	261	262	263
		7.3001 - MOTOR ASSY., STARTING												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.												
	1114059	* MOTOR ASSY. (12V., INSL., C.C.W., SPRAG)		1										
10B	**1114056**	* MOTOR ASSY. (12V., INSL., C.W., SPRAG)			1									
10B	**1113905**	* MOTOR ASSY. (24V., INSL., C.W., SPRAG)	1											
10B	**1113847**	* MOTOR ASSY. (24V., C.W., SPRAG)				1		1						
10B	**1109979**	* MOTOR ASSY. (24V., C.W., SPRAG)							1					
10B	**1113846**	* MOTOR ASSY. (24V., INSL., C.W., SPRAG)								1				
10B	**00877**	* MOTOR ASSY. (24V., INSL., C.W., BENDIX)									1		1	
10B	**1109972**	* MOTOR ASSY. (24V., C.W., SPRAG)												1
10B	**1109963**	* MOTOR ASSY. (32V., C.W., SPRAG)					1							
	271557	BOLT, 5/8"-11X1 3/8" (12.9001)									3	3	3	
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)	2		2	2	2	2	2					
	9418228	BOLT, 5/8"-11X1 3/4" (12.9005)	1	3	1	1	1	1	1	3				3
	103325	LOCKWASHER, 5/8" (12.9200)	3	3	3	3	3	3	3	3	3	3	3	3
		7.3004 - GASKET, STARTING MOTOR												
	5130995	GASKET (W/WET FLYWHEEL HOUSING)	1	1	1	1	1	1	1					1
		7.3120 - BRUSH, STARTING MOTOR												
	5197023	KIT, BRUSH AND SPRING REPLACEMENT				AR								
		7.3242 - STRAP, STARTING MOTOR GROUND												
	5156268	STRAP (7.2040)				1	1							1
	5157051	LUG					2							
	180120	BOLT, 3/8"-16X3/4" (12.9001)				1								1
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)					1							
	178551	LOCKWASHER, 3/8" INT., EXT. (12.9200)				2	2							2
	178591	LOCKWASHER, 1/2" INT., EXT. TOOTH (12.9215)				1								1

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7.3000A STARTING MOTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 220	224	233	235	240	244	246	252	258	261	262	263
		7.3245 - CABLE, STARTING MOTOR SOLENOID SWITCH												
	5186823	CABLE ASSY. (20"L.)										1	1	
		7.3255 - SWITCH, STARTING MOTOR SOLENOID												
	1119870 *	SWITCH (24V.)										1	1	
	123435	BOLT, 1/4"-28X5/8" (12.9001)										4	4	
	120392 *	WASHER, 9/32"X5/8" (12.9180)										4	4	
	120380	LOCKWASHER, 1/4" (12.9200)										4	4	
	114492	NUT, 1/4"-28 (12.9120)										4	4	
		7.3257 - BRACKET, STARTING MOTOR SWITCH												
	5131933	BRACKET										1	1	
	180121	BOLT, 3/8"-16X7/8" (12.9001)										2	2	
	103321	LOCKWASHER, 3/8" (12.9200)										2	2	

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7.3000A STARTING MOTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 271	277	278	279	280	284	286	287
		7.3001 - MOTOR ASSY., STARTING								
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT IN THIS SECTION SO INDICATED (*) IS HANDLED THRU AC DELCO.								
10B	**1113905**	* MOTOR ASSY. (24V., INSL., C.W., SPRAG)		1			1			
10B	**00877**	* MOTOR ASSY. (24V., INSL., C.W., BENDIX)						1		
	1113938	* MOTOR ASSY. (24V., INSL., C.W., SPRAG)	1							
10B	**1113905**	* MOTOR ASSY. (24V., INSL., C.W., SPRAG)		1	1					
10B	**1113907**	* MOTOR ASSY. (24V., INSL., C.C.W., SPRAG)			1	1				
10B	**1109962**	* MOTOR ASSY. (24V., INSL., C.C.W., SPRAG)						1	1	
10B	**1109979**	* MOTOR ASSY. (24V., INSL., C.W., SPRAG)							1	1
	271557	BOLT, 5/8"-11X1 3/8" (12.9001)					3	3		
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)	2	2	2	2	2		2	2
	9418228	BOLT, 5/8"-11X1 3/4" (12.9005)	1	1	1	1	1		1	1
	103325	LOCKWASHER, 5/8" (12.9200)	3	3	3	3	3	3	3	3
		7.3004 - GASKET, STARTING MOTOR								
	5130995	GASKET (W/WET FLYWHEEL HOUSING)	1		1	1			1	1
		7.3007 - BRACKET, STARTING MOTOR SUPPORT								
	5140461	@ BRACKET				1	1			
	5144012	BRACKET						1	1	1
	180120	BOLT, 3/8"-16X3/4" (12.9001)					2			
	180121	BOLT, 3/8"-16X7/8" (12.9001)						2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)					2	2	2	2
		@ NO LONGER AVAILABLE FOR SERVICE.								
		7.3245 - CABLE, STARTING MOTOR SOLENOID SWITCH								
	5186823	CABLE ASSY. (20"L.)						1		

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7.3000A STARTING MOTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 271	277	278	279	280	284	286	287
		7.3255 - SWITCH, STARTING MOTOR SOLENOID								
	1119870 *	SWITCH (24V.)						1		
	1119828 *	SWITCH (12V.)		1						
	123435	BOLT, 1/4"-28X5/8" (12.9001)		2				4		
	120392	WASHER, 9/32"X5/8" (12.9180)						4		
	120380	LOCKWASHER, 1/4" (12.9200)		2				4		
	114492	NUT, 1/4"-28 (12.9120)						4		
	121902	NUT, 1/4"-28 (12.9120)		2						
		7.3257 - BRACKET, STARTING MOTOR SWITCH								
	5131933	BRACKET						1		
	5139599	BRACKET		1						
	180121	BOLT, 3/8"-16X7/8" (12.9001)						2		
	179839	BOLT, 3/8"-16X1" (12.9001)		2						
	103321	LOCKWASHER, 3/8" (12.9200)		2				2		

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12	21	24	30	33	42	48	97	102	124	126	215
		7.4005 - PANEL, INSTRUMENT												
		A PANEL ASSY. INCLUDES PANEL IN 7.4005 AND ITEMS IN 7.4015 THROUGH 7.4135, EXCEPT ITEMS IN 7.4115. A CLUSTER ASSY. INCLUDES CLUSTER PANEL IN 7.4005 AND ITEMS IN 7.4015, 7.4020, 7.4070, 7.4072, 7.4080 AND 7.4082.												
	5135289	PANEL							1					
	1583552	PANEL (DUAL)												1
	6405710 *	PANEL ASSY.												1
	5182986 *	PANEL ASSY.							1					
4D,E	1582505 *	CLUSTER ASSY.								1	1			
4E	1582504 *	CLUSTER ASSY.										1	1	
4D,E	1582507	PANEL, CLUSTER (INCLUDES MOUNTING IN 7.4010)							1	1	1	1	1	
	142079	PLUG, 5/8" BUTTON (12.9340)								1				
	131979	SCREW, #8-32X3/4" FIL. HD. (12.9010)								3				
	123435	BOLT, 1/4"-28X5/8" (12.9001)							4					
	106496	LOCKWASHER, #8 (12.9200)							AR			AR	AR	
	103319	LOCKWASHER, 1/4" (12.9200)							4					
	103092	NUT, #8-32 HEX. (12.9120)							3			3	3	
	121902	NUT, 1/4"-28 HEX. (12.9120)							4					
		* NOT SERVICED; USE COMPONENTS.												
		7.4006 - HOUSING, INSTRUMENT PANEL (SUPPORT)												
	5171193	SUPPORT							1					
	180120	BOLT, 3/8"-16X3/4" (12.9001)							4					
	178551	LOCKWASHER, 3/8" INT., EXT. TOOTH (12.9215)							4					
		7.4010 - MOUNTING, ANTI-VIBRATION												
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)							3	6	6	6	6	
		7.4015 - AMMETER, BATTERY CHARGING												
4G	6474062	AMMETER (60 AMP.)		1	1			1	1	1	1			2
	1568354	MEDALLION ASSY. (7.4090)						1	1	1	1			
4A,F	120217	LOCKWASHER, #10 (12.9200)		AR	AR			AR	AR	AR	AR			AR
4A,F	120614	NUT, #10-32 HEX. (12.9120)		AR	AR			AR	AR	AR	AR			AR
		7.4020 - CLAMP, AMMETER												
	6460429 *	CLAMP		1	1			1	1		1			2
		* NOT SERVICED; CUSTOMER TO FABRICATE.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12	21	24	30	33	42	48	97	102	124	126	215
		7.4060 - TACHOMETER												
4G	1536866	@ TACHOMETER (C.C.W.ROT. 2500 RPM)	1			1			1					
4G	1536865	# TACHOMETER (C.W. ROT. 2500 RPM) (5658115)					1							
	5123768	& # TACHOMETER & ADAPTOR ASSY. (L.H.) (5147832)				1								
	5123769	& # TACHOMETER & ADAPTOR ASSY. (R.H.) (5147382)					1							
	5150946	WASHER (2.7175)					2							
	120385	WASHER, #10 (12.9190)				AR	AR		AR					
	120217	LOCKWASHER, #10 (12.9200)	AR			AR	AR		AR					AR
	120614	NUT, #10-32 HEX. (12.9120)	AR			AR	AR		AR					AR
		@ NOT SERVICED; USE 5657287 PLUS (1) 6479007 RED. BUSHING KIT.												
		# NOT SERVICED; USE NUMBER IN *PARENTHESES PLUS (1) 6479007* RED. BUSHING KIT.												
		& INCLUDES ITEMS IN 7.4060, ADAPTOR IN 7.4061, 7.4063 PLUS 1536033 SHAFT ASSY. IN 7.4405.												
		7.4061 - ADAPTOR, TACHOMETER MOUNTING												
4G	5123740	ADAPTOR				1	1		1					
	122408	BOLT, 1/2"-13X1" (12.9001)				4	4		4					
	179857	BOLT, 7/16"-14X7/8" (12.9001)				1	1							
	103322	LOCKWASHER, 7/16" (12.9200)				1	1							
	103323	LOCKWASHER, 1/2" (12.9200)				4	4							
		7.4063 - RETAINER, TACHOMETER												
		A RETAINER ASSY. INCLUDES MOUNTING ASSY. IN 7.4064.												
4G	5186851	+ RETAINER ASSY. (5148776)				1	1		1					
	436537	SCREW, #8-32X7/8" PAN HD.				3	3		3					
	103341	WASHER, 3/8" FLAT (12.9190)				3	3							
	106496	LOCKWASHER, #8 (12.9200)				3	3		3					
	103092	*NUT, #8-32 HEX. HD. (12.9120)*				3	3		3					
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		7.4064 - MOUNTING, TACHOMETER												
4G	5193754	MOUNTING ASSY. (ANTI-VIBRATION)				3	3		3					
		7.4065 - CLAMP, TACHOMETER												
4F	1535062	CLAMP	1											2

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12	21	24	30	33	42	48	97	102	124	126	215
		7.4070 - GAGE, OIL PRESSURE (ENGINE)												
4G,E	1508352	GAGE (80#)		1	1			1	1	1				
4G,E	1508354	GAGE (80#) (LIGHTED)												2
4F	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)		1	1			1	1					
4F	120217	LOCKWASHER, #10 (12.9200)		AR	AR			AR	AR	AR	AR			AR
4F	120614	NUT, #10-32 HEX. (12.9120)		AR	AR			AR	AR	AR	AR			AR
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
4G,E	1508353	GAGE (200#) (7.4070)										1	1	
4G	5652502	GAGE (300#)												2
4F	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)										1	1	
4E	120217	LOCKWASHER, #10 (12.9200)										AR	AR	AR
4F	120614	NUT, #10-32 HEX. (12.9120)										AR	AR	AR
		7.4072 - CLAMP, OIL PRESSURE GAGE												
4A,F	1505244 *	CLAMP		2	2			2	2	2	2	2	2	4
		* NOT SERVICED; CUSTOMER FABRICATE.												
		7.4074 - HOSE, OIL PRESSURE GAGE												
	5171307	TUBE (DEV. L. 11 3/8")							1					
	225810	ELBOW, 1/4" INV. FL. TUBE (12.9480)							1					
		7.4077 - GAGE, OIL TEMPERATURE												
4G,E	6490568	GAGE (3' CAPILLARY)										1		
4G,E	6490571	GAGE (15' CAPILLARY)											1	
	120217	LOCKWASHER, #10 (12.9200)										AR	AR	
	120614	NUT, #10-32 HEX. (12.9120)										AR	AR	
		7.4078 - CLAMP, OIL TEMPERATURE GAGE												
	1505244 *	CLAMP (7.4072)										1	1	
		* NOT SERVICED CUSTOMER TO FABRICATE												
		7.4080 - GAGE, WATER TEMPERATURE												
		A GAGE INCLUDES ADAPTOR IN 7.4084.												
4G,E	6490563	GAGE (6' CAPILLARY)							1	1				
	6490557	GAGE (15' CAPILLARY)								1				2
4G,E	6490561	GAGE (25" CAPILLARY)		1							1			

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12	21	24	30	33	42	48	97	102	124	126	215
		7.4080 - GAGE, WATER TEMPERATURE (CONT'D)												
4A,F	120217	LOCKWASHER, #10 (12.9200)		AR	AR			AR	AR	AR	AR			AR
4A,F	120614	NUT, #10-32 HEX. (12.9120)		AR	AR			AR	AR	AR	AR			AR
		7.4082 - CLAMP, WATER TEMPERATURE GAGE												
4A	1505244	CLAMP (7.4072)		1	1			1	1	1	1			2
	5161896	CLIP, 3/16" (7.8320)								AR	AR			
	5114551	TAG, CABLE (7.4545)		AR	AR			AR		AR	AR			
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
4A	859151	* ADAPTOR		1	1			1	1	1	1			2
		* OBSOLETE												
		7.4099 - MEDALLION, INSTRUMENT PANEL												
4E	1566992	MEDALLION										1	1	
	5175547	BRACKET (7.4020)										1	1	
	120614	NUT, #10-32 HEX. (12.9120)										1	1	
		7.4100 - LAMP, INSTRUMENT PANEL												
	6459359	CABLE ASSY., LAMP BULB (SINGLE SOCKET)												5
	127934	BULB, 12-16V., LAMP (12.9520)												5
		7.4115 - SWITCH, ENGINE STARTING												
4A,D,G	1996097	* SWITCH (2 POST)		1	1			1	1	1	1			2
4A,D	1567238	PLATE, NAME							AR	AR	AR			AR
		* PROCURE FROM AC DELCO.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 220	226	229	257	269	322	389	392	401	402	403	413
	7.4005 - PANEL, INSTRUMENT													
		A PANEL ASSY. INCLUDES PANEL IN 7.4005 AND ITEMS IN 7.4015 THROUGH 7.4135, EXCEPT ITEMS IN 7.4115. A CLUSTER ASSY. INCLUDES CLUSTER PANEL IN 7.4005 AND ITEMS IN 7.4015, 7.4020, 7.4070, 7.4072, 7.4080 AND 7.4082.												
	1583552	PANEL (DUAL)		1			1							
4F	6497188	PANEL	2		2	2								
#	5111793	PANEL							1	1				
#	5111792	PANEL									1			
#	5111537	PANEL										1		
#	5111538	PANEL											1	
	6405709 *	PANEL ASSY.	1		1									
	6405710 *	PANEL ASSY.		1										
	6497195	PANEL ASSY. (ELECTRIC)				1								
	6405712 *	PANEL ASSY. (DUAL ELECTRICAL)					1							
4D,E	1583630 *	CLUSTER ASSY.							1		1			
4D,E	1582507	PANEL, CLUSTER (INCLUDES MOUNTING IN (7.4010)							2	2	2	1	1	
	131979	SCREW, #8-32X3/4" FIL. HD. (12.9010)							3	3	3	3	3	
	123435	BOLT, 1/4"-28X5/8" (12.9001)							4	4	4	4	4	
	106496	LOCKWASHER, #8 (12.9200)							AR	AR	AR	AR	AR	
	120380	LOCKWASHER, 1/4" (12.9200)							4	4	4	4	4	
	103092	NUT, #8-32 HEX. (12.9120)							3	3	3	3	3	
	121902	NUT, 1/4"-28 HEX. (12.9120)							4	4	4	4	4	
		# FIG. 1B OF 11.0000.												
		* NOT SERVICED; USE COMPONENTS.												
	7.4010 - MOUNTING, ANTI-VIBRATION													
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)									3	3	3	
	7.4013 - SUPPORT, INSTRUMENT PANEL													
	5124474	BRACKET							1					
	5124346	BRACKET								1		1		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							4	4	4	4	4	
	103321	LOCKWASHER, 3/8" (12.9200)							AR	AR	AR	AR	AR	
	7.4015 - AMMETER, BATTERY CHARGING													
4G	6474062	AMMETER (60 AMP.)	2	2	1	2	2	1	1	1	1	1	1	
4A,F	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
4A,F	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 220	226	229	257	269	322	389	392	401	402	403	413
		7.4020 - CLAMP, AMMETER												
4A,F	6460429	* CLAMP	2	2	1	2	2	1	1	1	1	1	1	
		* NOT SERVICED; CUSTOMER TO FABRICATE.												
		7.4060 - TACHOMETER												
4G	1536865	# TACHOMETER (C.W. ROTATION) (2500 RPM) (5658115)							1	1	1	1	1	
4G	1549866	# TACHOMETER (C.W. ROTATION) (2:1 RATIO) (5658119)	1	2	1	1		1						
4G	1549265	TACHOMETER (WITH HOURMETER) (400 RPM) (ELECTRIC)	1			1	2							
4G	1548428	# TACHOMETER (C.W. ROTATION) (5658316)												1
	120385	WASHER, #10 (12.9190)					AR	AR	AR	AR	AR	AR	AR	
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# NOT SERVICED; USE NUMBER IN PARENTHESES PLUS (1) 6479007 RED. BUSHING KIT.												
		7.4061 - ADAPTOR, TACHOMETER MOUNTING												
4G	5187601	ADAPTOR (7.4005)							1	1	1	1	1	
	113904	SCREW, #12X7/16" (12.9025)							4	4	4	4	4	
	106498	LOCKWASHER, #12 (12.9200)							4	4	4	4	4	
		7.4062 - DRIVE UNIT, TACHOMETER												
4G	1548005	* DRIVE UNIT (ELECTRICAL)	1			1	2							
4G	5284621	BOOT	1			1	2							
		* OBSOLETE												
		7.4063 - RETAINER, TACHOMETER												
		A RETAINER ASSY. INCLUDES MOUNTING ASSY. IN 7.4064.												
4G	5186851	+ RETAINER ASSY. (5148776)							1	1	1	1	1	
	436537	SCREW, #8-32X7/8" PAN HD.							3	3	3	3	3	
	103341	WASHER, 3/8" FLAT (12.9190)							3	3	3	3	3	
	106496	LOCKWASHER, #8 (12.9200)							3	3	3	3	3	
	103092	NUT, #8-32 HEX. HD. (12.9120)							3	3	3	3	3	
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		7.4064 - MOUNTING, TACHOMETER												
4G	5193754	MOUNTING ASSY. (ANTI-VIBRATION)							3	3	3	3	3	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 220	226	229	257	269	322	389	392	401	402	403	413
		7.4065 - CLAMP, TACHOMETER												
4F	1535062	CLAMP	1	2	1	1		1						3
	1580977	CLAMP	1			1	2							
		7.4070 - GAGE, OIL PRESSURE (ENGINE)												
4G,E	1508352	GAGE (80#)							1	1	1	1	1	
4G,E	1508354	GAGE (80#) (LIGHTED)	2	2	1	2	2	1					2	
4F	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)							1	1	1	1	1	
4F	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	
4F	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
4G,E	1508353	GAGE (200#) (7.4070)							1	1	1			
4G	5652502	GAGE (300#)	2	2	1	2	2							
4G	5654700	GAGE (400#)						1						
4F	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)							1	1	1			
4E	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR			
4F	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR	AR	AR	AR	AR	AR			
		7.4072 - CLAMP, OIL PRESSURE GAGE												
4A,F	1505244	* CLAMP	4	4	2	4	4	2	2	2	2	2	2	
		* NOT SERVICED. CUSTOMER FABRICATE.												
		7.4074 - HOSE, OIL PRESSURE GAGE												
4A	5183595	HOSE, FLEX. (16"L.)								1				
4A	5126734	HOSE, FLEX. (18"L.)							1			1		
4A	5125147	HOSE, FLEX. (34"L.)									1		1	
4A	2324671	HOSE, FLEX. (58"L.)									1			
4A	5126735	HOSE, FLEX. (94"L.) (7.4075)						1						
4A	5126736	HOSE, FLEX. (108"L.)								1				
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)							2	2	2	2	2	
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)								1				
	1508350	FITTING, RESTRICTION							1	1	1			
	442321	CONNECTOR, 1/4" (12.9460)							1	1	1	1	1	
	179735	BUSHING, 3/4"X1/8" RED. PIPE (12.9570)							1	1	1	1	1	
	5114551	TAG, CABLE (7.4545)							AR	AR	AR	AR	AR	
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
	140580	CLIP							AR		AR	AR	AR	
	5163538	CLIP (7.8320)							3	3	3			
	3291487	CLIP (5.5200)								1				

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 220	226	229	257	269	322	389	392	401	402	403	413
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE (CONT'D)												
	179835	BOLT, 3/8"-16X5/8" (12.9001)							1		1			
	100158	BOLT, 1/2"-13X1" (12.9001)								1				
	103321	LOCKWASHER, 3/8" (12.9200)							1		1			
	103323	LOCKWASHER, 1/2" (12.9200)								1				
		7.4077 - GAGE, OIL TEMPERATURE												
4G,E	6490571	GAGE (15' CAPILLARY)									1			
4G,E	6490570	GAGE (12' CAPILLARY)							1	1				
	120217	LOCKWASHER, #10 (12.9200)							AR	AR	AR			
	120614	NUT, #10-32 HEX. (12.9120)							AR	AR	AR			
		7.4080 - GAGE, WATER TEMPERATURE												
		A GAGE INCLUDES ADAPTOR IN 7.4084.												
4G	6490557	GAGE (15' CAPILLARY)	1			1		1						
4G,E	6490560	GAGE (16" CAPILLARY)								1		1		
4G,E	6490561	GAGE (25" CAPILLARY)							1		1		1	
4G,E	6490558	GAGE (30' CAPILLARY)	1	2	1	1	2							
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)							1	1	1	1	1	
4A,F	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
4A,F	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
		7.4082 - CLAMP, WATER TEMPERATURE GAGE												
4A	1505244 *	CLAMP (7.4072)	2	2	1	2	2	1	2	2	2	2	2	
	5161896	CLIP, 3/16" (7.8320)							AR	AR	AR	AR	AR	
	5114551	TAG, CABLE (7.4545)						AR						
		* NOT SERVICED, CUSTOMER TO FABRICATE												
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
4A	859151 *	ADAPTOR	2	2	1	2	2	1	1	1	1	1	1	
		* OBSOLETE												
		7.4099 - MEDALLION, INSTRUMENT PANEL												
4E	1566992	MEDALLION							1	1	1			
	5175547	BRACKET (7.4020)							1	1	1			
	120614	NUT, #10-32 HEX. (12.9120)							1	1	1			

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 220	226	229	257	269	322	389	392	401	402	403	413
		7.4100 - LAMP, INSTRUMENT PANEL												
	6459359	CABLE ASSY., LAMP BULB (SINGLE SOCKET)	6	5	3	6	5							
	127934	BULB, 12-16V., LAMP (12.9520)	6	5	3	6	5							
		7.4115 - SWITCH, ENGINE STARTING												
4A,D,G	1996097 *	SWITCH (2 POST)			1			1	1	1	1	1	1	
4A,D	1567238	PLATE, NAME	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
		* PROCURE FROM UNITED DELCO.												
		7.4125 - SWITCH, OIL PRESSURE												
4G	5100673	SWITCH	1			1	2							
		7.4135 - BLOCK, INSTRUMENT PANEL FUSE												
4G	1568182	BLOCK ASSY. (INCLUDES FUSE)	1			1	2							
	147684	FUSE, 9 AMP. (12.9530)	AR			AR	AR							

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4191	4201	4241	4251	4391	4471	4531	4561	4571	4601	4651	4681
		7.4005 - PANEL, INSTRUMENT												
		A CLUSTER ASSY. INCLUDES CLUSTER PANEL IN 7.4005 AND ITEMS IN 7.4015, 7.4020, 7.4070, 7.4071, 7.4072, 7.4077, 7.4080 AND 7.4082.												
	5111537	PANEL	1											
	5111793	PANEL		1					1					
	5127398	PANEL					1	1				1	1	1
	5100116	PANEL								1	1			
	1583630 @	CLUSTER ASSY.	1					1					1	1
	1582504 @	CLUSTER ASSY.			1									
	1583570 @	CLUSTER ASSY.			1									
4D,E	1582506 @	CLUSTER ASSY.			1									
4A,D,E	1582507	PANEL, CLUSTER (INCLUDES MOUNTING IN 7.4010)	1	1	2		1	1	2	1	1	2	1	2
	131979	SCREW, #8-32X3/4" (12.9010)	4	6	4		4	4	4	4	4	4	4	4
	100715	SCREW, #8-32X7/8" (12.9010)										2		2
	100759	SCREW, #8-32X1 1/2" (12.9010)										1		1
	123435	BOLT, 1/4"-28X5/8" (12.9001)	4	4			4	4	4	4	4	4	4	4
	120392	WASHER, 1/4" FLAT (12.9190)					4	4		4	4	4	4	4
	106496	LOCKWASHER, #8 (12.9200)	3	3	3		3	3	3	3	3	3	3	3
	120380	LOCKWASHER, 1/4" (12.9200)	4	4			4	4	4	4	4	4	4	4
	103092	NUT, #8-32 HEX. (12.9120)	3	9	3		3	3	3	3	3	3	3	3
	121902	NUT, 1/4"-28 HEX. (12.9120)	4	4			4	4	4	4	4	4	4	4
		@ NOT SERVICED; USE COMPONENTS.												
		7.4010 - MOUNTING, ANTI-VIBRATION												
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)	3	6	6		3	3	6	3	3	6	3	6
		7.4013 - SUPPORT, INSTRUMENT PANEL												
	5128131	SUPPORT					1				1			
	5127605	SUPPORT (RADIATOR MODELS)						1		1		1	1	1
	5127609	SUPPORT (HEAT EXCHANGER MODELS)						1						
	5124346	BRACKET	1	1					1					
	5129198	BRACKET (TORQUE CONVERTER)										1		1
	179839	BOLT, 3/8"-16X1" (12.9001)					4	4		4	4	4	4	4
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	4	4					4					
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR			AR	AR	AR	AR	AR	AR	AR	AR
		7.4015 - AMMETER, BATTERY CHARGING												
4G	1503338	AMMETER (60 AMP.)	1	1	1		1	1	1	1	1	1	1	1
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR		AR		AR	AR	AR	AR	AR	AR
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR			AR	AR	AR	AR	AR	AR	AR	AR

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 419	420	424	425	439	447	453	456	457	460	465	468
		7.4020 - CLAMP, AMMETER												
4F	6460429	CLAMP	1	1	1		1	1	1	1	1	1	1	1
		7.4060 - TACHOMETER												
4G	1536865	*TACHOMETER (C.W. ROTATION) (2500 RPM)*	1	1			1	1		1	1	1		
4G	1549030	TACHOMETER (C.W. ROTATION) (2500 RPM)				1								
	120385	WASHER, #10 FLAT (12.9190)	AR	AR			AR	AR		AR	AR	AR		
	103341	WASHER, 3/8" FLAT (12.9190)						AR		AR	AR	AR		
	120217	LOCKWASHER, #10 (12.9200)	AR	AR		AR	AR	AR		AR	AR	AR		
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR		AR	AR	AR		AR	AR	AR		
		7.4061 - ADAPTOR, TACHOMETER MOUNTING												
4A,G	5187601	ADAPTOR	1	1			1	1		1	1	1		
	113904	SCREW, #12-24X7/16" (12.9025)	4	4			4	4		4	4	4		
	106498	LOCKWASHER, #12 (12.9200)	4	4			4	4		4	4	4		
		7.4063 - RETAINER, TACHOMETER												
		A RETAINER ASSY. INCLUDES MOUNTING ASSY. IN 7.4064.												
E,G	5186851	+ RETAINER ASSY. (5148776)	1	1			1	1		1	1	1		
	436537	SCREW, #8-32X7/8" PAN HD.	3	3			3	3		3	3	3		
	103341	WASHER, 3/8" FLAT (12.9190)	3	3			3	3		3	3	3		
	106496	LOCKWASHER, #8 (12.9200)	3	3			3	3		3	3	3		
	103092	NUT, #8-32 HEX. (12.9120)	3	3			3	3		3	3	3		
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		7.4064 - MOUNTING, TACHOMETER												
	5193754	MOUNTING ASSY. (ANTI-VIBRATION)	3	3			3	3		3	3	3		
		7.4065 - CLAMP, TACHOMETER												
4F	1535062	CLAMP				1								
		7.4070 - GAGE, OIL PRESSURE (ENGINE)												
4G	6463913	GAGE (80#)	1	1	1		1	1	1	1	1	1	1	1
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)	1		1		1	1	1	1	1	1	1	1
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 419	420	424	425	439	447	453	456	457	460	465	468
		7.4070 - GAGE, OIL PRESSURE (ENGINE) (CONT'D)												
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
4G	6463914	GAGE (200#) (7.4070)		1	1				1			1		1
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)		1	1				1			1		1
	120217	LOCKWASHER, #10 (12.9200)		AR	AR				AR			AR		AR
	120614	NUT, #10-32 HEX. (12.9120)		AR	AR				AR			AR		AR
		7.4072 - CLAMP, OIL PRESSURE GAGE												
4A	1505244	* CLAMP * NOT SERVICED CUSTOMER TO FABRICATE	2	4	2		1	1	2	1	1	2	1	3
		7.4074 - HOSE, OIL PRESSURE GAGE												
4A	5183595	HOSE, FLEX. (16" L.)							1					
4A	5126734	HOSE, FLEX. (18" L.)												1
4A	5139692	HOSE, FLEX. (25" L.)					1	1		1	1	1		1
4A	5125147	HOSE, FLEX. (34" L.)	1	1				1					1	1
4A	5126736	HOSE, FLEX. (108" L.)							1					
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)	2	2			2	2	2	2	2	2	2	2
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)							1					
	225810	ELBOW, 1/8" INV. FL. TUBE (12.9480)												1
	442321	CONNECTOR, 1/4" (12.9460)	1	1			1	1	1	1	1	1	1	1
	1508350	FITTING, RESTRICTION							1					1
	118748	FITTING, 1/4" (12.9380)							2					
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)	1	1				1					1	
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)					1	1	1	1	1	1		1
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
	5163538	CLIP (OIL TEMPERATURE GAGE) (7.8320)	3	3					1					
	3291487	CLIP, 5/16" (5.5200)						1		1				
	5187979	CLIP, 3/8" (4.3045)						1						
	140580	CLIP, 3/8"X3/8" (12.9630)	AR	AR				AR	AR				AR	AR
	5114551	TAG, CABLE (7.4545)	AR					AR	AR				AR	AR
	179835	BOLT, 3/8"-16X5/8" (12.9001)		1					1					
	179879	BOLT, 1/2"-13X3/4" (12.9001)						1						
	122408	BOLT, 1/2"-13X1" (12.9001)						1		1				
	106261	WASHER, 1/4" FLAT (12.9190)	AR											
	103343	WASHER, 1/2" FLAT (12.9190)						1						

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 419	420	424	425	439	447	453	456	457	460	465	468
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)		1					1					
	103323	LOCKWASHER, 1/2" (12.9200)						1		1				
	123390	NUT, 1/4"-20 HEX. (12.9120)												1
		7.4077 - GAGE, OIL TEMPERATURE												
4G	6490570	GAGE (12' CAPILLARY)		1					1					
4G	6490568	GAGE (44" CAPILLARY)			1									1
	120217	LOCKWASHER, #10 (12.9200)		AR	AR				AR			AR		AR
	120614	NUT, #10-32 HEX. (12.9120)		AR	AR				AR			AR		AR
		7.4078 - CLAMP, OIL TEMPERATURE GAGE												
	1505244	CLAMP (7.4072)							1					
		7.4080 - GAGE, WATER TEMPERATURE												
		A GAGE INCLUDES ADAPTOR IN 7.4084.												
4G	6490560	GAGE (16 1/4" CAPILLARY)	1	1			1	1		1		1	1	1
4G	6490561	GAGE (25" CAPILLARY)					1			1				
4G	6490563	GAGE (49" CAPILLARY)			1									
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)					1			1				
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR
		7.4082 - CLAMP, WATER TEMPERATURE GAGE												
4A	1505244 *	CLAMP (7.4072)	1	1	1		1	1	1	1	1	1	1	1
	5163538	CLIP, 3/16" SPEC. (7.8320)					1			1				
	5114551	TAG, CABLE (7.4545)			AR		AR	AR	AR	AR	AR	AR		AR
		* NOT SERVICED,CUSTOMER TO FABRICATE												
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
4A	859151 *	ADAPTOR	1	1	1		1	1	1	1	1	1	1	1
		* OBSOLETE												
		7.4099 - MEDALLION, INSTRUMENT PANEL												
4E	1566992	MEDALLION		1	1				1			1		1
	5175547	BRACKET (7.4020)		1	1				1			1		1
	120614	NUT, #10-32 HEX. (12.9120)		1	1				1			1		1

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 419	420	424	425	439	447	453	456	457	460	465	468
		7.4115 - SWITCH, ENGINE STARTING												
4A,B	**1996097**	* SWITCH	1	1	1		1	1	1	1	1	1	1	1
4A,D	**1567238**	PLATE, NAME	1	1	1		1	1	1	1	1	1	1	1
		* PROCURE FROM AC DELCO.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 469	471	473	478	479	484	486	488	493	494	496	499
		7.4005 - PANEL, INSTRUMENT												
		A CLUSTER ASSY. INCLUDES CLUSTER PANEL IN 7.4005 AND ITEMS IN 7.4015, 7.4020, 7.4070, 7.4071, 7.4072, 7.4077, 7.4080 AND 7.4082.												
	5127398	PANEL		1				1					1	
	5100116	PANEL					1							1
	1583552	PANEL (DUAL LIGHTED)	1											
	5131628	PANEL				1								
	6407190	* PANEL ASSY. (DUAL)	1											
	1583630	@ CLUSTER ASSY.					1						1	1
	1582504	@ CLUSTER ASSY.		1										
4D,E	1582506	@ CLUSTER ASSY.									1	1		
	1582505	@ CLUSTER ASSY.		1		1		1						
4A,D,E	1582507	PANEL, CLUSTER (INCLUDES MOUNTING IN 7.4010)		2	1	1	1	1			1	1	1	1
	5127015	SUPPORT			1						1	1		
	5129069	SPACER (7.6001)									2	2		
	131979	SCREW, #8-32X3/4" (12.9010)		4	4	4	4	4			4	4	4	4
	100715	SCREW, #8-32X7/8" (12.9010)		2										
	100759	SCREW, #8-32X1 1/2" (12.9010)		1										
	123435	BOLT, 1/4"-28X5/8" (12.9001)		4		4	4	4					4	4
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)			6									
	447126	BOLT, 1/2"-20X3" (12.9001)									6	6		
	5121674	WASHER, BEVEL (11.1073)									6	6		
	120392	WASHER, 1/4" FLAT (12.9190)		4		4	4	4					4	
	106496	LOCKWASHER, #8 (12.9200)		3	3	3	3	3			3	3	3	3
	103319	LOCKWASHER, 1/4" (12.9200)		4		4	4	4					4	4
	103323	LOCKWASHER, 1/2" (12.9200)			6						6	6		
	103092	NUT, #8-32 HEX. (12.9120)		3	3	3	3	3			3	3	3	3
	121902	NUT, 1/4"-28 HEX. (12.9120)		4		4	4	4					4	4
	103028	NUT, 1/2"-20 HEX. (12.9120)			6						6	6		
		@ NOT SERVICED; USE COMPONENTS.												
		* OBSOLETE.												
		7.4010 - MOUNTING, ANTI-VIBRATION												
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)		6	3	6	3	6			6	3	3	3
		7.4012 - COVER, INSTRUMENT PANEL												
	5127016	COVER			1						1	1		
	186676	BOLT, 1/4"-20X5/8" (12.9001)			8						8	8		
	103319	LOCKWASHER, 1/4" (12.9200)			8						8	8		

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4669	4707 4771	4733	4778	4779	4784	4861	4888	4933	4994	4996	4999
		7.4013 - SUPPORT, INSTRUMENT PANEL												
	5128131	SUPPORT		1		1								
	5127605	SUPPORT (RADIATOR MODELS)					1	1					1	
	5127609	SUPPORT (HEAT EXCHANGER MODELS)												1
	5129198	BRACKET (TORQUE CONVERTER)		1										
	5127582	BRACKET (EXCITER LEAD)			1									
	132908	SCREW, #10-32X1/2" RD. HD. (12.9025)			4									
	179839	BOLT, 3/8"-16X1" (12.9001)		4		4	4	4					4	4
	120217	LOCKWASHER, #10 (12.9200)			4									
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR	AR	AR					AR	AR
	120614	NUT, #10-32 HEX. (12.9120)			4									
		7.4015 - AMMETER, BATTERY CHARGING												
4G	**1503338**	AMMETER (60 AMP.)		1	1	1	1	1		1	1	1	1	1
4G	**1502346**	AMMETER (60 AMP.)	2											
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
		7.4020 - CLAMP, AMMETER												
4F	**6460429**	CLAMP	2	1	1	1	1	1		1	1	1	1	1
		7.4060 - TACHOMETER												
4G	**1536865**	TACHOMETER (C.W. ROTATION) (2500 RPM)		1		1	1	1					1	1
4G	**1549866**	+ TACHOMETER (C.W. ROTATION) (3000 RPM) (WITH HOUR METER) (5658119)	2											
4G	**1549874**	TACHOMETER (C.W. ROTATION) (2500 RPM)							1					
	120385	WASHER, #10 FLAT (12.9190)		AR		AR	AR	AR					AR	AR
	103341	WASHER, 3/8" FLAT (12.9190)		AR		AR	AR	AR					AR	AR
	120217	LOCKWASHER, #10 (12.9200)	AR	AR		AR	AR	AR	AR				AR	AR
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR		AR	AR	AR	AR				AR	AR
		+ NOT SERVICED; USE NUMBER IN PARENTHESES PLUS 6479007.												
		7.4061 - ADAPTOR, TACHOMETER MOUNTING												
4A,G	**5187601**	ADAPTOR		1		1	1	1					1	1
	113904	SCREW, #12-24X7/16" (12.9025)		4		4	4	4					4	4
	106498	LOCKWASHER, #12 (12.9200)		4		4	4	4					4	4
		7.4063 - RETAINER, TACHOMETER												
		A RETAINER ASSY. INCLUDES MOUNTING ASSY. IN 7.4064.												
4E,G	**5148776**	RETAINER ASSY.		1		1	1	1					1	1

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4669	4671	4673	4678	4679	4684	4686	4688	4693	4694	4696	4699
		7.4063 - RETAINER, TACHOMETER (CONT'D)												
	436537	SCREW, #8-32X7/8" PAN HD.		3		3	3	3					3	3
	103341	WASHER, 3/8" FLAT (12.9190)		3		3								
	106496	LOCKWASHER, #8 (12.9200)		3		3	3	3					3	3
	103092	NUT, #8-32 HEX. (12.9120)		3		3	3	3					3	3
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		7.4064 - MOUNTING, TACHOMETER												
	5193754	MOUNTING ASSY. (ANTI-VIBRATION)		3		3	3	3						
		7.4065 - CLAMP, TACHOMETER												
4F	1535062	CLAMP	2						1					
		7.4070 - GAGE, OIL PRESSURE (ENGINE)												
4G	6463913	GAGE (80#)	2	1	1	1	1	1		1	1	1	1	1
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)		1	1	1	1	1		1	1	1	1	1
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
4G	6463914	GAGE (200#) (7.4070)		1										
	6463500	GAGE (300#)	2											
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)		1										
	120217	LOCKWASHER, #10 (12.9200)	AR	AR										
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR										
		7.4072 - CLAMP, OIL PRESSURE GAGE												
4A	1505244	* CLAMP *NOT SERVICED, CUSTOMER TO FABRICATE	4	2	1	1	1	1		1	1	1	1	1
		7.4074 - HOSE, OIL PRESSURE GAGE												
4A	5119366	HOSE, FLEX. (11"L.)			1							1		
4A	5118781	HOSE, FLEX. (11 3/16"L.) (5.1003)									1			
4A	5139692	HOSE, FLEX. (25"L.)	1			1	1	1					1	1
	5109153	TUBE (DEV. L. 66")									1			
	5109272	TUBE (DEV. L. 58")			1							1		
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)		2	1	2	2	2			1	1	2	2

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4069	4071	4073	4078	4079	4084	4086	4088	4093	4094	4096	4099
		7.4074 - HOSE, OIL PRESSURE GAGE (CONT'D)												
	442321	CONNECTOR, 1/4" (12.9460)		1	1	1	1	1			1	1	1	
	442336	UNION, 1/4" INV. FL. TUBE (12.9475)			1									
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)			1	1					1	1		
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)		1			1	1					1	1
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
	5163538	CLIP (OIL TEMPERATURE GAGE) (7.8320)												1
	5158509	CLIP (7.8320)			2						2	2		
	3291487	CLIP, 5/16" (5.5200)				1							1	1
	140580	CLIP, 3/8"X3/8" (12.9630)		AR			AR	AR						
	5182993	BRACKET (7.4525)			1						1	1		
	5160629	SPACER (4.2270)			1						1	1		
	5114551	TAG, CABLE (7.4545)				AR		AR						
	180016	BOLT, 1/4"-20X1/2" (12.9001)			1						1	1		
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)			1						1	1		
	122408	BOLT, 1/2"-13X1" (12.9001)				1							1	1
	120380	LOCKWASHER, 1/4" (12.9200)			1						1	1		
	103323	LOCKWASHER, 1/2" (12.9200)				1							1	1
	123390	NUT, 1/4"-20 HEX. (12.9120)			1									
		7.4077 - GAGE, OIL TEMPERATURE												
4G	6490568	GAGE (44" CAPILLARY)		1										
	120217	LOCKWASHER, #10 (12.9200)		AR										
	120614	NUT, #10-32 HEX. (12.9120)		AR										
		7.4080 - GAGE, WATER TEMPERATURE												
		A GAGE INCLUDES ADAPTOR IN 7.4084.												
4G	6490563	GAGE (6" CAPILLARY)			1					1	1	1		
4G	6490557	GAGE (15" CAPILLARY)	2											
4G	6490560	GAGE (16 1/4" CAPILLARY)					1						1	1
4G	6490561	GAGE (25" CAPILLARY)		1		1		1						
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)		1		1		1						
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR		AR	AR		AR	AR	AR	AR	AR
		7.4082 - CLAMP, WATER TEMPERATURE GAGE												
4A	1505244	* CLAMP (7.4072)	2	1	1	1	1	1		1	1	1	1	1
	5161896	CLIP (7.8320)		1										
	5163538	CLIP, 3/16" SPEC. (7.8320)						1						

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 469	471	473	478	479	484	486	488	493	494	496	499
		7.4082 - CLAMP, WATER TEMPERATURE GAGE (CONT'D)												
	5114551	TAG, CABLE (7.4545)		AR	AR	AR		AR		AR	AR	AR		
		* NOT SERVICED,CUSTOMER TO FABRICATE												
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
4A	859151	* ADAPTOR	2	1	1	1	1	1		1	1	1	1	1
		* OBSOLETE												
		7.4099 - MEDALLION, INSTRUMENT PANEL												
4E	1566992	MEDALLION		1										
	5175547	BRACKET (7.4020)		1										
	120614	NUT, #10-32 HEX. (12.9120)		1										
		7.4100 - LAMP, INSTRUMENT PANEL												
	127934	BULT, 12-16V., 3 C.P. LAMP (12.9520)	5											
	6459359	CABLE ASSY., LAMP BULB (SINGLE SOCKET)	5											
		7.4115 - SWITCH, ENGINE STARTING												
4A,B	1996097	* SWITCH	2	1	1	1	1	1		1	1		1	1
4A,D	1567238	PLATE, NAME		1	1	1	1	1					1	1
		* PROCURE FROM AC DELCO.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5033	5044	5055	5066	5166	5177	5233	5244	5266	5288	5299	5333
		7.4005 - PANEL, INSTRUMENT												
		A CLUSTER ASSY. INCLUDES CLUSTER PANEL IN 7.4005 AND ITEMS IN 7.4015, 7.4020, 7.4070, 7.4071, 7.4072, 7.4077, 7.4080, AND 7.4082.												
	1583630	@ CLUSTER ASSY.	1		1		1		1					
	1582505	@ CLUSTER ASSY.		1							1		1	
	1587069	@ CLUSTER ASSY.						1						
4A,D,E	1582507	PANEL, CLUSTER (INCLUDES MOUNTING IN 7.4010)	1	2	2		2	1	1		1		2	
	5100116	PANEL	1											
	5111793	PANEL		1										
	5127398	PANEL			1		1		1		1	1	1	
	5127015	SUPPORT						1						
	5129069	SPACER (7.6001)						2						
	100698	SCREW, #6-32X3/8" (12.9010)						1						
	131979	BOLT, #8-32X3/4" (12.9001)	3	6	3		3	3	3		3		3	
	100715	BOLT, #8-32X7/8" (12.9001)			2								2	
	100759	BOLT, #8-32X1 1/2" (12.9001)			1								1	
	123435	BOLT, 1/4"-28X5/8" (12.9001)	4	4	4		4		4		4	4	4	
	447126	BOLT, 1/2"-20X3" (12.9001)						6						
	5121674	WASHER, BEVEL (11.1073)						6						
	120392	WASHER, 1/4" FLAT (12.9190)	4		4		4		4		4	4	4	
	131044	LOCKWASHER, #6 (12.9200)						1						
	106496	LOCKWASHER, #8 (12.9200)	AR	AR	AR		AR	AR	AR		AR		AR	
	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4		4		4		4	4	4	
	103323	LOCKWASHER, 1/2" (12.9200)						6						
	103092	NUT, #8-32 HEX. (12.9120)	3	6	6		3	3	3		3		6	
	121902	NUT, 1/4"-28 HEX. (12.9120)	4	4	4		4		4		4	4	4	
	103028	NUT, 1/2"-20 HEX. (12.9120)						6						
		@ NOT SERVICED; USE COMPONENTS.												
		7.4010 - MOUNTING, ANTI-VIBRATION												
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)	3	6	6		6	3	3		3		6	
		7.4012 - COVER, INSTRUMENT PANEL												
	5127016	COVER						1						
	186676	BOLT, 1/4"-20X5/8" (12.9001)						8						
	120380	LOCKWASHER, 1/4" (12.9200)						8						
		7.4013 - SUPPORT, INSTRUMENT PANEL												
	5127605	SUPPORT (RADIATOR MODELS)	1		1		1							
	5127609	SUPPORT (HEAT EXCHANGER MODELS)							1					
	5128131	SUPPORT									1	1	1	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 503	504	505	506	516	517	523	524	526	528	529	533
		7.4013 - SUPPORT, INSTRUMENT PANEL (CONT'D)												
	5124474	BRACKET		1										
	5129198	BRACKET (TORQUE CONVERTER)(7.4010)			1								1	
	5127582	BRACKET (EXCITER LEAD)						1						
	132908	SCREW, #10-32X1/2" RD. HD. (12.9025)						2						
	179839	BOLT, 3/8"-16X1" (12.9001)	4		4		4		4		4	4	4	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		4										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR		AR		AR	AR	AR	
	120217	LOCKWASHER, #10 (12.9200)						2						
	120614	NUT, #10-32 HEX. (12.9120)						2						
		7.4015 - AMMETER, BATTERY CHARGING												
4G	6474062	AMMETER (60 AMP.)	1	1	1		1	1	1	1	1		1	
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR		AR	AR	AR	AR	AR		AR	
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR		AR	AR	AR	AR	AR		AR	
		7.4020 - CLAMP, AMMETER												
4F	6460429 @	CLAMP	1	1	1		1	1	1	1	1		1	
		@ NOT SERVICED. CUSTOMER TO FABRICATE.												
		7.4060 - TACHOMETER												
	1536865	TACHOMETER (C.W. ROTATION) (2500 RPM)	1	1			1				1	1	1	
4G	5658112	TACHOMETER (C.W. ROTATION, 2:1 RATIO) (2500 RPM)			1									
4G	1548428	TACHOMETER (C.W. ROTATION, 2:1 RATIO)							1					1
	1549265	TACHOMETER (INCLUDES HOURMETER) (3500 RPM)								1				
	5120376	HOURMETER (24V.) (7.4118)				1								
	120385	WASHER, #12 PL. CAD. (12.9190)	AR	AR	AR		AR		AR		AR	AR	AR	AR
	103341	WASHER, 3/8" FLAT (12.9190)	AR	AR	AR		AR		AR		AR	AR	AR	AR
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR		AR		AR		AR	AR	AR	AR
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR		AR		AR		AR	AR	AR	
		7.4061 - ADAPTOR, TACHOMETER MOUNTING												
4A,G	5187601	ADAPTOR (7.4005)	1	1	1		1		1		1	1	1	1
	113904	SCREW, #12-24X7/16" (12.9025)	4	4	4		4		4		4	4	4	4
	106498	LOCKWASHER, #12 (12.9200)	4	4	4		4		4		4	4	4	4

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 503	504	505	506	516	517	523	524	526	528	529	533
		7.4063 - RETAINER, TACHOMETER												
		A RETAINER ASSY. INCLUDES MOUNTING ASSY. IN 7.4064.												
4E,G	**5186851**	+ RETAINER ASSY. (5148776)	1	1	1		1		1		1	1	1	1
	436537	SCREW, #8-32X7/8" PAN HD. (12.9010)	3	3	3		3		3		3	3	3	3
	103341	WASHER, 3/8" FLAT (12.9190)	AR	AR	AR		AR		AR		AR	AR	AR	AR
	106496	LOCKWASHER, #8 (12.9200)	3	3	3		3		3		3	3	3	3
	103092	NUT, #8-32 HEX. HD. (12.9120)	3	3	3		3		3		3	3	3	3
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		7.4064 - MOUNTING, TACHOMETER												
	5193754	MOUNTING ASSY. (ANTI-VIBRATION) (7.4010)	3	3	3		3		3		3	3	3	3
		7.4065 - CLAMP, TACHOMETER												
4F	**1580977**	@ CLAMP								1				
	5114551	TAG (7.4545)										1		
		@ NO LONGER AVAILABLE FOR SERVICE.												
		7.4070 - GAGE, OIL PRESSURE (ENGINE)												
4G	**1508352**	GAGE (80#)	1	1	1		1		1		1		1	
4G	**6463499**	GAGE (80#) (INCLUDES CONNECTOR)						1						
4G	**1508354**	GAGE (80#) (LIGHTED)								1				
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)	1	1	1		1	1	1	1	1		1	
	120217	LOCKWASHER, #10 (12.9200)	2	2	2		2	2	2	2	2		2	
	120614	NUT, #10-32 HEX. (12.9120)	2	2	2		2	2	2	2	2		2	
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
4G	**1508353**	GAGE (200#) (7.4070)		1	1		1			1			1	
4G	**5652502**	GAGE (330#)												
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)		1	1		1			1			1	
	120217	LOCKWASHER, #10 (12.9200)		AR	AR		AR			AR			AR	
	120614	NUT, #10-32 HEX. HD. (12.9120)		AR	AR		AR			AR			AR	
		7.4072 - CLAMP, OIL PRESSURE GAGE												
4A	**1505244**	@ CLAMP	1	2	2		2		1	2	1		2	
4A	**1501207**	@ CLAMP						1						
		@ NOT SERVICED. CUSTOMER TO FABRICATE.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5033	5034	5055	5056	5116	5117	5233	5234	5266	5288	5299	5333
		7.4074 - HOSE, OIL PRESSURE GAGE												
4A	**5119366**	HOSE, FLEX. (11"L.)						1						
4A	**5126734**	HOSE, FLEX. (18"L.)		1	1								1	
4A	**5182882**	HOSE, FLEX. (20 1/2"L.)	1		1						1		1	
4A	**5125147**	HOSE, FLEX. (34"L.)			1		1		1					
4A	**5126735**	HOSE, FLEX. (94"L.) (7.4075)		1			1							
	5109153	TUBE (DEV. L. 66")						1						
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)	2	2	2		2	1	2		2		2	
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)		1			1							
	225810	ELBOW, 1/4"-90 DEG. INV. FL. TUBE (12.9480)			1								1	
	442321	CONNECTOR, 1/4" (12.9460)	1	1	1		1	1	1		1		1	
	1508350	FITTING, RESTRICTION		1	1		1						1	
	118748	CONNECTOR, 1/4" (12.9380)		1			1							
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)					1	1	1					
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)	1	1	1						1		1	
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
	5187979	CLIP, 3/8" (4.3045)	1											
	5177623	CLIP, 3/8" (2.5120)		3										
	140580	CLIP, 3/8"X3/8" (12.9630)		AR			AR		AR				AR	
	5163538	CLIP (OIL TEMPERATURE GAGE) (7.8320)		1	1						1			
	5158509	CLIP (7.8320)						2						
	3291437	CLIP, 5/16" (5.5200)									1			
	5182993	BRACKET (7.4525)						1						
	5160629	SPACER (4.2270)						1						
	5114551	TAG, CABLE (7.4545)	AR	AR	AR		AR	AR					AR	
	180016	BOLT, 1/2"-20X1/2" (12.9001)						1						
	179835	BOLT, 3/8"-16X5/8" (12.9001)		2										
	180121	BOLT, 3/8"-16X7/8" (12.9001)					1							
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)						1						
	179858	BOLT, 7/16"-14X1" (12.9001)					1							
	179879	BOLT, 1/2"-13X3/4" (12.9001)	1											
	100158	BOLT, 1/2"-13X1" (12.9001)									1			
	5152148	WASHER, 3/8" FLAT (12.9190)					1							
	106263	WASHER, 7/16" FLAT (12.9190)					1							
	103343	WASHER, 1/2" FLAT (12.9190)	1											
	120380	LOCKWASHER, 1/4" (12.9200)						1						
	103321	LOCKWASHER, 3/8" (12.9200)		2			1							
	103322	LOCKWASHER, 7/16" (12.9200)					1							
	103323	LOCKWASHER, 1/2" (12.9200)									1			
	123390	NUT, 1/4"-20 JAM HEX. (12.9120)						1						
		7.4077 - GAGE, OIL TEMPERATURE												
4G	**6490570**	GAGE (12' CAPILLARY)		1			1							
4G	**6490568**	GAGE (44' CAPILLARY)			1								1	
	120217	LOCKWASHER, #10 (12.9200)		AR	AR		AR						AR	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 503	504	505	506	516	517	523	524	526	528	529	533
		7.4077 - GAGE, OIL TEMPERATURE (CONT'D)												
	120614	NUT, #10-32 HEX. HD. (12.9120)		AR	AR		AR						AR	
		7.4078 - CLAMP, OIL TEMPERATURE GAGE												
	1505244	@ CLAMP (7.4072)		1	1		1						1	
		@ NOT SERVICED. CUSTOMER TO FABRICATE.												
		7.4080 - GAGE, WATER TEMPERATURE												
		A MECHANICAL GAGE INCLUDES ADAPTOR IN 7.4084.												
4G	**6490560**	GAGE (16 1/4" CAPILLARY)	1		1		1		1					
4G	**6490561**	GAGE (25" CAPILLARY)		1							1		1	
4G	**6490565**	GAGE (10' CAPILLARY)						1						
4G	**6490558**	GAGE (30' CAPILLARY)								1				
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)		1							1		1	
	120217	LOCKWASHER, #10 (12.9200)	2	2	2		2	2	2	2	2		2	
	120614	NUT, #10-32 HEX. HD. (12.9120)	2	2	2		2	2	2	2	2		2	
		7.4082 - CLAMP, WATER TEMPERATURE GAGE												
4A	**1505244**	@ CLAMP (7.4072)	1	1	1		1		1	1	1		1	
4A	**1501207**	@ CLAMP (7.4072)						1						
	5161896	CLIP (7.8320)											1	
	5114551	TAG, CABLE (7.4545)	AR	AR	AR		AR				AR		AR	
		@ NOT SERVICED; CUSTOMER FABRICATE.												
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
4A	**859151**	* ADAPTOR	1	1	1		1	1	1	1	1		1	
		* OBSOLETE												
		7.4099 - MEDALLION, INSTRUMENT PANEL												
4E	**1566992**	MEDALLION		1	1		1						1	
4F	**5175547**	BRACKET (7.4020)		1	1								1	
4F	**120614**	NUT, #10-32 HEX. HD. (12.9120)		1	1								1	
		7.4115 - SWITCH, ENGINE STARTING												
4A,D	**1996097**	* SWITCH	1	1	1		1	1	1	1	1		1	
4A,D	**1567238**	PLATE, NAME	1	1	1		1	1	1	1	1		1	
		* PROCURE FROM AC DELCO.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 503	504	505	506	516	517	523	524	526	528	529	533
		7.4125 - SWITCH, OIL PRESSURE												
	5100673	SWITCH				1				1				
	120217	LOCKWASHER, #10 (12.9200)				2				2				
	120614	NUT, #10-32 HEX. (12.9120)				2				2				

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	542	544	545	547	548	549	550	552	558
		7.4005 - PANEL, INSTRUMENT										
		A CLUSTER ASSY. INCLUDES CLUSTER PANEL IN 7.4005 AND ITEMS IN 7.4015, 7.4020, 7.4070, 7.4071, 7.4072, 7.4077, 7.4080, AND 7.4082.										
	1583630	@ CLUSTER ASSY.			1	1				1	1	
	1587069	@ CLUSTER ASSY.										1
4D,E	**1582506**	@ CLUSTER ASSY.					1					
	1582504	@ CLUSTER ASSY.									1	
4A,D,E	**1582507**	PANEL, CLUSTER (INCLUDES MOUNTING IN 7.4010)	1									1
	5127398	PANEL			1						1	
	5131628	PANEL				1				1		
	5127015	SUPPORT					1					1
	100698	SCREW, #6-32X3/8" (12.9010)					1					
	131979	BOLT, #8-32X3/4" (12.9001)			3	3	3			3	3	3
	100715	BOLT, #8-32X7/8" (12.9001)									2	
	100759	BOLT, #8-32X1 1/2" (12.9001)									1	
	123435	BOLT, 1/4"-28X5/8" (12.9001)			4	4				4	4	
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)					6					6
	5121674	WASHER, BEVEL (11.1073)					6					6
	120392	WASHER, 1/4" FLAT (12.9190)			4	4				4	4	
	131044	LOCKWASHER, #6 (12.9200)					1					
	106496	LOCKWASHER, #8 (12.9200)			AR	AR	AR			AR	AR	AR
	120380	LOCKWASHER, 1/4" (12.9200)			4	4				4	4	
	103323	LOCKWASHER, 1/2" (12.9200)					6					6
	103092	NUT, #8-32 HEX. (12.9120)			3	3	3			3	9	3
	121902	NUT, 1/4"-28 HEX. (12.9120)			4	4				4	4	
	103028	NUT, 1/2"-20 HEX. (12.9120)					6					6
		@ NOT SERVICED; USE COMPONENTS.										
		7.4010 - MOUNTING, ANTI-VIBRATION										
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)	3									3
		7.4012 - COVER, INSTRUMENT PANEL										
	5127016	COVER					1					1
	186676	BOLT, 1/4"-20X5/8" (12.9001)					8					8
	120380	LOCKWASHER, 1/4" (12.9200)					8					8
		7.4013 - SUPPORT, INSTRUMENT PANEL										
	5127605	SUPPORT (RADIATOR MODELS)			1						1	
	5128131	SUPPORT				1				1		
	5129198	BRACKET (TORQUE CONVERTER)(7.4010)									1	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	542	544	545	547	548	549	550	552	558
		7.4013 - SUPPORT, INSTRUMENT PANEL (CONT'D)										
	179839	BOLT, 3/8"-16X1" (12.9001)			4	4				4	4	
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR				AR	AR	
		7.4015 - AMMETER, BATTERY CHARGING										
4G	6474062	AMMETER (60 AMP.)	1		1	1	1			1	1	1
	120217	LOCKWASHER, #10 (12.9200)	AR		AR	AR	AR			AR	AR	AR
	120614	NUT, #10-32 HEX. (12.9120)	AR		AR	AR	AR			AR	AR	AR
		7.4020 - CLAMP, AMMETER										
4F	6460429	@ CLAMP @ NOT SERVICED. CUSTOMER TO FABRICATE.	1		1	1	1			1	1	1
		7.4060 - TACHOMETER										
	1536865	TACHOMETER (C.W.ROTATION) (2500 RPM)				1			1	1		
	1549265	TACHOMETER (INCLUDES HOURMETER) (3500 RPM)	1					1				
	1536901	TACHOMETER (C.C.W. ROTATION)		1								
	120385	WASHER, #12 PL. CAD. (12.9190)				AR				AR		
	103341	WASHER, 3/8" FLAT (12.9190)				AR				AR		
	120217	LOCKWASHER, #10 (12.9200)	AR			AR			AR	AR		
	120614	NUT, #10-32 HEX. (12.9120)	AR			AR			AR	AR		
		7.4061 - ADAPTOR, TACHOMETER MOUNTING										
4A,G	5187601	ADAPTOR (7.4005)				1				1		
	113904	SCREW, #12-24X7/16" (12.9025)				4				4		
	106498	LOCKWASHER, #12 (12.9200)				4				4		
		7.4062 - DRIVE UNIT, TACHOMETER										
		A DRIVE UNIT INCLUDES PLUG AND CLAMP										
4G	1548005	* DRIVE UNIT (ELECTRICAL)	1					1				
4G	5284621	BOOT	1					1				
4G	5142442	* PLUG, CABLE (AMPHENOL)	2					2				
4G	5143038	* CLAMP, CABLE (AMPHENOL)	2					2				
		* OBSOLETE										

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	542	544	545	547	548	549	550	552	558
		7.4063 - RETAINER, TACHOMETER										
		A RETAINER ASSY. INCLUDES MOUNTING ASSY. IN 7.4064.										
4E,G	**5186851**	+ RETAINER ASSY. (5148776)				1				1		
	436537	SCREW, #8-32X7/8" PAN HD. (12.9010)				3				3		
	106496	LOCKWASHER, #8 (12.9200)				3				3		
	103092	NUT, #8-32 HEX. HD. (12.9120)				3				3		
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.										
		7.4065 - CLAMP, TACHOMETER										
4F	**1580977**	@ CLAMP	1									
	1535062	CLAMP							1			
		@ NO LONGER AVAILABLE FOR SERVICE.										
		7.4070 - GAGE, OIL PRESSURE (ENGINE)										
4G	**1508352**	GAGE (80#)			1	1	1			1	1	
4G	**6463499**	GAGE (80#) (INCLUDES CONNECTOR)										1
	5653146	GAGE (ELECTRIC)	1									
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)			1	1	1			1	1	1
	120217	LOCKWASHER, #10 (12.9200)	2		2	2	2			2	2	2
	120614	NUT, #10-32 HEX. (12.9120)	2		2	2	2			2	2	2
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)										
4G	**1508353**	GAGE (200#) (7.4070)									1	
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)									1	
	120217	LOCKWASHER, #10 (12.9200)									AR	
	120614	NUT, #10-32 HEX. HD. (12.9120)									AR	
		7.4072 - CLAMP, OIL PRESSURE GAGE										
4A	**1505244**	@ CLAMP			1	1	1			1	2	
4A	**1501207**	@ CLAMP										1
		@ NOT SERVICED. CUSTOMER TO FABRICATE.										
		7.4074 - HOSE, OIL PRESSURE GAGE										
4A	**5119366**	HOSE, FLEX. (11"L.)										1
4A	**5118781**	HOSE, FLEX. (11 3/16"L.) (5.1003)					1			1		
4A	**5126734**	HOSE, FLEX. (18"L.)									1	
4A	**5182882**	HOSE, FLEX. (20 1/2"L.)			1						1	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	542	544	545	547	548	549	550	552	558
		7.4074 - HOSE, OIL PRESSURE GAGE (CONT'D)										
4A	5125147	HOSE, FLEX. (34"L.)								1		
	5109272	TUBE (DEV. L. 58")					1					1
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)			2					2	2	2
	225810	ELBOW, 1/4"-90 DEG. INV. FL. TUBE (12.9480)									1	
	9432337	ELBOW, 1/4"-90 DEG. INV. FL. TUBE (12.9480)					1					
	442321	CONNECTOR, 1/4" (12.9460)			1		1			1	1	1
	1508350	FITTING, RESTRICTION									1	
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)								1		1
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)			1						1	
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE										
	140580	CLIP, 3/8"X3/8" (12.9630)								AR	AR	
	5158509	CLIP (7.8320)					2					2
	3291487	CLIP, 5/16" (5.5200)			1							
	5112241	CLAMP (2.5070)								1		
	5182993	BRACKET (7.4525)					1					1
	5160629	SPACER (4.2270)					1					1
	120687	BOLT, #10-24X1/2" RD. HD. (12.9025)								1		
	180016	BOLT, 1/2"-20X1/2" (12.9001)					1					1
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)					1					1
	122408	BOLT, 1/2"-13X1" (12.9001)			1							
	106497	LOCKWASHER, #10 (12.9200)								1		
	120380	LOCKWASHER, 1/4" (12.9200)					1					1
	103323	LOCKWASHER, 1/2" (12.9200)			1							
	110633	NUT, #10-24 HEX. (12.9120)								1		
	123390	NUT, 1/4"-20 JAM HEX. (12.9120)					1					1
		7.4077 - GAGE, OIL TEMPERATURE										
4G	6490570	GAGE (12' CAPILLARY)									1	
	120217	LOCKWASHER, #10 (12.9200)									AR	
	120614	NUT, #10-32 HEX. HD. (12.9120)									AR	
		7.4080 - GAGE, WATER TEMPERATURE										
		A MECHANICAL GAGE INCLUDES ADAPTOR IN 7.4084.										
4G	6490560	GAGE (16 1/4" CAPILLARY)			1	1				1	1	
4G	6490565	GAGE (10' CAPILLARY)										1
	6401256	GAGE (ELECTRIC)	1									

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	542	544	545	547	548	549	550	552	558
		7.4080 - GAGE, WATER TEMPERATURE (CONT'D)										
4G	6490563	GAGE (6' CAPILLARY)					1					
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)	1									
	120217	LOCKWASHER, #10 (12.9200)	2		2	2	2			2	2	2
	120614	NUT, #10-32 HEX. HD. (12.9120)	2		2	2	2			2	2	2
		7.4082 - CLAMP, WATER TEMPERATURE GAGE										
4A	1505244	@ CLAMP (7.4072)			1	1	1			1	1	
4A	1501207	@ CLAMP (7.4072)										1
	5114551	TAG, CABLE (7.4545)			AR	AR				AR	AR	
		@ NOT SERVICED; CUSTOMER FABRICATE.										
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE										
4A	859151	* ADAPTOR			1	1	1			1	1	1
		* OBSOLETE										
		7.4099 - MEDALLION, INSTRUMENT PANEL										
4E	1566992	MEDALLION									1	
4F	5175547	BRACKET (7.4020)									1	
4F	120614	NUT, #10-32 HEX. HD. (12.9120)									1	
		7.4115 - SWITCH, ENGINE STARTING										
4A,D	1996097	* SWITCH	1		1	1	1			1	1	1
4A,D	1567238	PLATE, NAME	1		1	1	1			1	1	1
		* PROCURE FROM AC DELCO.										
		7.4125 - SWITCH, OIL PRESSURE										
	1508144	TRANSMITTER	1									
		7.4128 - SWITCH, WATER TEMPERATURE										
	6400587	TRANSMITTER	1									
		7.4135 - BLOCK, INSTRUMENT PANEL FUSE										
4G	1568182	BLOCK ASSY. (INCLUDES FUSE)	1									
	147684	FUSE, 9 AMP. (12.9530)	1									

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 559	563	565	578	581	584	590	596	597	598	600	605
		7.4005 - PANEL, INSTRUMENT												
		A CLUSTER ASSY. INCLUDES CLUSTER PANEL IN 7.4005 AND ITEMS IN 7.4015, 7.4020, 7.4070, 7.4071, 7.4072, 7.4077, 7.4080 AND 7.4082.												
	1583630	@ CLUSTER ASSY.		1							1	1		
	1582505	@ CLUSTER ASSY.			1		1	1	1					1
	1582504	@ CLUSTER ASSY.									1	1		
	6456933	CLUSTER ASSY. (DUAL MECH.)											1	
4A,D,E	1582507	PANEL, CLUSTER (INCLUDES MOUNTING IN 7.4010)		1	2	1	1	1		1	2	1		1
	5127398	PANEL		1		1	1				1	1		
	5136082	PANEL							1					
	1583552	PANEL (DUAL LIGHTED)											1	
	5131628	PANEL												1
	131979	BOLT, #8-32X3/4" (12.9001)		3		3	3		3		3	3		3
	100715	BOLT, #8-32X7/8" (12.9001)									2			
	100759	BOLT, #8-32X1 1/2" (12.9001)									1			
	123435	BOLT, 1/4"-28X5/8" (12.9001)		4		4	4		4		4	4		4
	120392	WASHER, 1/4" FLAT (12.9190)		4		4	4		4		4	4		4
	106496	LOCKWASHER, #8 (12.9200)		AR		AR	AR		AR		AR	AR		AR
	120380	LOCKWASHER, 1/4" (12.9200)				4	4		4		4	4		4
	103092	NUT, #8-32 HEX. (12.9120)		3		3	3		3		9	3		3
	121902	NUT, 1/4"-28 HEX. (12.9120)		4		4	4		4		4	4		4
		@ NOT SERVICED; USE COMPONENTS.												
		7.4010 - MOUNTING, ANTI-VIBRATION												
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)		3	6	3	3	3		3	6	3		3
		7.4013 - SUPPORT, INSTRUMENT PANEL												
	5127609	SUPPORT (HEAT EXCHANGER MODELS)		1										
	5127605	SUPPORT (RADIATOR MODELS)				1					1	1		
	5128131	SUPPORT					1							1
	5136083	BRACKET							1					
	5129198	BRACKET (TORQUE CONVERTER) (7.4010)									1			
	179839	BOLT, 3/8"-16X1" (12.9001)		4		4	4		4		4	4		4
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				4								
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR	AR		AR		AR	AR		AR
		7.4015 - AMMETER, BATTERY CHARGING												
4G	6474062	AMMETER (60 AMP.)	1	1	1	1	1	1		1	1	1		1
4G	6474061	AMMETER (60 AMP.)											2	
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 559	563	565	578	581	584	590	596	597	598	600	605
		7.4015 - AMMETER, BATTERY CHARGING (CONT'D)												
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
		7.4020 - CLAMP, AMMETER												
4F	6460429	@ CLAMP	1	1	1		1	1		1	1		2	1
	5134166	RETAINER				1						1		
		@ NOT SERVICED; CUSTOMER TO FABRICATE.												
		7.4023 - RESISTOR, AMMETER												
	1501165	* SHUNT ASSY.											2	
		* OBSOLETE												
		7.4060 - TACHOMETER												
4G	1536865	@ TACHOMETER (C.W. ROTATION) (2500 RPM) (5658115)							1					1
	5146720	TACHOMETER+ ADAPTOR ASSY. (C.W ROTATION)(2500 RPM)		1										
4G	1549030	@ TACHOMETER (C.W. ROTATION) (2500 RPM) (1549212)				1								
	1549866	@ TACHOMETER (C.W. ROTATION) (3500 RPM) (5658119)											2	
	120392	WASHER, 1/4" PLAIN CAD. PL,(12.9190)		AR					AR					AR
	120385	WASHER, #10 FLAT (12.9190)							AR					AR
	103341	WASHER, 3/8" FLAT (12.9190)		AR					AR				AR	AR
	120217	LOCKWASHER, #10 (12.9200)		AR		AR			AR				AR	AR
	120614	NUT, #10-32 HEX. HD. (12.9120)		AR		AR			AR					
		@ NOT SERVICED; USE NUMBER IN PARENTHESES PLUS (1) 6479007 RED. BUSHING KIT.												
		7.4061 - ADAPTOR, TACHOMETER MOUNTING												
4A,G	5187601	ADAPTOR		1		1	1		1					1
	113904	SCREW, #12-24X7/16" (12.9025)		4		4	4		4					4
	106498	LOCKWASHER, #12 (12.9200)		4		4	4		4					4
		7.4063 - RETAINER, TACHOMETER												
		A RETAINER ASSY. INCLUDES MOUNTING ASSY. IN 7.4064.												
4E,G	5186851	+ RETAINER ASSY. (5148776)		1		1	1		1					1

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 559	563	565	578	581	584	590	596	597	598	600	605
		7.4063 - RETAINER, TACHOMETER (CONT'D)												
	436537	SCREW, #8-32X7/8" PAN HD. (12.9025)		3		3	3		3					3
	103341	WASHER, 3/8" FLAT (12.9190)		AR										
	106496	LOCKWASHER, #8 (12.9200)		3		3	3		3					3
	103092	NUT, #8-32 HEX. (12.9120)		3		3	3		3					3
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		7.4064 - MOUNTING, TACHOMETER												
	5193754	MOUNTING ASSY. (ANTI-VIBRATION)		3		3	3		3					3
		7.4065 - CLAMP, TACHOMETER												
	1535062	CLAMP				1								1
		7.4070 - GAGE, OIL PRESSURE (ENGINE)												
4G	1508352	GAGE (80#)	1	1	1	1	1	1		1	1	1		1
4G	1508354	GAGE (80#) (LIGHTED)											2	
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)	1	1	1	1	1	1		1				
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
4G	1508353	GAGE (200#) (7.4070)			1	1				1	1			
4G	5652502	GAGE (300#)											2	
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)			1									
	120217	LOCKWASHER, #10 (12.9200)			AR	AR				AR	AR		AR	
	120614	NUT, #10-32 HEX. HD. (12.9120)			AR	AR				AR	AR		AR	
		7.4072 - CLAMP, OIL PRESSURE GAGE												
4A	1505244	CLAMP	1	1	2	1	1	1		2	2		4	
		7.4074 - HOSE, OIL PRESSURE GAGE												
4A	5126734	HOSE, FLEX. (18"L.)									1			
4A	5114460	HOSE, FLEX. (19"L.)							1					
4A	5182881	HOSE, FLEX. (19"L.)								2				
4A	5182882	HOSE, FLEX. (20 1/2" L.)		1			1							
	5139692	HOSE, FLEX. (25"L.)				1								
4A	5125147	HOSE, FLEX. (34"L.)										1		

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 559	563	565	578	581	584	590	596	597	598	600	605
		7.4074 - HOSE, OIL PRESSURE GAGE (CONT'D)												
4A	5180056	@ HOSE, FLEX. (38"L.) (5129867 #4X88"L.)									1			
4A	5129042	HOSE, FLEX. (56"L.)												1
4A	5126735	HOSE, FLEX. (94"L.)				1								
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)												1
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)		2		2	2		1		2	2		1
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)				1								
	225810	ELBOW, 1/4"-90 DEG. INV. FL. TUBE (12.9480)									1			
	178996	TEE, 1/8" PIPE							1					
	2194797	ADAPTOR, 5/8"-18												1
	442321	CONNECTOR, 1/4" (12.9460)		1		1	1		1	2	1	1		1
	1508350	FITTING, RESTRICTION				1					1			
	5113629	FITTING, 1/8" MALE									1			
	118748	FITTING, 1/4" (12.9380)				1								1
	5114048	FITTING, 7/16"									1			
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)									1	1		1
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)		1		1	1		1					
		@ NOT SERVICED; USE STANDARD LENGTH HOSE SHOWN.												
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
	5163538	CLIP (OIL TEMPERATURE GAGE)					1							
	3291487	CLIP, 5/16"					1							
	5187979	CLIP, 3/8" (4.3045)		1										
	5177623	CLIP, 3/8"		2										
	140580	CLIP, 3/8"X3/8" (12.9630)				AR						AR		
	5153473	CLIP, 1/2"									1			
	5114551	TAG, CABLE (7.4545)				AR	AR	AR	AR	AR	AR	AR		AR
	180121	BOLT, 3/8"-16X7/8" (12.9001)				1								
	100146	BOLT, 7/16"-14X1" (12.9001)				1								
	179879	BOLT, 1/2"-13X3/4" (12.9001)		1										
	100158	BOLT, 1/2"-13X1" (12.9001)					1							
	5152148	WASHER, 3/8" FLAT (12.9190)				1								
	106263	WASHER, 7/16" FLAT (12.9190)				1								
	103343	WASHER, 1/2" FLAT (12.9190)		1										
	103321	LOCKWASHER, 3/8" (12.9200)				1								
	103322	LOCKWASHER, 7/16" (12.9200)				1								
	103323	LOCKWASHER, 1/2" (12.9200)		1			1							
		7.4077 - GAGE, OIL TEMPERATURE												
4G	6490568	GAGE (48" CAPILLARY)				1					1			
4G	6490569	GAGE (73" CAPILLARY)			1									
4G	6490571	GAGE (15' CAPILLARY)								1				

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 559	563	565	578	581	584	590	596	597	598	600	605
		7.4077 - GAGE, OIL TEMPERATURE (CONT'D)												
	120217	LOCKWASHER, #10 (12.9200)			AR	AR				AR	AR			
	120614	NUT, #10-32 HEX. HD. (12.9120)			AR	AR				AR	AR			
		7.4078 - CLAMP, OIL TEMPERATURE GAGE												
	1505244	CLAMP (7.4072)			1					1	1			
		7.4080 - GAGE, WATER TEMPERATURE												
		A GAGE INCLUDES ADAPTOR IN 7.4084.												
4G	6490560	GAGE (16 1/4" CAPILLARY)		1		1					1	1		
4G	6490561	GAGE (26" CAPILLARY)			1		1		1					1
4G	6490565	GAGE (10' CAPILLARY)						1					1	
4G	6490577	GAGE (15' CAPILLARY)								1			1	
4G	6490558	GAGE (30' CAPILLARY)	1										1	
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)					1		1					1
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
	120614	NUT, #10-32 HEX. (12.9120)	2	2	2	2	2	2		2	2	2	2	2
		7.4082 - CLAMP, WATER TEMPERATURE GAGE												
A	1505244 *	CLAMP (7.4072)	1	1	1	1	1	1		1	1	1	2	
	5114551	TAG, CABLE (7.4545)	AR	AR	AR									
		* NOT SERVICED, CUSTOMER TO FABRICATE												
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
4A	859151 *	ADAPTOR	1	1	1	1	1	1	1	1	1	1	2	1
		* OBSOLETE												
		7.4099 - MEDALLION, INSTRUMENT PANEL												
4E	1566992	MEDALLION			1	1				1	1			
4F	5175547	BRACKET (7.4020)			1					1	1			
4F	120614	NUT, #10-32 HEX. HD. (12.9120)			1					1	1			
		7.4100 - LAMP, INSTRUMENT PANEL												
	127934	BULB, 12-16V., 3 C.P. LAMP (12.9520)											5	
	6459359	SOCKET ASSY.											5	

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7.4000A INSTRUMENTS

7.4115 - SWITCH, ENGINE STARTING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 559	563	565	578	581	584	590	596	597	598	600	605
4A,D	1996097	* SWITCH	1	1	1	1	1	1	1	1	1	1	2	1
4A,D	1567238	PLATE, NAME	1	1	1	1	1		1		1	1		1

* PROCURE FROM AC DELCO.

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6008	6013	6015	6017	6019	6021	6023	6026	7041	7049	7062	7064
		7.4005 - PANEL, INSTRUMENT												
		A CLUSTER ASSY. INCLUDES CLUSTER PANEL IN 7.4005 AND ITEMS IN 7.4015, 7.4020, 7.4070, 7.4071, 7.4072, 7.4077, 7.4080 AND 7.4082.												
	1583630	@ CLUSTER ASSY.	1		1			1		1				
	1582505	@ CLUSTER ASSY.	1			1						1	1	
	1582504	@ CLUSTER ASSY.		1				1				1		
4A,D,E	1582507	PANEL, CLUSTER (INCLUDES MOUNTING IN 7.4010)IN 7.4010)	1	2	1	1								
	5127398	PANEL	1	1		1							1	
	1583552	PANEL (DUAL LIGHTED)									1			
	5131628	PANEL			1			1		1				
4F	6497188	PANEL							2					
	131979	BOLT, #8-32X3/4" (12.9001)	3	3	3	3		3		3			3	
	100715	BOLT, #8-32X7/8" (12.9001)		2				2						
	100759	BOLT, #8-32X1 1/2" (12.9001)		1				1						
	123435	BOLT, 1/4"-28X5/8" (12.9001)	4	4	4	4		4		4			4	
	120392	WASHER, 1/4" FLAT (12.9190)	4	4	4	4		4		4			4	
	106496	LOCKWASHER, #8 (12.9200)	AR	AR	AR	AR		AR		AR			AR	
	120380	LOCKWASHER, 1/4" (12.9200)	4	4	4	4		4		4			4	
	103092	NUT, #8-32 HEX. (12.9120)	3	6	6	3		6		6			3	
	121902	NUT, 1/4"-28 HEX. (12.9120)	4	4	4	4		4		4			4	
		@ NOT SERVICED; USE COMPONENTS.												
		7.4010 - MOUNTING, ANTI-VIBRATION												
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)	3	6	3	3								
		7.4013 - SUPPORT, INSTRUMENT PANEL												
	5127605	SUPPORT (RADIATOR MODELS)	1											
	5128131	SUPPORT		1	1	1		1		1			1	
	5129198	BRACKET (TORQUE CONVERTER) (7.4010)		1				1						
	179839	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4		4		4			4	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR		AR			AR	
		7.4015 - AMMETER, BATTERY CHARGING												
4G	6474062	AMMETER (60 AMP.)	1	1	1	1		1					1	
4G	6474061	AMMETER (60 AMP.)									2			
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR				AR				AR
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR				AR				AR

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 608	613	615	617	619	621	623	626	741	749	762	764
		7.4020 - CLAMP, AMMETER												
4F	6460429	@ CLAMP		1	1	1					2			1
	1505244	@ CLAMP												3
	5134166	RETAINER	1					1					1	
		@ NOT SERVICED; CUSTOMER TO FABRICATE.												
		7.4023 - RESISTOR, AMMETER												
	1501165	SHUNT ASSY.									2			
		7.4060 - TACHOMETER												
4G	1536865	@ TACHOMETER (C.W. ROTATION) (2500 RPM) (5658115)	1	1	1	1		1		1			1	
4G	1549866	@ TACHOMETER (C.W. ROTATION) (2:1 RATIO) (3500 RPM) (5658119)							1					
4G	1549265	*TACHOMETER (WITH HOURMETER) (4000 RPM) (ELECTRIC)*							1		1			
4G	6412955	* TACHOMETER (3500 RPM) (ELECTRIC)												2
5D	6407065	# KEY, TACHOMETER DRIVE (7.4420)												2
	6469746	& KEY												2
	120385	WASHER, #10 FLAT (12.9190)		AR	AR	AR		AR		AR			AR	
	103341	WASHER, 3/8" FLAT (12.9190)		AR	AR	AR		AR		AR			AR	
	120217	LOCKWASHER, #10 (12.9200)		AR	AR	AR		AR	AR	AR	AR		AR	
	120614	NUT, #10-32 HEX. HD. (12.9120)		AR	AR	AR		AR	AR	AR	AR		AR	
		@ NOT SERVICED; USE NUMBER IN PARENTHESES PLUS (1) 6479007 RED. BUSHING KIT.												
		* NOT SERVICED; USE 5657941 PLUS (1) 6469711 AND (1) 6469745												
		# USE WITH 6412955 AND 6412684												
		& USE WITH 5657941 AND 6469711												
		7.4061 - ADAPTOR, TACHOMETER MOUNTING												
4A,G	5187601	ADAPTOR		1	1	1		1		1			1	
	113904	SCREW, #12-24X7/16" (12.9025)		4	4	4		4		4			4	
	106498	LOCKWASHER, #12 (12.9200)		4	4	4		4		4			4	
		7.4062 - DRIVE UNIT, TACHOMETER												
4G	1548005	@ DRIVE UNIT (ELECTRICAL)							1		1			
4G	6412684	* DRIVE UNIT (ELECTRICAL)												2
4G	5284621	BOOT							1		1			
		* NOT SERVICED; USE 6469711 PLUS (1)												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 608	613	615	617	619	621	623	626	741	749	762	764
		7.4062 - DRIVE UNIT, TACHOMETER (CONT'D)												
		5657941 AND (1) 6469745 @ OBSOLETE												
		7.4063 - RETAINER, TACHOMETER												
		A RETAINER ASSY. INCLUDES MOUNTING ASSY. IN 7.4064.												
4E,G	**5186851**	+ RETAINER ASSY. (5148776)		1	1	1		1		1			1	
	436537	SCREW, #8-32X7/8" PAN HD. (12.9025)		3	3	3		3		3			3	
	106496	LOCKWASHER, #8 (12.9200)		3	3	3		3		3			3	
	103092	NUT, #8-32 HEX. (12.9120)		3	3	3		3		3			3	
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		7.4064 - MOUNTING, TACHOMETER												
	5193754	MOUNTING ASSY. (ANTI-VIBRATION)		3	3	3		3		3			3	
		7.4065 - CLAMP, TACHOMETER												
	1580977	@ CLAMP							1		1			1
	1535062	CLAMP							1					
		@ OBSOLETE.												
		7.4070 - GAGE, OIL PRESSURE (ENGINE)												
4G	**1508352**	GAGE (80#)	1	1	1	1		1						
4G	**1508354**	GAGE (80#) (LIGHTED)							2		2			2
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR			AR		AR			
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR			AR		AR			
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
4G	**1508353**	GAGE (200#) (7.4070)		1										
4G	**5652502**	GAGE (300#)							2		2			1
	120217	LOCKWASHER, #10 (12.9200)		AR					AR		AR			
	120614	NUT, #10-32 HEX. HD. (12.9120)		AR					AR		AR			
		7.4072 - CLAMP, OIL PRESSURE GAGE												
4A	**1505244**	CLAMP	1	2	1	1			4		4			

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6081	6131	6151	6171	6191	6211	6231	6266	7411	7491	7622	7644
		7.4074 - HOSE, OIL PRESSURE GAGE												
4A	**5182880**	HOSE, FLEX. (10 1/4" L.)			1									
4A	**5126734**	HOSE, FLEX. (18"L.)		1				1						
4A	**5114460**	HOSE, FLEX. (19"L.)		1									1	
4A	**5182882**	HOSE, FLEX. (20 1/2" L.)	1			1								
4A	**5125147**	HOSE, FLEX. (34"L.)								1				
	5135847	TUBE			1									
	5133399	TUBE (28 1/2" DEV. L.)						1						
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)			1			1						
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)	2	1		2		1		2			2	
	225810	ELBOW, 1/4"-90 DEG. INV. FL. TUBE (12.9480)		1				1						
	9409943	TEE, 1/8" PIPE			1			1						
	442321	CONNECTOR, 1/4" (12.9460)	1	1	1	1		1		2			1	
	1508350	FITTING, RESTRICTION		1				1						
	118748	FITTING, 1/4" (12.9380)										1		
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)								1				
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)	1			1							1	
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)											1	
	442336	UNION, 1/4" INV. FL. TUBE (12.9475)			1			1						
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
	5163538	CLIP (OIL TEMPERATURE GAGE)				1							1	
	140578	CLIP, 1/4"			1			1						
	5167510	CLIP, 1/4"			3									
	3291487	CLIP, 5/16"	1			1							1	
	5163529	CLIP, 5/16" (12.3060)						2						
	140580	CLIP, 3/8"X3/8" (12.9630)								AR				
	5188969	BRACKET (7.4525)			1									
	5114551	TAG, CABLE (7.4545)		AR	AR	AR								
	181333	BOLT, 5/16"-24X5/8" (12.9001)			1									
	100158	BOLT, 1/2"-13X1" (12.9001)	1			1							1	
	103320	LOCKWASHER, 5/16" (12.9200)			1									
	103323	LOCKWASHER, 1/2" (12.9200)	1			1							1	
	114493	NUT, 1/4" (12.9120)			1									
		7.4077 - GAGE, OIL TEMPERATURE												
4G	**6490568**	GAGE (48" CAPILLARY)		1										
4G	**6490571**	GAGE (15' CAPILLARY)										1		
4G	**6490572**	GAGE (30' CAPILLARY)						1						
	120217	LOCKWASHER, #10 (12.9200)		AR										
	120614	NUT, #10-32 HEX. HD. (12.9120)		AR										
		7.4078 - CLAMP, OIL TEMPERATURE GAGE												
	1505244	CLAMP (7.4072)		1										

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6081	6113	6115	6117	6119	6211	6233	6266	7411	7499	7622	7644
		7.4080 - GAGE, WATER TEMPERATURE												
		A GAGE INCLUDES ADAPTOR IN 7.4084.												
4G	**6490560**	GAGE (16 1/4" CAPILLARY)	1		1									
4G	**6490561**	GAGE (26" CAPILLARY)		1		1								
4G	**6490563**	GAGE (5' CAPILLARY)										1		
4G	**6490577**	GAGE (15' CAPILLARY)							1					
4G	**6490558**	GAGE (30' CAPILLARY)						1	2		2			1
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)		1		1								
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR			AR		AR			
	120614	NUT, #10-32 HEX. (12.9120)	2	2	2	2			4		4			
		7.4082 - CLAMP, WATER TEMPERATURE GAGE												
4A	**1505244**	* CLAMP (7.4072)	1	1	1	1			2		2			
	5161896	CLIP (7.8320)		1										
	5114551	TAG, CABLE (7.4545)						AR				AR	AR	
		* NOT SERVICED, CUSTOMER TO FABRICATE												
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
	859151	* ADAPTOR							2		2			
		* OBSOLETE												
		7.4099 - MEDALLION, INSTRUMENT PANEL												
4E	**1566992**	MEDALLION		1				1	2			1		
4F	**5175547**	BRACKET (7.4020)		1				1	2			1		
4F	**120614**	NUT, #10-32 HEX. HD. (12.9120)		1				1	2			1		
		7.4100 - LAMP, INSTRUMENT PANEL												
	127934	BULB, 12-16V., 3 C.P. LAMP (12.9520)							6		5			
	6459359	SOCKET ASSY.							6		5			
		7.4115 - SWITCH, ENGINE STARTING												
4A,D	**1996097**	* SWITCH	1	1	1	1		1	2	1	2	1	1	1
4A,D	**1567238**	PLATE, NAME	1	1	1	1		1		1			1	
		* PROCURE FROM AC DELCO.												
		7.4125 - SWITCH, OIL PRESSURE												
4G	**6463693**	SWITCH							1		1			

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 608	613	615	617	619	621	623	626	741	749	762	764
		7.4135 - BLOCK, INSTRUMENT PANEL FUSE												
4G	**1568182**	BLOCK ASSY. (INCLUDES FUSE)							1		1			
	147684	FUSE, 9 AMP. (12.9530)							AR		AR			

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7722	7866	7887	7900	7933	7999	8001	8022	8116	8233	8300	8433
		7.4005 - PANEL, INSTRUMENT												
		▪ FOR TYPE 840 USE TYPE 960.▪												
		▪ FOR TYPE 842 USE TYPE 936.▪												
		A PANEL ASSY. INCLUDES PANEL IN 7.4005 AND ITEMS IN 7.4015 THROUGH 7.4135 EXCEPT ITEMS IN 7.4115. A CLUSTER ASSY. INCLUDES CLUSTER PANEL IN 7.4005 AND ITEMS IN 7.4015, 7.4020, 7.4070, 7.4072, 7.4080 AND 7.4082.												
	6406140	PANEL			2							1		
	5127398	PANEL					1							
	6497191	# CLUSTER ASSY.												1
	1586206	@ CLUSTER ASSY.				1								
	1583630	@ CLUSTER ASSY.					1							
	1582507	PANEL, CLUSTER				1	1							
	5127015	SUPPORT				1								
	131979	SCREW, #8-32X3/4" FIL. HD. (12.9025)				3	3							
	123435	BOLT, 1/4"-28X5/8" (12.9001)					4							
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)				6								
	5121674	WASHER, BEVEL (11.1073)				6								
	120392	WASHER, 1/4" FLAT (12.9190)					4							
	106496	LOCKWASHER, #8 (12.9200)				3	3							
	120380	LOCKWASHER, 1/4" (12.9200)					4							
	103323	LOCKWASHER, 1/2" (12.9200)				6								
	103092	NUT, #8-32 HEX. (12.9120)				3	3							
	121902	NUT, 1/4"-28 HEX. (12.9120)					4							
	103028	NUT, 1/2"-20 HEX. (12.9120)				6								
		@ NOT SERVICED; USE COMPONENTS.												
		# NOT SERVICED; USE 8920568 AND FOR COMPONENTS USE INSTRUMENTS FROM A.C. ASSY. 6497181.												
		7.4010 - MOUNTING, ANTI-VIBRATION												
	5193755	MOUNTING ASSY.				3	3							
		7.4012 - COVER, INSTRUMENT PANEL												
	5127016	COVER				1								
	186676	BOLT, 1/4"-20X5/8" (12.9001)				8								
	120380	LOCKWASHER, 1/4" (12.9200)				8								
		7.4013 - SUPPORT, INSTRUMENT PANEL												
	5127582	BRACKET (EXCITER LEAD)				1								
	5127605	SUPPORT					1							
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)				1								
	132908	SCREW, #10-32X1/2" RD. HD. (12.9025)				2								

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7721	7866	7887	7900	7933	7999	8001	8022	8116	8233	8330	8433
		7.4013 - SUPPORT, INSTRUMENT PANEL (CONT'D)												
	179839	BOLT, 3/8"-16X1" (12.9001)					4							
	103341	WASHER, 3/8" FLAT (12.9190)					4							
	120217	LOCKWASHER, #10 (12.9200)				2								
	103321	LOCKWASHER, 3/8" (12.9200)					4							
	120614	NUT, #10-32 HEX. (12.9120)				2								
		7.4015 - AMMETER, BATTERY CHARGING												
	6474063	AMMETER (100 AMP.)		1					1			1		
	6474038	AMMETER (100 AMP.)			2									
4G	6474062	AMMETER (60 AMP.)				1	1				1			
4A	6474061	AMMETER (60 AMP.)												1
	120217	LOCKWASHER, #10 (12.9200)		AR	AR		AR		AR		AR	AR		AR
	120614	NUT, #10-32 HEX. (12.9120)		AR	AR		AR		AR		AR	AR		AR
		7.4020 - CLAMP, AMMETER												
4A,F	6460429	@ CLAMP		1	2	1	1		1			1		
	5134166	CLAMP									1			
	5101141	CLAMP												1
		@ NOT SERVICED; CUSTOMER TO FABRICATE.												
		7.4024 - GAGE, AIR PRESSURE												
	6463361	GAGE ASSY.											1	
		7.4060 - TACHOMETER												
4G	5138365	TACHOMETER (C.W. ROTATION) (3500 RPM)	1	1					1					
4G	1549866	@ TACHOMETER (C.W. ROTATION; 2:1) (3500 RPM) (5658119)										1		
	5138366	TACHOMETER (ELECTRIC) (3500 RPM)	1											
4G	1549265	TACHOMETER (ELECTRIC, WITH HOURMETER) (4000 RPM)			2									
4G	1536865	@ TACHOMETER (C.W. ROTATION, 1:1 RATIO) (2500 RPM) (1536515)					1	1						
4G	1536900	@ TACHOMETER (C.W. ROTATION, 1:1 RATIO) (2500 RPM) (5657289)								1				
4A	5657285	TACHOMETER (INCLUDES HOURMETER) (3500 RPM)												1
	120385	WASHER, #10 FLAT (12.9190)					2							
	103341	WASHER, 3/8" FLAT (12.9190)					2							

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 772	786	787	790	793	799	801	802	816	823	830	843
		7.4060 - TACHOMETER (CONT'D)												
	120217	LOCKWASHER, #10 (12.9200)			AR		AR	AR		AR		AR		AR
	120614	NUT, #10-32 HEX. (12.9120)			AR		AR			AR		AR		AR
	1535393	NUT, WING #10-32						2						
		@ NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS (1) 6479007 RED. BUSHING KIT.												
		7.4061 - ADAPTOR, TACHOMETER MOUNTING												
4G	5187601	ADAPTOR (7.4005)					1							
	113904	SCREW, #12-24X7/16" (12.9025)					4							
	106498	LOCKWASHER, #12 (12.9200)					4							
		7.4062 - DRIVE UNIT, TACHOMETER												
4G	1548005 *	DRIVE UNIT (ELECTRICAL)			1	1								
	5120762	DRIVE UNIT (ELECTRICAL)	1											
4G	5284621	BOOT				1								
	180021	BOLT, 1/4"-20X7/8" (12.9001)	2											
	120380	LOCKWASHER, 1/4" (12.9200)	2											
	120375	NUT, 1/4"-20 HEX. (12.9120)	2											
		* OBSOLETE												
		7.4063 - RETAINER, TACHOMETER												
		A RETAINER ASSY. INCLUDES MOUNTING ASSY. IN 7.4064.												
4G	5148776	RETAINER ASSY.					1							
	436537	SCREW, #8-32X7/8" (12.9010)					3							
	106496	LOCKWASHER, #8 (12.9200)					3							
	103092	NUT, #8-32 HEX. (12.9120)					3							
		7.4064 - MOUNTING, TACHOMETER												
4G	5193754	MOUNTING ASSY. (ANTI-VIBRATION)					3							
	5143563	BRACKET (ELEC. TACH. DRIVE UNIT)	1											
	5139242	SPACER	2											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1											
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)	1											
		7.4065 - CLAMP, TACHOMETER												
4F	1580977 @	CLAMP			2									
4F	1535062	CLAMP						1		1		1		1
		@ NO LONGER AVAILABLE FOR SERVICE.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 772	786	787	790	793	799	801	802	816	823	830	843
		7.4070 - GAGE, OIL PRESSURE (ENGINE)												
	5653445	GAGE (80#)	1	1					1					
	1508141	GAGE (80#)			2									
4G	**6463499**	GAGE (80#) (INCLUDES CONNECTOR)				1								1
4G	**1508352**	GAGE (80#)					1				1			
	5654136	GAGE (ELECTRIC)						1						
4G	**1508354**	GAGE (80#) (LIGHTED)										1		
	6463360	GAGE											1	
	1506251	SENDING UNIT			2									
	118748	CONNECTOR, 1/4" TUBE (12.9380)									1			
	120217	LOCKWASHER, #10 (12.9200)			AR		AR	AR			AR	AR		AR
	120614	NUT, #10-32 HEX. (12.9120)			AR		AR	AR			AR	AR		AR
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
4G	**5652502**	GAGE (330#)	1									1		
	6460464	GAGE (400#)		1					1					
	5654319	GAGE (200#)			2									
	6463500	GAGE (330#)												1
	1508816	SENDING UNIT (MARINE GEAR)			2									
	120217	LOCKWASHER, #10 (12.9200)			AR							AR		AR
	120614	NUT, #10-32 HEX. (12.9120)			AR							AR		AR
		7.4072 - CLAMP, OIL PRESSURE GAGE												
4A	**1505244**	@ CLAMP			4		1				1	2		
4A	**1501207**	@ CLAMP				1								
		@ NOT SERVICED; CUSTOMER TO FABRICATE.												
		7.4074 - HOSE, OIL PRESSURE GAGE												
4A	**5119366**	HOSE, FLEX. (11"L.)				1								
4A	**5125147**	HOSE, FLEX. (34"L.)					1							
	5109272	TUBE (DEV. L. 58")				1								
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)				1	2							
	442321	CONNECTOR, 1/4" (12.9460)				1	1							
	112877	BUSHING, 3/4"X1/4" RED. (12.9570)				1	1							
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
	5158509	CLIP, 1/4" SPL. (7.8320)				2								
	140580	CLIP (12.9630)					2							
	5182993	BRACKET (7.4525)				1								
	5160629	SPACER (4.2270)				1								

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7722	7786	7887	7900	7933	7999	8001	8022	8116	8233	8300	8433
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE (CONT'D)												
	5114551	TAG, CABLE (7.4545)				1	1				1			
	180016	BOLT, 1/4"-20X1/2" (12.9001)				1								
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)				1								
	120380	LOCKWASHER, 1/4" (12.9200)				1								
	123390	NUT, 1/4"-20 HEX. (12.9120)				1								
		7.4080 - GAGE, WATER TEMPERATURE												
		A MECHANICAL GAGE INCLUDES ADAPTOR IN 7.4084.												
4G	6402505	GAGE (15' CAPILLARY)	1	1										
	6489062	GAGE (ELECTRIC)			2									
4G	6490563	GAGE				1								
4G	6490560	GAGE (16 1/4" CAPILLARY)					1							
	6401256	GAGE (ELECTRIC)						1						
4G	6402506	GAGE (30' CAPILLARY)							1					
4G	6490561	GAGE (26" CAPILLARY)									1			
4G	6490558	GAGE (30' CAPILLARY)										1		
4G	6490347	GAGE (96" CAPILLARY)											1	
4G	6490557	GAGE (15' CAPILLARY)												1
	120217	LOCKWASHER, #10 (12.9200)			AR	AR	AR	AR			AR	AR		AR
	120614	NUT, #10-32 HEX. HD. (12.9120)			AR	AR	AR	AR			AR	AR		AR
		7.4082 - CLAMP, WATER TEMPERATURE GAGE												
4A	1501207	@ CLAMP (7.4072)				1								
4A	1505244	@ CLAMP (7.4072)					1				1	1		
	5114551	TAG, CABLE (7.4545)											1	
		@ NOT SERVICED; CUSTOMER TO FABRICATE.												
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
4A	859151	* ADAPTOR	1	1		1	1		1		1	1	1	1
		* OBSOLETE												
		7.4091 - GAGE, FUEL PRESSURE												
	6463359	GAGE (80#)											1	
		7.4115 - SWITCH, ENGINE STARTING												
4A,D	1996097	* SWITCH	1		2	1	1				1	1	1	
4A,D	1567238	PLATE, NAME				1	1							
		* PROCURE FROM AC DELCO.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 772	786	787	790	793	799	801	802	816	823	830	843
		7.4125 - SWITCH, OIL PRESSURE												
4G	5100673	SWITCH				1								
4G	1508144	TRANSMITTER						1						
	2011306	ELBOW, 1/4"-45 DEG. STREET (12.9590)						1						
		7.4128 - SWITCH, WATER TEMPERATURE												
	1513355	TRANSMITTER			2									
	6400587	TRANSMITTER						1						
		7.4135 - BLOCK, INSTRUMENT PANEL FUSE												
4G	1568182	BLOCK ASSY. (INCLUDES FUSE)				1								
	147684	FUSE, 9 AMP. (12.9530)				AR								

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8444	8448	8449	8450	8454	8455	8460	8467	8468	8469	8471
		7.4005 - PANEL, INSTRUMENT											
		A PANEL ASSY. INCLUDES PANEL IN 7.4005 AND ITEMS IN 7.4015 THROUGH 7.4135 EXCEPT ITEMS IN 7.4115. A CLUSTER ASSY. INCLUDES CLUSTER PANEL IN 7.4005 AND ITEMS IN 7.4015, 7.4020, 7.4070, 7.4072, 7.4080 AND 7.4082.											
	5127398	PANEL			1		1	1			1		1
	5100116	PANEL				1							
	6497192	+ CLUSTER ASSY.	1										
	6497197	* CLUSTER ASSY.		1									
	1583630	@ CLUSTER ASSY.			1	1	1						
	1582507	PANEL, CLUSTER			1	1	1	1			1		
	131979	SCREW, #8-32X3/4" FIL. HD. (12.9025)			3	3	3	3			3		3
	123435	BOLT, 1/4"-28X5/8" (12.9001)			4	4	4	4			4		4
	120392	WASHER, 1/4" FLAT (12.9190)			4	4	4	4			4		4
	106496	LOCKWASHER, #8 (12.9200)			3	3	3	3			3		3
	120380	LOCKWASHER, 1/4" (12.9200)			4	4	4	4			4		4
	103092	NUT, #8-32 HEX. (12.9120)			3	3	3	3			3		3
	121902	NUT, 1/4"-28 HEX. (12.9120)			4	4	4	4			4		4
		@ NOT SERVICED; USE COMPONENTS.											
		+ NOT SERVICED; USE 8920569 AND FOR COMPONENTS USE INSTRUMENTS FROM A.C. ASSY. 6497192.											
		* NOT SERVICED; USE 8920572 AND FOR COMPONENTS USE INSTRUMENTS FROM A.C. ASSY. 6497197.											
		7.4013 - SUPPORT, INSTRUMENT PANEL											
	5127605	SUPPORT			1	1	1	1					
	5128131	SUPPORT									1		
	5127609	SUPPORT											1
	179839	BOLT, 3/8"-16X1" (12.9001)			4	4	4	4			4		4
	103341	WASHER, 3/8" FLAT (12.9190)			4	4	4	4					
	103321	LOCKWASHER, 3/8" (12.9200)			4	4	4	4			4		4
		7.4015 - AMMETER, BATTERY CHARGING											
4G	6474062	AMMETER (60 AMP.)			1	1	1	1			1		1
4A	6474061	AMMETER (60 AMP.)	1	2									
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR	AR			AR		AR
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR	AR	AR			AR		AR
		7.4020 - CLAMP, AMMETER											
	5101141	CLAMP	1	2	3	3	3				3		3
		7.4060 - TACHOMETER											
	5147832	TACHOMETER (C.W. ROTATION) (0-2500 RPM)								1			
4A	5657285	TACHOMETER (INCLUDES HOURMETER)	1	2									

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8444	8448	8449	8450	8454	8455	8460	8467	8468	8469	8471
		7.4060 - TACHOMETER *(CONT'D)*											
		(3500 RPM)											
	1536515	TACHOMETER (INCLUDES HOURMETER) (2500 RPM)			1	1	1				1		
	5658112	TACHOMETER (INCLUDES HOURMETER) (2500 RPM)						1				1	1
	5658119	TACHOMETER (INCLUDES HOURMETER) (3500 RPM)							1				
	120385	WASHER, #10 FLAT (12.9190)			2	2	2	2			2		2
	103341	WASHER, 3/8" FLAT (12.9190)			2	2	2	2					
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR	AR			AR	AR	AR
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR	AR	AR			AR	AR	AR
		7.4061 - ADAPTOR, TACHOMETER MOUNTING											
4G	5187601	ADAPTOR (7.4005)			1	1	1	1			1		1
	113904	SCREW, #12-24X7/16" (12.9025)			4	4	4	4			4		4
	106498	LOCKWASHER, #12 (12.9200)			4	4	4	4			4		4
		7.4063 - RETAINER, TACHOMETER											
		A RETAINER ASSY. INCLUDES MOUNTING ASSY. IN 7.4064.											
G	5148776	RETAINER ASSY.			1	1	1	1			1		1
	436537	SCREW, #8-32X7/8" (12.9010)			3	3	3	3			3		3
	106496	LOCKWASHER, #8 (12.9200)			3	3	3	3			3		3
	103092	NUT, #8-32 HEX. (12.9120)			3	3	3	3			3		3
		7.4064 - MOUNTING, TACHOMETER											
4G	5193754	MOUNTING ASSY. (ANTI-VIBRATION)			3	3	3	3			3		3
		7.4065 - CLAMP, TACHOMETER											
4F	1535062	CLAMP	1	2					1			1	
		7.4070 - GAGE, OIL PRESSURE (ENGINE)											
4G	6463499	GAGE (80#) (INCLUDES CONNECTOR)	1	2	1	1	1	1			1		1
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR			AR		AR		
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR	AR	AR			AR		AR		

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8444	8448	8449	8550	8554	8555	8600	8667	8668	8669	8711
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)											
	6463500	GAGE (330#)	1	2									
	120217	LOCKWASHER, #10 (12.9200)	AR	AR									
	120614	NUT, #10-32 HEX. (12.9120)	AR	AR									
		7.4072 - CLAMP, OIL PRESSURE GAGE											
4A	1501207	@ CLAMP @ NOT SERVICED; CUSTOMER TO FABRICATE.			1								
		7.4074 - HOSE, OIL PRESSURE GAGE											
	5122882	HOSE, FLEX. (20 1/2"L.)						1					1
	5139062	HOSE, FLEX. (25"L.)				1							
	5139692	HOSE, FLEX. (25"L.)									1		
4A	5125147	HOSE, FLEX. (34"L.)			1		1						
	9409923	ELBOW, 1/8"-90 DEG. (BRASS) (12.9590)						1			1		
	225810	ELBOW, 1/8"-90 DEG. INV. FL. TUBE (12.9590)											1
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)			2	2	2	1			1		1
	5179150	ELBOW, SPL. TWO-WAY (7.4586)									1		
	442321	CONNECTION, 1/4" (12.9460)			1	1	1	1			1		1
	443762	FITTING, 1 1/4" (12.9540)									1		
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)			1	1		1			1		1
	112877	BUSHING, 3/4"X1/4" RED. (12.9570)					1						
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)									1		
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE											
	140580	CLIP (12.9630)				1	2						
	3291487	CLIP, 5/16" (5.5200)			2						1		
	5187979	CLIP, 3/8" (4.3045)						1					1
	5163538	CLIP (OIL TEMPERATURE GAGE)									1		
	5114551	TAG, CABLE (7.4545)					1	1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)			1								1
	179879	BOLT, 1/2"-13X3/4" (12.9001)						1					
	122408	BOLT, 1/2"-13X1" (12.9001)			1						1		
	103341	WASHER, 3/8" (12.9190)			1								
	103343	WASHER, 1/2" (12.9190)						1					1
	103323	LOCKWASHER, 1/2" (12.9200)			1								
		7.4080 - GAGE, WATER TEMPERATURE A MECHANICAL GAGE INCLUDES ADAPTOR IN 7.4084.											
4G	6490560	GAGE (16 1/4" CAPILLARY)			1	1	1	1					1

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8444	8448	8449	8450	8454	8455	8460	8467	8468	8469	8471
		7.4080 - GAGE, WATER TEMPERATURE (CONT'D)											
4G	6490561	GAGE (26" CAPILLARY)									1		
4G	6490558	GAGE (30' CAPILLARY)	1	2									
	120217	LOCKWASHER, #10 (12.9200)	AR		AR						AR		
	120614	NUT, #10-32 HEX. HD. (12.9120)	AR		AR						AR		
		7.4082 - CLAMP, WATER TEMPERATURE GAGE											
	5114551	TAG, CABLE (7.4545)									1		1
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE											
4A	859151	* ADAPTOR	1								1		
		* OBSOLETE											
		7.4115 - SWITCH, ENGINE STARTING											
4A,D	1996097	* SWITCH			1	1	1	1			2		1
4A,D	1567238	PLATE, NAME			1	1	1	1			1		1
		* PROCURE FROM AC DELCO.											

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 872	873	874	875	876	881	882	883	884	885	886	887
		7.4005 - PANEL, INSTRUMENT												
		▪ FOR TYPE 842 USE TYPE 959.▪ A PANEL ASSY. INCLUDES PANEL IN 7.4005 AND ITEMS IN 7.4015 THRU 7.4135 EXCEPT ITEMS IN 7.4115. A CLUSTER ASSY. INCLUDES CLUSTER PANEL IN 7.4005 AND ITEMS IN 7.4015, 7.4020, 7.4070, 7.4072, 7.4080 AND 7.4082.												
4A,D,E	1582507	PANEL, CLUSTER (INCLUDES MTG. IN 7.4010)	2				2		2				2	
	5127398	PANEL	1			1				1	1	1	1	
	5131628	PANEL							1					
4A,D,E	1582507	PANEL, CLUSTER (INCLUDES MTG. IN 7.4010)								1	1	1		1
	5100116	PANEL												1
	131979	SCREW, #8-32X3/4" FIL. HD. (12.9010)	3				3		3	3	3	3	3	3
	123435	BOLT, 1/4"-18X5/8" (12.9001)	4				4		4	4	4	4	4	4
	100715	BOLT, #8-32X7/8" (12.9001)					2		2				2	
	100759	BOLT, #8-32X1 1/2" (12.9001)					1		1				1	
	120392	WASHER, 1/4" FLAT (12.9190)	4				4		4		4	4	4	4
	106496	LOCKWASHER, #8 (12.9200)	3				6		6	3	3	3	6	3
	120380	LOCKWASHER, 1/4" (12.9200)	4				4		4	4	4	4	4	4
	103092	NUT, #8-32 HEX. (12.9120)	9				6			9	3	3	6	3
	121902	NUT, 1/4"-28 HEX. (12.9120)	4				4		4	4	4	4	4	4
		7.4010 - MOUNTING (ANTI-VIBRATION)												
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)	6				6		6	3	3	3	6	3
		7.4013 - SUPPORT, INSTRUMENT PANEL												
	5127605	SUPPORT (RADIATOR MODELS)	1									1	1	
	5128131	SUPPORT					1		1					1
	5127609	SUPPORT (HEAT EXCHANGER MODELS)								1	1			
	5129198	BRACKET (TORQUE CONVERTER)					1		1				1	
	179839	BOLT, 3/8"-16X1" (12.9001)	4				4		4	4	4	4	4	4
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	4											
	103341	WASHER, 3/8" (12.9010)	4									4	4	
	103321	LOCKWASHER, 3/8" (12.9200)	8				4		4	4	4	4	4	4
		7.4015 - AMMETER, BATTERY CHARGING												
4G	6474062	AMMETER (60 AMP.)	1				1		1	1	1	1	1	1
4A,F	120217	LOCKWASHER, #10 (12.9200)	8				8		8	8	8	8	8	8
4A,F	120614	NUT, #10-32 HEX. (12.9120)	6				6		6	6	6	6	6	6

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8721	8731	8741	8751	8761	8811	8821	8831	8841	8851	8861	8871
		7.4020 - CLAMP AMMETER												
	5101141	CLAMP	2				5		5	3	3	3	5	3
		7.4060 - TACHOMETER												
4G	**5658116**	TACHOMETER (INCLUDES HOURMETER) (3500 RPM)	1		1									
4G	**1536803**	* TACHOMETER (INCLUDES HOURMETER) (2500 RPM)		1				1						
4G	**5658117**	TACHOMETER (INCLUDES HOURMETER) (3500 RPM)				1								
4G	**5658115**	TACHOMETER (INCLUDES HOURMETER) (2500 RPM)					1		1	1	1	1	1	1
	120385	WASHER, #10 FLAT (12.9190)		2			2		2	2	2	2	2	2
	120217	LOCKWASHER, #10 (12.9200)		2			2		2	2	2	2	2	2
	120614	NUT, #10-32 HEX. (12.9120)		2			2		2	2	2	2	2	2
		* NOT SERVICED, USE 5658112 PLUS (1) 6479007 BUSHING KIT												
		7.4061 - ADAPTOR, TACHOMETER MOUNTING												
4A,G	**5187601**	ADAPTOR	1	1			1		1	1	1	1	1	1
	113904	SCREW, #12X7/16" (12.9025)	4	4			4		4	4	4	4	4	4
	106498	LOCKWASHER, #12 (12.9200)	4	4			4		4	4	4	4	4	4
		7.4063 - RETAINER, TACHOMETER												
		A RETAINER ASSY. INCLUDES MOUNTING ASSY. IN 7.4064.												
4G	**5186851**	+ RETAINER ASSY. (5148776)	1	1			1		1	1	1	1	1	1
	436537	SCREW, #8-32X7/8" PAN HD.	3	3			3		3	3	3	3	3	3
	106496	LOCKWASHER, #8 (12.9200)	3	3			3		3	3	3	3	3	3
	103092	NUT, #8-32 HEX. HD. (12.9120)	3	3			3		3	3	3	3	3	3
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		7.4064 - MOUNTING, TACHOMETER												
4G	**5193754**	MOUNTING ASSY. (ANTI-VIBRATION)	3	3			3		3	3	3	3	3	3
		7.4065 - CLAMP, TACHOMETER												
4F	**1535062**	CLAMP			1	1	1							
	120217	LOCKWASHER, #10 (12.9200)			2	2	2							
	120614	NUT, #10-32 HEX. (12.9120)			2	2	2							

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8722	8733	8744	8755	8766	8811	8822	8833	8844	8855	8866	8877
		7.4070 - GAGE, OIL PRESSURE (ENGINE)												
4G	**6463499**	GAGE (80#)	1				1		1	1	1	1	1	1
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVETER)												
4G	**6463500**	GAGE (330#)	1				1		1				1	
	120217	LOCKWASHER, #10 (12.9200)							2				2	
	120614	NUT, #10-32 HEX. HD. (12.9120)							2				2	
		7.4074 - HOSE, OIL PRESSURE GAGE												
	1508350	FITTING, RESTRICTION					1		1				1	
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)								1				
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)	1				1		1		1	1	1	1
	442336	UNION, 1/4" INV. FL. TUBE (12.9475)							1					
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
	140580	CLIP (12.9630)	3				1							
	140578	CLIP (12.9630)							1	1				
	5163538	CLIP (OIL TEMPERATURE GAGE)										1	1	1
	5161896	CLIP, 3/16" (7.8320)					1							
	5163529	CLIP, 5/16" (12.3060)							2					
	3291487	CLIP, 5/16" (5.5200)										1		
	5187979	CLIP, 3/8" (4.3045)									1			
	5114551	TAG, CABLE (7.4545)	AR				AR		AR		AR	AR	AR	AR
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1											
	100146	BOLT, 7/16"-14X1" (12.9001)	1											
	179879	BOLT, 1/2"-13X3/4" (12.9001)									1			
	5152148	WASHER, 3/8" FLAT (12.9190)	1											
	106263	WASHER, 7/16" FLAT (12.9190)	1											
	103343	WASHER, 1/2" FLAT (12.9190)									1			
	103321	LOCKWASHER, 3/8" (12.9200)	1											
	103322	LOCKWASHER, 7/16" (12.9200)	1											
		7.4077 - GAGE, OIL TEMPERATURE												
4G	**6490572**	GAGE (30" CAPILLARY)							1					
	6490568	GAGE (48" CAPILLARY)	1				1						1	
	120217	LOCKWASHER, #10 (12.9200)					2		2				2	
	120614	NUT, #10-32 (12.9120)					2		2				2	
		7.4080 - GAGE, WATER TEMPERATURE												
		A MECHANICAL GAGE INCLUDES ADAPTOR IN 7.4084.												
4G	**6490560**	GAGE (18" CAPILLARY)	1							1	1		1	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 872	873	874	875	876	881	882	883	884	885	886	887
		7.4080 - GAGE, WATER TEMPERATURE (CONT'D)												
4G	**6490561**	GAGE (26" CAPILLARY)					1					1		1
4G	**6490558**	GAGE (30" CAPILLARY)							1					
		7.4099 - MEDALLION, INSTRUMENT PANEL												
4E	**1566992**	MEDALLION	1				1		1				1	
4F	**5175547**	BRACKET (7.4020)	1				1		1				1	
4F	**120614**	NUT, #10-32 HEX. HD. (12.9120)	1				1		1				1	
		7.4105 - SOCKET, LAMP INSTRUMENT PANEL												
	5655149	WIRE ASSY. (W/SOCKET 18.5" L.)	1											
		7.4115 - SWITCH, ENGINE STARTING												
4A,D	**1996097**	* SWITCH	1				1		1	1	1	1	1	1
4A,D	**1567238**	PLATE, NAME	1				1		1	1	1	1	1	1

* PROCURE FROM AC DELCO.

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8888	8890	8993	9118	9928	9334	9336	9338	9551	9552	9559	9560
		7.4005 - PANEL, INSTRUMENT												
		▪ FOR TYPE 953 USE TYPE 951.▪ ▪ FOR TYPE 954 USE TYPE 952.▪ A PANEL ASSY. INCLUDES PANEL IN 7.4005 AND ITEMS IN 7.4015 THRU 7.4135 EXCEPT ITEMS IN 7.4115. A CLUSTER ASSY. INCLUDES CLUSTER PANEL IN 7.4005 AND ITEMS IN 7.4015, 7.4020, 7.4070, 7.4072, 7.4080 AND 7.4082.												
	5131628	PANEL			1									
4A,D,E	**1582507**	PANEL, CLUSTER (INCLUDES MTG. IN 7.4010)	1	1	1									
	5100116	*PANEL*	1	1										
	6497188	PANEL							1					
	8920569	KIT, INSTRUMENT PANEL									1			
	6497191	@ PANEL ASSY. (COMPLETE)							1					
	8920568	KIT, INSTRUMENT PANEL										1	1	
	131979	SCREW, #8-32X3/4" FIL. HD. (12.9010)	3	3	3									
	123435	BOLT, 1/4"-18X5/8" (12.9001)	4	4	4									
	120392	WASHER, 1/4" FLAT (12.9190)			4									
	106496	LOCKWASHER, #8 (12.9200)	3	3	3									
	120380	LOCKWASHER, 1/4" (12.9200)	4	4	4									
	103092	NUT, #8-32 HEX. (12.9120)	3	3	3									
	121902	NUT, 1/4"-28 HEX. (12.9120)	4	4	4									
		@ NOT SERVICED; USE 8920568 AND FOR COMPONENTS USE INSTRUMENTS FROM A.C. ASSY. 6497191.												
		7.4010 - *MOUNTING (ANTI-VIBRATION)*												
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)	3	3										
		7.4013 - SUPPORT, INSTRUMENT PANEL												
	5127605	SUPPORT (RADIATOR MODELS)	1											
	5128131	SUPPORT			1									
	5127609	SUPPORT (HEAT EXCHANGER MODELS)		1										
	179839	BOLT, 3/8"-16X1" (12.9001)	4	4	4									
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4									
		7.4015 - AMMETER, BATTERY CHARGING												
4G	**6474062**	AMMETER (60 AMP.)	1	1	1			2		1				
	6474038	AMMETER, W/CLAMP (0-100)							1		1		1	
4G	**6474061**	AMMETER (60 AMP.)					1							
	1502864	* INDICATOR												
4A,F	**120217**	LOCKWASHER, #10 (12.9200)	8	8	8						10			
4A,F	**120614**	NUT, #10-32 HEX. (12.9120)	6	6	6						10			
		* OBSOLETE.												
		7.4020 - CLAMP AMMETER												
	5101141	CLAMP	3	3	3	4			3				1	
	120217	LOCKWASHER, #10 (12.9120)							4				2	
	120614	NUT, #10-32 HEX. (12.9120)							4				2	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8888	8890	8993	9188	9288	9334	9336	9338	9511	9522	9599	9600
		7.4024 - GAGE, AIR PRESSURE												
	6463361	GAGE (150 PSI)					1							
		7.4060 - TACHOMETER												
4G	**5658115**	TACHOMETER (INCLUDES HOURMETER) (2500 RPM)	1	1	1									
	5657941	TACHOMETER, W/CLAMP						2		1				
	5658119	TACHOMETER (CW) (INCLUDES HOURMETER)				1			1				1	
	5147832	TACHOMETER & ADAPTOR ASSY. (R.H.) (3500 RPM)												1
	120385	WASHER, #10 FLAT (12.9190)	2	2	2									
	120217	LOCKWASHER, #10 (12.9200)	2	2	2				2					2
	120614	NUT, #10-32 HEX. (12.9120)	2	2	2				2					2
		7.4061 - ADAPTOR, TACHOMETER MOUNTING												
4A,G	**5187601**	ADAPTOR	1	1	1									
	5123740	ADAPTOR												1
	179857	BOLT, 7/16"-14X7/8" (12.9001)												1
	122408	BOLT, 1/2"-13X1 1/8" (12.9001)												4
	113904	SCREW, #12X7/16" (12.9025)	4	4	4									
	106498	LOCKWASHER, #12 (12.9200)	4	4	4									
	103323	LOCKWASHER, 1/2" (12.9200)												4
		7.4062 - DRIVE UNIT, TACHOMETER												
	6469711	DRIVE UNIT (ELECTRICAL)						1		1				
	6469745	KEY, TACHOMETER DRIVE						1		1				
	6469746	KEY, TACHOMETER DRIVE						1		1				
		7.4063 - RETAINER, TACHOMETER												
		A RETAINER ASSY. INCLUDES MOUNTING ASSY. IN 7.4064.												
4G	**5186851**	+ RETAINER ASSY. (5148776)	1	1	1									
	436537	SCREW, #8-32X7/8" PAN HD.	3	3	3									3
	106496	LOCKWASHER, #8 (12.9200)	3	3	3									3
	103092	NUT, #8-32 HEX. HD. (12.9120)	3	3	3									3
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		7.4064 - MOUNTING, TACHOMETER												
4G	**5193754**	MOUNTING ASSY. (ANTI-VIBRATION)	3	3	3									3
		7.4065 - CLAMP, TACHOMETER												
4F	**1535062**	CLAMP				1			1				1	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8888	8890	8933	9118	9288	9334	9336	9338	9511	9522	9559	9600
		7.4070 - GAGE, OIL PRESSURE (ENGINE)												
4G	6463499	GAGE (80#)	1	1	1	1							1	
4G	6463360	GAGE (120#)					1							
	6460621	GAGE, W/CLAMP (80#)								1				
	6464110	GAGE, W/CLAMP (80#)						2						
	6463913	@ GAGE (80#)							1					
	6461967	SENDING UNIT						1						
	6460032	SENDING UNIT								1				
		@ INCLUDES 1503496 CLAMP IN 7.4072.												
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
	6464111	GAGE, W/CLAMP (300#)						2						
	6460627	GAGE, W/CLAMP (300#)								1				
	6463500	GAGE, W/CLAMP (450#)				1			1				1	
	6463663	SENDING UNIT						1						
	6463538	SENDING UNIT								1				
	125620	CONNECTOR, 1/4" FL. TUBE (12.9380)				1								
		7.4072 - CLAMP, OIL PRESSURE GAGE												
	5101141	CLAMP							2				2	
	120217	LOCKWASHER, #10 (12.9200)											4	
	120614	NUT, #10-32 (12.9120)											4	
		7.4074 - HOSE, OIL PRESSURE GAGE												
4A	5182880	HOSE, FLEX. (10 1/4" L.)			1									
4A	5139692	HOSE, FLEX. (25"L.)	1	1										
	5135847	TUBE (34.84" DEV. L.)			1									
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1	1										
	9409923	ELBOW, 1/8"-90 DEG. (BRASS) (12.9590)	1	1										
	9409919	ELBOW, 1/8"-45 DEG. (BRASS) (12.9390)			1									
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	1	1	1									
	9409933	TEE, 1/8" PIPE			1									
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)	1	1										
	137413	UNION, 1/4" INV. FL. TUBE (12.9475)			1									
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
	140578	CLIP (12.9630)			1									
	5163538	CLIP (OIL TEMPERATURE GAGE)	1	1										
	5167510	CLIP, 1/4" (7.8350)			2									
	3291487	CLIP, 5/16" (5.5200)	1	1										
	5188969	BRACKET (7.4525)			1									
	5114551	TAG, CABLE (7.4545)	AR		AR									
	181333	BOLT, 5/16"-24X5/8" (12.9001)			1									
	122408	BOLT, 1/2"-13X1" (12.9001)		1										
	103320	LOCKWASHER, 5/16" (12.9200)			1									

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8888	8890	8993	9118	9288	9334	9336	9338	9511	9522	9599	9600
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE (CONT'D)												
	103323	LOCKWASHER, 1/2" (12.9200)	1	1										
	114493	NUT, 1/4" (12.9120)			1									
		7.4080 - GAGE, WATER TEMPERATURE												
		A MECHANICAL GAGE INCLUDES ADAPTOR IN 7.4084.												
4G	6490557	GAGE (15" CAPILLARY)											1	
4G	6490560	GAGE (18" CAPILLARY)		1	1									
4G	6490561	GAGE (26" CAPILLARY)	1											
4G	6490964	GAGE (30" CAPILLARY)							1					
4G	6490347	GAGE (96" CAPILLARY)					1							
4G	6402619	GAGE, W/CLAMP								1				
4G	8992214	GAGE, W/CLAMP						2						
		7.4082 - CLAMP, WATER TEMPERATURE GAGE												
	5101141	CLAMP							1				1	
	120217	LOCKWASHER, #10							2				2	
	120614	NUT, #10-32 HEX.							2				2	
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
	859151	* ADAPTOR							2					
		* OBSOLETE												
		7.4105 - SOCKET LAMP, INSTRUMENT PANEL												
	5655149	WIRE ASSY.				6		10		5			6	
	8920580	SOCKET & WIRE ASSY.									1	1		
		7.4115 - SWITCH, ENGINE STARTING												
4A,D	1996097	* SWITCH	1	1	1	1		1			1	1	1	
4A,D	1567238	PLATE, NAME	1	1	1			1						
		* PROCURE FROM AC DELCO.												
		7.4128 - SWITCH, WATER TEMPERATURE												
	1513462	TRANSMITTER						1		1				

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9	6	1
		7.4005 - PANEL, INSTRUMENT			
	5135289	PANEL	1		
	1582507	PANEL, CLUSTER (INCLUDES MTG. IN 7.4010)	1		
	8925519	BOLT, 1/4"-28X.625" W/SEALANT (12.9001)	4		
	179837	BOLT, 3/8"-16X3/4" (12.9001)	4		
	131979	SCREW, #8-32X3/4" (12.9010)	3		
	106496	LOCKWASHER, #8 (12.9200)	3		
	103319	LOCKWASHER, 1/4" (12.9200)	4		
	103321	LOCKWASHER, 3/8" (12.9200)	4		
	103092	NUT, #8-32 (12.9120)	3		
	121902	NUT, 1/4"-28 (12.9120)	4		
		7.4010 - MOUNTING (ANTI-VIBRATION)			
	5193755	MOUNTING ASSY (ANTI-VIBRATION)	3		
		7.4015 - AMMETER BATTERY CHARGING			
	6474062	AMMETER ASSY.	1		
	120217	LOCKWASHER, #10 (12.9200)	2		
	120614	NUT, #10-32 (12.9120)	2		
		7.4020 - CLAMP, AMMETER			
	5101141	CLAMP	1		
		7.4060 - TACHOMETER			
		A TACHOMETER AND ADAPTOR ASSY. INCLUDES ITEMS IN 7.4060, 7.4061 AND 7.4063 PLUS 6478819 SHAFT ASSY. IN 7.44 05.			
	5146720	TACHOMETER AND ADAPTOR ASSY. (INCLUDES HOURMETER) (C.C.W.) (2500 R.P.M.)	1		
	5658113	TACHOMETER (INCLUDES HOURMETER) (C.C.W.) (2500 R.P.M.)	1		
	120392	WASHER, 1/4" (12.9190)	2		
	120217	LOCKWASHER, #10 (12.9200)	2		
	120614	NUT, #10-32 (12.9120)	2		
		7.4061 - ADAPTOR, TACHOMETER MOUNTING			
	5123740	ADAPTOR	1		
		7.4063 - RETAINER, TACHOMETER			
		A RETAINER ASSY. INCLUDES MOUNTING ASSY. IN 7.4064.			
	5148776	RETAINER ASSY.	1		
	436537	SCREW, #8-32X7/8" (12.9010)	3		
	106496	LOCKWASHER, #8 (12.9200)	3		
	103092	NUT, #8-32 (12.9200)	3		

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9 6 1
		7.4064 - MOUNTING, TACHOMETER	
	5193754	MOUNT (ANTI-VIBRATION)	3
		7.4070 - GAGE, OIL PRESSURE (ENGINE)	
	6493499	GAGE (80#)	1
		7.4072 - CLAMP, OIL PRESSURE GAGE	
	8921716	BRACKET (7.4015)	1
	120217	LOCKWASHER, #10 (12.9200)	2
	120614	NUT, #10-32 (12.9120)	2
		7.4074 - HOSE, OIL PRESSURE GAGE	
	8924213	ELBOW, 90 DEG. 1/8" (12.9590)	1
	8924142	BUSHING, 1/4"X1/8" RED PIPE (12.9570)	1
	187394	COUPLING, 1/8"X13/16" (12.9580)	1

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7.4000A INSTRUMENT (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2352	5585	6026	6610	8088
		7.4005 - PANEL, INSTRUMENT (TWIN AND QUAD)					
		A PANEL ASSY. INCLUDES PANEL IN 7.4005 PLUS ITEMS IN 7.4015, 7.4020, 7.4060, 7.4065, 7.4070, 7.4071, 7.4072, 7.4080, 7.4082 AND 7.4100.					
	1583457	PANEL ASSY. (MECHANICAL)	1			1	
	6497195	PANEL ASSY. (ELECTRIC)		2			
	6405710	+ PANEL ASSY. (DUAL MECHANICAL)				1	
	1583553	PANEL, MOUNTING	1			1	
	8920581	PANEL		2			
	1583552	PANEL				1	
		+ NOT SERVICED; USE COMPONENTS.					
		7.4015 - AMMETER, BATTERY CHARGING (TWIN AND QUAD)					
4G	**6474062**	AMMETER (60 AMP.)	1	2		3	
4F	**120217**	LOCKWASHER, #10 (12.9200)	2	4		6	
4F	**120614**	NUT, #10-32 (12.9120)	4	8		12	
		7.4020 - CLAMP, AMMETER (TWIN AND QUAD)					
4F	**6460429**	* CLAMP	1	2		3	
		* NOT SERVICED; CUSTOMER TO FABRICATE.					
		7.4060 - TACHOMETER (TWIN AND QUAD)					
4G	**5136600**	TACHOMETER (ELECTRIC) (2000 RPM)			2		
4G	**1548430**	TACHOMETER (C.W. ROTATION) (1000 RPM)	1			1	
	1549866	* TACHOMETER (C.W. ROTATION) (2:1 RATIO) (3500 RPM) (5658119)				2	
	1549265	TACHOMETER (INCLUDES HOURMETER) (3500 RPM)		2			
4F	**120217**	LOCKWASHER, #10 (12.9200)	AR	AR		AR	
4F	**120614**	NUT, #10-32 (12.9120)	AR	AR		AR	
		* *NOT SERVICED; USE PART NUMBER* SHOWN IN PARENTHESES PLUS (1) 6479007 RED. BUSHING KIT.					
		7.4062 - DRIVE UNIT, TACHOMETER (TWIN AND QUAD)					
4G	**1548005**	* DRIVE UNIT (ELECTRICAL)		2			
4G	**5284621**	BOOT		2			
		* OBSOLETE.					

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7.4000A INSTRUMENT (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2321	5852	6026	6610	8088
		7.4065 - CLAMP, TACHOMETER (TWIN AND QUAD)					
4F	1535062	CLAMP	1				
	1580977	* CLAMP		2			
	1535062	CLAMP				3	
		* NO LONGER AVAILABLE FOR SERVICE.					
		7.4070 - GAGE, OIL PRESSURE (ENGINE) (TWIN AND QUAD)					
4G	1508354	GAGE (80#) (LIGHTED)	2	2		4	
	6463504	GAGE (120)			3		
	1506502	GAGE (ELECTRIC, 32V.)			2		
4F	120217	LOCKWASHER, #10 (12.9200)	4	4		8	
	120614	NUT, #10-32 HEX. (12.9120)	4	4		8	
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR) (TWIN AND QUAD)					
4G	5652502	GAGE (300#)	1	2		2	
	1508355	GAGE (200#)				1	
4F	1511696	* LOCKWASHER, #10 (7.4080)	2				
	120217	LOCKWASHER, #10 (12.9200)		4		6	
4F	120614	NUT, #10-32 HEX. (12.9120)	2	4		6	
		* OBSOLETE.					
		7.4072 - CLAMP, OIL PRESSURE GAGE (TWIN AND QUAD)					
4F	1505244	+ CLAMP	3	2		5	
		+ NOT SERVICED; CUSTOMER TO FABRICATE.					
		7.4074 - TUBE, OIL PRESSURE GAGE (TWIN AND QUAD)					
	5118781	HOSE (FLEX.) (3/16"I.D.X11 3/16") (5.1003)	3				
	9409931	ELBOW, 1/8" STREET (12.9590)	3				
	442336	UNION, 1/4" INV. FL. TUBE (12.9475)	1				
	1508350	FITTING, RESTRICTION	2				
	112877	BUSHING, 1/4"-1/8" RED. PIPE (12.9570)	2				
	179735	BUSHING, 3/4"X1/8" RED. PIPE (12.9570)			2		
		7.4080 - GAGE, WATER TEMPERATURE (TWIN AND QUAD)					
		INCLUDES ADAPTOR IN 7.4084.					
4G	6490561	GAGE (25" CAPILLARY)	2				
4G,E	6490558	GAGE (30" CAPILLARY)		2		2	

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7.4000A INSTRUMENT (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2 3 2	5 8 5	6 0 2	6 1 0	8 0 8
		7.4080 - GAGE, WATER TEMPERATURE (TWIN AND QUAD) (CONT'D)					
	6490552	GAGE			2		
4G,E	6490557	GAGE (15% CAPILLARY)				2	
	5114551	TAG, CABLE (7.4545)	4				
4F	120217	LOCKWASHER, #10 (12.9200)	4	4		8	
4F	120614	NUT, #10-32 HEX. (12.9120)	4	4		8	
		7.4082 - CLAMP, WATER TEMPERATURE GAGE (TWIN AND QUAD)					
4A,F	1505244	CLAMP (7.4072)	2	2		4	
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE (TWIN AND QUAD)					
4A	859151	* ADAPTOR * *OBSOLETE.*	2	2		4	
		7.4100 - LAMP, INSTRUMENT PANEL (TWIN AND QUAD)					
	127934	BULB, 12-16V. LAMP (12.9520)	4	6		9	
	6459359	CABLE ASSY., LAMP BULB (SINGLE SOCKET)	4	6		9	
		7.4115 - SWITCH, ENGINE STARTING (TWIN AND QUAD)					
4A,D,G	1996097	* SWITCH (2 POST) * PROCURE FROM AC DELCO.	2	2	2	4	
		7.4125 - SWITCH, OIL PRESSURE (TWIN AND QUAD)					
4G	1507359	SWITCH (5# MAKE)		2			1
		7.4128 - SWITCH, WATER TEMPERATURE (TWIN AND QUAD)					
4G	1513355	TRANSMITTER			2		
		7.4135 - BLOCK, INSTRUMENT PANEL FUSE (TWIN AND QUAD)					
4G	1568182	BLOCK ASSY. (INCLUDES FUSE)		2			

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	10	11	23	24	25	26	46	47	115	131	135
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEX FLEXIBLE												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.												
5A	**1536316**	SHAFT ASSY. (5')			1									
5A	**1536033**	SHAFT ASSY. (3 3/4")							1					
5A	**1569669**	SHAFT ASSY. (15')								2				
5A	**1569668**	SHAFT ASSY. (10')									1			
5A	**1568956**	SHAFT ASSY. (40")		1										
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE												
	1535514	CABLE ASSY. (39 3/8")		1										
5A	**1535530**	CABLE ASSY. (59 3/8")			1									
5A	**1569106**	CABLE ASSY. (179 3/8")								2				
5A	**1561330**	CABLE ASSY. (119 3/8")									1			
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.												
	5177623	CLIP (2.5120)			2									
	103341	WASHER, 3/8" FLAT (12.9190)			2									
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE												
		INCLUDES ITEMS IN 7.4432.												
5B	**5102582**	ADAPTOR (DOUBLE OUTLET, L.H., 1.250 RATIO)				1								
5B	**1565185**	ADAPTOR (90 DEG. R.H., 1:.250 RATIO)					1							
5B	**5102581**	ADAPTOR (90 DEG. R.H., 1:.250 RATIO)						1						
5B	**1565170**	ADAPTOR (90 DEG. R.H., 1:1 RATIO)										1		
5B	**5107383**	ADAPTOR (90 DEG. L.H., 1:.250 RATIO) (CHANGES ROTATION)												1
5B	**1565168**	ADAPTOR (90 DEG. L.H., 1:1 RATIO) (CHANGES ROTATION)			1									
5B	**6478641**	KEY			1	1	1	1				1		1
	849330	CAP (7.4457)										1		1
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
5B	**1582724**	* PLUG				AR	AR	AR				AR		AR
5B	**191758**	FITTING, 1/8" LUBE (12.9540)				1	1	1				1		1
5B	**178779**	FITTING, RELIEF VALVE (12.9540)				1	1	1				1		1

* OBSOLETE.

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	10	11	23	24	25	26	46	47	115	131	135
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
5B	**3224992**	SHAFT	1	1								1		
5C	**5188558**	SHAFT ASSY.				1	1	1						
5D	**5158289**	SHAFT (7.4457)							1					
5C	**5155861**	SHAFT ASSY.			1								1	
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL												
5B	**5155818**	SLINGER			1	1	1	1	1				1	
		7.4445 - COVER, TACHOMETER DRIVE												
5C	**5125153**	COVER ASSY. (INCLUDES SEAL IN 7.4450)	1	1								1		
5D	**5124240**	COVER ASSY. (INCLUDES SEAL IN 7.4450)							1					
5B	**5168555**	COVER ASSY.							1					
	5123118	COVER ASSY. (INCLUDES STUDS)			1								1	
5B	**5155854**	STUD (5/16"-24X1 1/32")							2				2	
	179858	BOLT, 7/16"-14X1" (12.9001)		1					1			1		
	179882	BOLT, 1/2"-14X1 1/8" (12.9001)		4					4			4		
		7.4450 - SEAL, TACHOMETER DRIVE COVER												
5C,D	**3202615**	SEAL	1		1				1				1	
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
5B	**5135935**	GASKET			1	1	1	1					1	
		7.4457 - ADAPTOR, TACHOMETER DRIVE												
5B	**5155819**	ADAPTOR (1.34")			1	1	1	1					1	
	849330	CAP				1	1	1					1	
5B	**179816**	BOLT, 5/16"-18X3/4" (12.9001)				2	2	2						
	5107931	WASHER, 5/16"											1	
	103320	LOCKWASHER, 5/16" (12.9200)			2	2	2	2					2	
5B	**114493**	NUT, 5/16"-24 HEX. (12.9120)			2								2	

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	161	175	182	188	190	191	193	194	198	206	209
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.												
5A	**1568956**	SHAFT ASSY. (40")											1	
5A	**1536316**	SHAFT ASSY. (5')						1						
5A	**1569669**	SHAFT ASSY. (15')		2										
5A	**1535103**	SHAFT ASSY. (72")					1							
	846430	ADAPTOR (COUPLING)		1										
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE												
5A	**1535514**	CABLE ASSY. (39 3/8")											1	
5A	**1535530**	CABLE ASSY. (59 3/8")						1						
5A	**1569106**	CABLE ASSY. (179 3/8")		2										
5A	**1535519**	CABLE ASSY. (72")					1							
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.												
	5177623	CLIP (2.5120)					2	2						
	103341	WASHER, 3/8" FLAT (12.9190)					2	2						
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE												
		INCLUDES ITEMS IN 7.4432.												
5B	**1565170**	ADAPTOR (90 DEG. R.H., 1:1 RATIO)												1
5B	**5107383**	ADAPTOR (90 DEG. L.H., 1:.250 RATIO) (CHANGES ROTATION)			1	1					1			
5B	**1566827**	ADAPTOR (90 DEG. L.H., 1:.500 RATIO) (CHANGES ROTATION)	1						1					
5B	**1565168**	ADAPTOR (90 DEG. L.H., 1:1 RATIO) (CHANGES ROTATION)					1	1		1				
5B	**5102580**	ADAPTOR (90 DEG. L.H., 1:.500 RATIO) (DOUBLE OUTLET) (CHANGES ROTATION)										1		
5B	**6478641**	KEY	1		1	1	1	1	1	1		1		1
	1585564	KEY AND SEAL ASSY.			1						1			
	849330	CAP (7.4457)	1											
	5226186	GASKET (2.1140)			1									

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	161	175	182	188	190	191	193	194	198	206	209
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
5B	1582724	* PLUG	AR		AR	AR	AR	AR	AR		AR	AR		
5B	191758	FITTING, 1/8" LUBE (12.9540)	1		1	1	1	1	1		1	1		
5B	178779	FITTING, RELIEF VALVE (12.9540)	1		1	1	1	1	1		1	1		
		* OBSOLETE.												
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
5B	3224992	SHAFT							1			1		
5C	5188558	SHAFT ASSY.			1									
5C	5155861	SHAFT ASSY.					1	1	1	1				1
5C	5117299	* SHAFT ASSY.				1								
5B	5123863	SHAFT									1			
		* NOT SERVICED, USE (1) 5100669 & (1) 5146049.												
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL												
5B	5155818	SLINGER	1		1		1	1		1				1
		7.4445 - COVER, TACHOMETER DRIVE												
5C	5125153	COVER ASSY. (INCLUDES SEAL IN 7.4450)							1			1		
5B	5168555	COVER ASSY.			1									
	5123118	COVER ASSY. (INCLUDES STUDS)					1	1		1				1
5B	5123267	+ COVER ASSY.									1			
	5103039	COVER									1			
5B	5155854	STUD (5/16"-24X1 1/32")					2	2		2				2
	179837	BOLT, 3/8"-16X3/4" (12.9001)									2			
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)									4			
	179858	BOLT, 7/16"-14X1" (12.9001)								1				1
	179882	BOLT, 1/2"-14X1 1/8" (12.9001)								4				4
	5150568	WASHER, 7/16" FLAT COPPER (12.9190)								1				1
	103321	LOCKWASHER, 3/8" (12.9200)									2			
	103323	LOCKWASHER, 1/2" (12.9200)								1				1
		+ NOT SERVICED, USE COMPONENTS.												
		7.4450 - SEAL, TACHOMETER DRIVE COVER												
5C,D	3202615	SEAL			1				1			1		
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
5B	5135935	GASKET			1		1	1		1				1
5B	5190566	GASKET (2.3490)				1								
5C,D	5117061	GASKET (COVER) (1.5040)								1				1

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	161	175	182	188	190	191	193	194	198	206	209
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR (CONT'D)												
5B	**5104507**	GASKET (1.5040)									1			
		7.4457 - ADAPTOR, TACHOMETER DRIVE												
5B	**5155819**	ADAPTOR (1.34")			1		1	1		1				1
5B	**5117298**	ADAPTOR (1.64")				1								
	849330	CAP								1				1
	5107931	WASHER, 5/16" (7.4850)								1				1
	103320	LOCKWASHER, 5/16" (12.9200)			2		2	2		2				2
5B	**114493**	NUT, 5/16"-24 HEX. (12.9120)			2		2	2		2				2

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 211	212	213	215	219	220	230	233	234	235	236	238
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.												
5A	**1536316**	SHAFT ASSY. (60")	1											
5A	**849539**	* SHAFT ASSY. (90")					1							
		* SOLD ONLY AS AN ASSEMBLY.												
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE												
5A	**1535530**	CABLE ASSY. (59 3/8")	1											
		7.4420 - ADAPTOR, TACHOMETER DRIVE												
		INCLUDES ITEMS IN 7.4432.												
5B	**1566827**	ADAPTOR (90 DEG. L.H., 1:.500 RATIO) (CHANGES ROTATION)	1				1		1					
5B	**1565192**	ADAPTOR (90 DEG. R.H., 1:.500 RATIO)			1	1								
5B	**5107383**	ADAPTOR (90 DEG. L.H., 1:.250 RATIO) (CHANGES ROTATION)						1						
5B	**1565170**	ADAPTOR (90 DEG. R.H., 1:1 RATIO)									1			
5B	**5102582**	ADAPTOR (90 DEG. L.H., 1:.250 RATIO) (CHANGES ROTATION)											1	
5B	**1585564**	SEAL & KEY ASSY.		1									1	
5B	**6478641**	KEY	1		1	1	1		1	1	1	1		
	5104438	KEY						1						
	849330	CAP (7.4457)	1		1	1		1	1					
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
5B	**1582724**	* PLUG	1		1	1	1	1	1		1		1	
5B	**191758**	FITTING, 1/8" LUBE (12.9540)	1		1	1	1	1	1		1		1	
5B	**178779**	FITTING, RELIEF VALVE (12.9540)	1		1	1	1	1	1		1		1	
		* OBSOLETE.												
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
5D	**5117299**	@ SHAFT ASSY.	1			1			1					
5D	**5155861**	SHAFT ASSY.		1										

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 211	212	213	215	219	220	230	233	234	235	236	238
		7.4435 - SHAFT, TACHOMETER DRIVE (CONT'D)												
5D	**5117753**	* SHAFT ASSY.					1	1		1				
5C	**3224992**	SHAFT			1							1		
5C	**5123863**	SHAFT											1	1
		* NOT SERVICED, USE (1) 5103335 & (1) 5146049.												
		@ NOT SERVICED, USE (1) 5100669 & (1) 5146049.												
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL												
5D	**5155818**	SLINGER	1	1		1	1	1	1	1	1			
		7.4445 - COVER, TACHOMETER DRIVE												
5B	**5123118**	COVER ASSY. (INCLUDES STUD)		1										
5B	**5125153**	* COVER ASSY.			1							1		
	5123439	@ COVER							1					
5B	**5103039**	COVER											1	1
5B	**5155854**	STUD, 5/16"-24 X 1 1/32" (7.4445)		2										
5B	**5104506**	GASKET (1.5040)										1		
5B	**5104507**	GASKET (1.5040)											1	1
	180120	BOLT, 3/8"-16X3/4" (12.9001)											2	2
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)											4	4
	179858	BOLT, 7/16"-14X1" (12.9001)		1	1							1		
	179882	BOLT, 1/2"-14X1 1/8" (12.9001)		4	4							4		
	103321	LOCKWASHER, 3/8" (12.9200)											AR	AR
		* INCLUDES SEAL IN 7.4450.												
		@ NOT SERVICED SEPARATELY; PART OF COVER KIT IN 3.4180.												
		7.4450 - SEAL, TACHOMETER DRIVE COVER												
	3202615	SEAL			1							1		
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
5B	**5190566**	GASKET (2.3050)	1	1		1	1	1	1	1				
5B	**5135935**	GASKET		1										
5B	**5123123**	GASKET									1			
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER												
5B	**5155819**	ADAPTOR (1.34")		1										
5B	**5122635**	ADAPTOR (1.55")									1			
5B	**5117298**	ADAPTOR (1.64")	1			1	1		1					
5B	**5117757**	ADAPTOR (3.64")						1		1				
	849330	CAP	1	1			1			1	1			

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 211	212	213	215	219	220	230	233	234	235	236	238
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER (CONT'D)												
5B	186625	BOLT, 5/16"-18X7/8" (12.9001)									2			
	103320	LOCKWASHER, 5/16" (12.9200)		2							2			
	114493	NUT, 5/16"-24 HEX. (12.9120)		2										

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2411	2422	2444	2557	2559	2560	2662	2663	2665	2666	2811
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE											
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.											
5A	**1536316**	SHAFT ASSY. (60")				1	1	1					1
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE											
5A	**1535530**	CABLE ASSY. (59 3/8")				1	1	1					
5A	**1535519**	CABLE ASSY. (72"L.)											1
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.											
	5177623	CLIP (2.5120)				2	2	2					2
	103341	WASHER, 3/8" FLAT (12.9190)				2	2	2					2
		7.4420 - ADAPTOR, TACHOMETER DRIVE											
		INCLUDES ITEMS IN 7.4432.											
5B	**1565170**	ADAPTOR (90 DEG. R.H., 1:1 RATIO)				1		1					
5B	**1565185**	ADAPTOR (90 DEG. R.H., 1:.250 RATIO)		1	1		1						
5B	**1581086**	ADAPTOR (DOUBLE OUTLET, R.H., 1:.500 RATIO)							1				
5B	**5102580**	ADAPTOR (DOUBLE OUTLET, L.H., 1:.500 RATIO) (CHANGES ROTATION)								1			
5B	**1565564**	SEAL & KEY ASSY.		1	1								
5B	**6409017**	SEAL & KEY ASSY.										1	
5B	**6478641**	KEY	1			1	1	1	1	1			
	849330	CAP (7.4457)							1	1		1	
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING											
5B	**1582724**	* PLUG		1	1	1	1	1	1	1			
5B	**191758**	FITTING, 1/8" LUBE (12.9540)		1	1	1	1	1	1	1			
		* OBSOLETE.											
		7.4435 - SHAFT, TACHOMETER DRIVE											
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.											
5D	**5117299**	* SHAFT ASSY.	1										

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 241	242	244	257	259	260	262	263	265	266	281
		7.4435 - SHAFT, TACHOMETER DRIVE (CONT'D)											
5D	**5155861**	SHAFT ASSY.				1	1	1			1		
5C	**3224992**	SHAFT											1
5C	**5123863**	SHAFT		1	1							1	
5C	**5188439**	SHAFT							1	1			
		* NOT SERVICED, USE (1) 5100669 & (1) 5146049.											
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL											
5D	**5155818**	SLINGER	1			1	1	1			1		
		7.4445 - COVER, TACHOMETER DRIVE											
5B	**5123118**	COVER ASSY. (INCLUDES STUD)				1	1	1					
5B	**5125153**	* COVER ASSY.											1
	5123439	@ COVER	1										
5B	**5123267**	+ COVER ASSY.		1	1							1	
	5103039	COVER		1	1							1	
5B	**5155854**	STUD, 5/16"-24 X 1 1/32"				2	2	2					
5B	**5104506**	GASKET (1.5040)											1
5B	**5104507**	GASKET (1.5040)		1	1							1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)		2	2								
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)		4	4							4	
	179858	BOLT, 7/16"-14X1" (12.9001)											1
	179882	BOLT, 1/2"-14X1 1/8" (12.9001)											4
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR								
		* INCLUDES SEAL IN 7.4450.											
		@ NOT SERVICED SEPARATELY; PART OF COVER KIT IN 3.4180.											
		+ NOT SERVICED, USE COMPONENTS.											
		7.4450 - SEAL, TACHOMETER DRIVE COVER											
	3202615	SEAL											1
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR											
5B	**5190566**	GASKET (2.3050)	1										
5B	**5135935**	GASKET				1	1	1	1	1			
5B	**5123123**	GASKET									1		
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER											
5B	**5155819**	ADAPTOR (1.34")				1	1	1	1	1			
5B	**5122635**	ADAPTOR (1.55")									1		
5B	**5117298**	ADAPTOR (1.64")	1										

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 241	242	244	257	259	260	262	263	265	266	281
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER (CONT'D)											
	849330	CAP	1								1		
5B	**179816**	BOLT, 5/16"-18X3/4" (12.9001)							2	2			
5B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)									2		
	5107931	WASHER, 5/16"									1		
	446202	WASHER, 5/16" FLAT (COPPER) (12.9190)									2		
	103320	LOCKWASHER, 5/16" (12.9200)				2	2	2	2	2			
	114493	NUT, 5/16"-24 HEX. (12.9120)				2	2	2					

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 282	283	284	288	290	296	297	301	305	308	311	313
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.												
5A	1536316	SHAFT ASSY. (5')			1					1	1			
5A	845364	SHAFT ASSY. (4')				1								
5A	1535103	SHAFT (6')					1					1		1
		7.4408 - CABLE, TACH. DRIVE FLEXIBLE												
5A	1535530	CABLE ASSY. (59 3/8")			1					1	1			
5A	1564935	CABLE ASSY. (47 1/2")				1						1		
5A	1535519	CABLE ASSY. (72")					1							1
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.												
	5177623	CLIP (2.5120)			2	2	2			2	2	2		2
	5181325	BRACKET (4.8042)			1									
	5166565	BRACKET, CLIP (9.1591)												2
	186284	BOLT, 3/8"-24X5/8" (12.9001)												2
	181595	BOLT, 5/16"-24X3/4" (12.9001)			1									
	103341	WASHER, 3/8" FLAT (12.9190)			2	2	2			2	2	2		2
	103320	LOCKWASHER, 5/16" (12.9200)			1									
	103321	LOCKWASHER, 3/8" (12.9200)												2
	114493	NUT, 5/16"-24 HEX. (12.9120)			1									
	117049	NUT, 3/8"-24 HEX. (12.9120)												2
		7.4420 - ADAPTOR, TACHOMETER DRIVE												
		INCLUDES ITEMS IN 7.4432.												
5B	1569406	ADAPTOR, 90 DEG. R.H., 1:.250 RATIO, DOUBLE OUTLET)	1							1				
	6409160	ADAPTOR (90 DEG. L.H., 1:.250 RATIO) (CHANGES ROTATION)		1										
5B	1565168	ADAPTOR (90 DEG. L.H., 1:1 RATIO) (CHANGES ROTATION)			1									
5B	1565192	ADAPTOR (90 DEG. R.H., 1:.500 RATIO)				1	1							
5B	1565185	ADAPTOR (90 DEG. R.H., 1:.250 RATIO)						1						
5B	1581087	ADAPTOR (L.H., 1:.500 RATIO, DOUBLE OUTLET) (CHANGES ROTATION)									1			

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2 8 2	2 8 3	2 8 4	2 8 8	2 9 0	2 9 6	2 9 7	3 0 1	3 0 5	3 0 8	3 1 1	3 1 3
		7.4420 - ADAPTOR, TACHOMETER DRIVE (CONT'D)												
5B	**1581086**	ADAPTOR (R.H., 1:.500 RATIO, DOUBLE OUTLET)										1	1	
5B	**1583036**	ADAPTOR (90 DEG. R.H., 1:1 RATIO, DOUBLE OUTLET)												1
5B	**1585564**	SEAL AND KEY ASSY.	1			1	1			1				
5B	**6478641**	KEY		1	1			1			1	1	1	1
	849330	CAP (7.4457)		1				1						
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
5B	**1582724**	PLUG	1	1	1	1	1	1		1	1	1	1	1
5B	**191758**	FITTING, 1/8" LUBE (12.9540)	1	1	1	1	1	1		1	1	1	1	1
5B	**178779**	FITTING, RELIEF VALVE (12.9540)	1	1	1	1	1	1		1	1	1	1	1
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
5B	**5123863**	SHAFT	1			1	1		1		1			
5B	**5179903**	SHAFT							1					
5B	**3224992**	SHAFT									1			
5C	**5117299**	* SHAFT ASSY.		1				1						
5C	**5155861**	SHAFT ASSY.			1									1
5C	**5124330**	SHAFT ASSY.											1	
		* NOT SERVICED, USE (1) 5100669 & (1) 5146049.												
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL												
5B	**5155818**	SLINGER		1	1			1					1	1
		7.4445 - COVER, TACHOMETER DRIVE												
5B	**5123267**	+ COVER ASSY.	1			1	1					1		
	5103039	COVER	1			1	1					1		
	5123439	* COVER		1				1						
	5123118	COVER ASSY. (INCLUDES STUD)			1								1	1
5C	**5125153**	@ COVER ASSY.							1		1			
5B	**5155854**	STUD, 5/16"-24 X 1 1/32"			2								2	2
	180120	BOLT, 3/8"-16X3/4" (12.9001)	2			2	2					2		
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)	4			4	4					4		
	179858	BOLT, 7/16"-14X1" (12.9001)							1		1			
	179882	BOLT, 1/2"-14X1 1/8" (12.9001)							4		4			
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR						AR		
	103322	LOCKWASHER, 7/16" (12.9200)							1		1			

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 282	283	284	288	290	296	297	301	305	308	311	313
		7.4445 - COVER, TACHOMETER DRIVE (CONT'D)												
	103323	LOCKWASHER, 1/2" (12.9200)							4		4			
		* NOT SERVICED SEPARATELY; PART OF COVER KIT IN 3.4180.												
		⊥ NOT SERVICED, USE COMPONENTS.												
		@ INCLUDES SEAL IN 7.4450.												
		7.4450 - SEAL, TACHOMETER DRIVE COVER												
5C,D	3202615	SEAL							1		1			
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
5B	5190566	GASKET (2.3490)		1				1						
5B	5135935	GASKET			1								1	1
5B	5122227	GASKET (1.5040)	1			1	1					1		
5C,D	5117061	GASKET (1.5030)							1		⊥			
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER												
5B	5146787	ADAPTOR (1.64")		1				1						
5B	5155819	ADAPTOR (1.34")			1								1	1
	103320	LOCKWASHER, 5/16" (12.9200)			2								2	2
	114493	NUT, 5/16"-24 HEX. (12.9120)			2								2	2

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3144	3145	3147	3149	3236	3238	3322	3333	3344	3355	3367	3368
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.												
5A	**1536316**	SHAFT ASSY. (5')				1								
5A	**845384**	+ SHAFT ASSY. (4')											1	
5A	**1535103**	SHAFT (6')					1							
	849539	* SHAFT ASSY. (90")			1									
	1568956	SHAFT ASSY. (40")										1		1
		* SOLD ONLY AS AN ASSEMBLY.												
		+ OBSOLETE.												
		7.4408 - CABLE, TACH. DRIVE FLEXIBLE												
5A	**1535530**	CABLE ASSY. (59 3/8")				1								
5A	**1535519**	CABLE ASSY. (72")					1							
5A	**1535514**	CABLE ASSY. (39 3/8")										1		1
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.												
	5177623	CLIP (2.5120)				2	2						2	
	103341	WASHER, 3/8" FLAT (12.9190)				2	2						2	
		7.4420 - ADAPTOR, TACHOMETER DRIVE												
		INCLUDES ITEMS IN 7.4432.												
5B	**1565168**	ADAPTOR (90 DEG. L.H., 1:1 RATIO) (CHANGES ROTATION)											1	
5B	**1565192**	ADAPTOR (90 DEG. R.H., 1:.500 RATIO)							1					
5B	**1565185**	ADAPTOR (90 DEG. R.H., 1:.250 RATIO)			1						1			
5B	**5102580**	ADAPTOR (L.H., 1:.500 RATIO, DOUBLE OUTLET) (CHANGES ROTATION)						1						
5B	**5102579**	ADAPTOR (R.H., 1:.500 RATIO, DOUBLE OUTLET)	1											
5B	**5107383**	ADAPTOR (90 DEG. L.H., 1:.250 RATIO) (CHANGES ROTATION)		1		1				1		1		
5B	**1566827**	ADAPTOR (90 DEG. L.H., 1:.500 RATIO) (CHANGES ROTATION)					1							
5B	**1585564**	SEAL AND KEY ASSY.			1			1	1			1		
5B	**6478641**	KEY	1	1		1	1			1	1		1	
	849330	CAP (7.4457)				1	1			1	1			

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 314	315	317	319	326	328	332	333	334	335	337	338
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
5B	1582724	* PLUG	1	1	1	1	1	1						
5B	191758	FITTING, 1/8" LUBE (12.9540)	1	1	1	1	1	1						
5B	178779	FITTING, RELIEF VALVE (12.9540)	1	1	1	1	1	1						
		* OBSOLETE.												
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
5B	5123863	SHAFT			1			1	1			1		
5B	3224992	SHAFT	1											
5C	5117299	@ SHAFT ASSY.					1			1				
5C	5155861	SHAFT ASSY.											1	
5C	5117753	* SHAFT ASSY.		1		1					1			
		* NOT SERVICED, USE (1) 5103335 & (1) 5146049.												
		@ NOT SERVICED, USE (1) 5100669 & (1) 5146049.												
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL												
5B	5155818	SLINGER		1		1	1			1	1		1	
		7.4445 - COVER, TACHOMETER DRIVE												
5B	5123267	+ COVER ASSY.			1			1		1		1		
	5123439	* COVER		1		1				1	1			
	5103039	COVER			1			1		1		1		
	5123118	COVER ASSY. (INCLUDES STUD)											1	
5C	5125153	@ COVER ASSY.	1											
	5123438	* COVER					1							
	180120	BOLT, 3/8"-16X3/4" (12.9001)			2			2	2			2		
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)			4			4	4			4		
	179858	BOLT, 7/16"-14X1" (12.9001)	1											
	179882	BOLT, 1/2"-14X1 1/8" (12.9001)	4											
	103321	LOCKWASHER, 3/8" (12.9200)			AR			AR	AR			AR		
	103322	LOCKWASHER, 7/16" (12.9200)	1											
	103323	LOCKWASHER, 1/2" (12.9200)	4											
		* NOT SERVICED SEPARATELY; PART OF COVER KIT IN 3.4180.												
		@ INCLUDES SEAL IN 7.4450.												
		+ NOT SERVICED, USE COMPONENTS.												
		7.4450 - SEAL, TACHOMETER DRIVE COVER												
5C,D	3202615	SEAL	1											
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
5B	5190566	GASKET (2.3490)		1		1	1			1	1			
5B	5135935	GASKET											1	
5B	5122227	GASKET (1.5040)			1			1	1			1		

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 314	315	317	319	326	328	332	333	334	335	337	338
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR (CONT'D)												
5C,D	**5117061**	GASKET (1.5030)	1											
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER												
5B	**5146787**	ADAPTOR (1.64")					1			1				
5B	**5155819**	ADAPTOR (1.34")											1	
5B	**5117757**	ADAPTOR (3.64")		1		1					1			
	103320	LOCKWASHER, 5/16" (12.9200)											2	
	114493	NUT, 5/16"-24 HEX. (12.9120)											2	

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 340	341	343	347	350	351	355	356	357	362	367	368
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.												
5A	**1568956**	SHAFT ASSY. (40")									1			
5A	**845384**	– SHAFT ASSY. (47 1/2")										1		
5A	**1536316**	SHAFT ASSY. (5')		1	1				1					
5A	**1569669**	SHAFT ASSY. (15')					1							
		+ OBSOLETE.												
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE												
5A	**1535514**	CABLE ASSY. (39 3/8")									1			
5A	**1564935**	CABLE ASSY. (47 1/2")										1		
5A	**1535530**	CABLE ASSY. (59 3/8")		1	1				1					
5A	**1569106**	CABLE ASSY. (179 3/8")					1							
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.												
	5177623	CLIP (2.5120)		2	2				2					
	103341	WASHER, 3/8" FLAT (12.9190)		2	2				2					
		7.4420 - ADAPTOR, TACHOMETER DRIVE												
		INCLUDES ITEMS IN 7.4432.												
5B	**1566827**	ADAPTOR (90 DEG. L.H., 1:.500 RATIO, CHANGES ROTATION)		1								1		
5B	**1565185**	ADAPTOR (90 DEG. R.H., 1:.250 RATIO)			1					1	1			
5B	**5107383**	ADAPTOR (90 DEG. L.H., 1:.250 RATIO, CHANGES ROTATION)				1							1	
	5131177	ADAPTOR (2:1 RATIO)						1						
5B	**5102579**	ADAPTOR (R.H., 1:.500 RATIO, DOUBLE OUTLET)							1					
5B	**1585564**	SEAL AND KEY ASSY.			1						1		1	
	6478641	KEY		1		1				1		1	1	1
	5199122	KEY (7.4423)						1						
	849330	CAP (7.4457)				1	1			1				1
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
5B	**1582724**	* PLUG		1	1	1		1	1	1	1	1	1	
5B	**271285**	FITTING, 1/8"-90 DEG. LUBE (12.9540)		1	1	1		1	1	1	1	1	1	
5B	**178779**	FITTING, RELIEF VALVE (12.9540)		1	1	1		1	1	1	1	1	1	
		* OBSOLETE.												

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 340	341	343	347	350	351	355	356	357	362	367	368
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
5C	**5117753**	* SHAFT ASSY.		1		1							1	
5B	**5123863**	SHAFT			1				1		1			
5B	**3224992**	SHAFT					1							1
5C	**5117299**	@ SHAFT ASSY.	1						1			1		
5C	**5155861**	SHAFT ASSY.						1						
		* NOT SERVICED, USE (1) 5103335 & (1) 5146049.												
		@ NOT SERVICED, USE (1) 5100669 & (1) 5146049.												
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL												
5B	**5155818**	SLINGER		1		1		1		1		1	1	
		7.4445 - COVER, TACHOMETER DRIVE												
.	**5123439**	@ COVER		1		1						1	1	
5B	**5123267**	+ COVER ASSY.			1				1		1			
	5103039	COVER			1				1		1			
	5123438	@ COVER	1							1				
5C	**5125153**	# COVER ASSY.					1							1
	180120	BOLT, 3/8"-16X3/4" (12.9001)			2				2		2			
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)			4				4		4			
	179858	BOLT, 7/16"-14X1" (12.9001)												1
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)												4
	103321	LOCKWASHER, 3/8" (12.9200)			AR				AR		AR			
		* FIG. 4A OF 5.0000.												
		@ NOT SERVICED SEPARATELY, PART OF COVER KIT IN 3.4180.												
		# INCLUDES SEAL IN 7.4450.												
		+ NOT SERVICED. USE COMPONENTS.												
		7.4450 - SEAL, TACHOMETER DRIVE COVER												
5C,D	**3202615**	SEAL					1							1
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
5B	**5190566**	GASKET (2.3050)	1	1		1		1		1		1	1	
5B	**5123123**	GASKET			1				1		1			
5B	**5122227**	GASKET (1.5040)												
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER												
	6409857	ADAPTOR (2.47"L.)						1						1
5B	**5122635**	ADAPTOR (1.55")								1		1		
5B	**5146787**	ADAPTOR (1.64")	1											

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 340	341	343	347	350	351	355	356	357	362	367	368
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER (CONT'D)												
5B	**5117757**	ADAPTOR (3.64")		1		1							1	
	849330	CAP	1	1				1				1	1	
	6478641	KEY	1											
5B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)						2						
	5107931	WASHER, 5/16" (7.4850)	1					1						
	446202	WASHER, 5/16" FLAT (COPPER) (12.9190)						2						

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 369	379	382	383	384	386	387	390	394	397	398
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE											
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.											
5A	1568956	SHAFT ASSY. (40")		1			1						
5A	1535103	SHAFT ASSY. (72 1/2")							1				
5A	849539	* SHAFT ASSY. (90")									1		
5A	1569668	SHAFT ASSY. (10')										1	1
		* SOLD ONLY AS AN ASSEMBLY.											
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE											
5A	1535514	CABLE ASSY. (39 3/8")	1				1						
5A	1535519	CABLE ASSY. (72")							1				
5A	1561330	CABLE ASSY. (119 3/8")										1	1
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.											
	5177623	CLIP (2.5120)							2				
	103341	WASHER, 3/8" FLAT (12.9190)							2				
		7.4420 - ADAPTOR, TACHOMETER DRIVE											
		INCLUDES ITEMS IN 7.4432.											
5B	1566827	ADAPTOR (90 DEG. L.H., 1:.500 RATIO, CHANGES ROTATION)	1								1	1	1
5B	1565170	ADAPTOR (90 DEG. R.H., 1:1 RATIO, SINGLE OUTLET)		1					1				
	5106761	ADAPTOR (90 DEG. R.H., 1:.500 RATIO)			1								
5B	1565192	ADAPTOR (90 DEG. R.H., 1:.500 RATIO)				1							
	6409080	ADAPTOR (90 DEG. L.H., 1:.250 RATIO, CHANGES ROTATION)						1					
5B	1565168	ADAPTOR (90 DEG. L.H., 1:1 RATIO, CHANGES ROTATION)								1			
	6478641	KEY	1	1		1		1	1	1	1	1	1
	849330	CAP (7.4457)	1	1				1					
		7.4423 - DRIVE GEAR & SHAFT ASSY., TACHOMETER DRIVE CABLE ADAPTOR											
	5106591	* SHAFT ASSY.			1								
		* INCLUDES GEAR, SHAFT AND BEARING WHICH ARE NOT SERVICED SEPARATELY.											

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 369	379	382	383	384	386	387	390	394	397	398
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING											
5B	**1582724**	* PLUG	1										
5B	**271285**	FITTING, 1/8"-90 DEG. LUBE (12.9540)	1										
5B	**178779**	FITTING, RELIEF VALVE (12.9540)	1										
		* OBSOLETE.											
		7.4433 - CLAMP, TACHOMETER DRIVE ADAPTOR RETAINING											
	5146410	CLAMP			1								
	5179613	BOLT, 1/4"-20X1 1/4" (2.7690)			1								
	5115161	NUT, 1/4"-20 (7.1585)			1								
	120375	NUT, 1/4"-20 (12.9120)			1								
		7.4435 - SHAFT, TACHOMETER DRIVE											
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.											
5C	**5117753**	@ SHAFT ASSY.	1					1				1	
5B	**3224992**	SHAFT		1		1	2			1			
5C	**5117299**	= SHAFT ASSY.									1		1
5C	**5155861**	SHAFT ASSY.							1				
	5136677	* BOLT, 1/2"-20 X 1.26"			1								
		* BLOWER ROTOR GEAR RETAINER.											
		@ NOT SERVICED, USE (1) 5103335 & (1) 5146049.											
		= NOT SERVICED, USE (1) 5100669 & (1) 5146049.											
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL											
5B	**5155818**	SLINGER	1					1	1		1	1	1
		7.4445 - COVER, TACHOMETER DRIVE											
*	**5123439**	@ COVER	1					1			1	1	
	5123438	@ COVER											1
5C	**5125153**	# COVER ASSY.		2		1	2			1			
	5136674	COVER ASSY. (3.4180)			1								
	5123118	COVER ASSY. (INCLUDES STUD)							1				
5B	**5155854**	STUD, 5/16"-24X1 1/32"							2				
	179858	BOLT, 7/16"-14X1" (12.9001)		2		1	2			1			
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		8		4	8			4			
	5103366	BOLT, 1/2"-20X1.26" (7.4435)			1								
		* FIG. 4A OF 5.0000.											
		@ NOT SERVICED SEPARATELY, PART OF COVER KIT IN 3.4180.											
		# INCLUDES SEAL IN 7.4450.											

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3691	3791	3822	3833	3844	3866	3877	3900	3944	3977	3988
		7.4450 - SEAL, TACHOMETER DRIVE COVER											
5C,D	3202615	SEAL		2		1	2						
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR											
5B	5190566	GASKET (2.3050)	1					1			1	1	1
	5136678	GASKET (7.4428)			1								
	5135935	GASKET							1				
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER											
5B	5155819	ADAPTOR (1.34")							1				
5B	5146787	ADAPTOR (1.64")									1		1
5B	5117757	ADAPTOR (3.64")	1					1				1	
	849330	CAP				1	2			1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)							2				
	114493	NUT, 5/16"-24 HEX. (12.9120)							2				

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 399	407	414	417	421	423	424	452	455	461	466	468
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		▪ FOR TYPE 418 USE TYPE 716.▪ ▪ FOR TYPE 469 USE TYPE 520.▪ SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.												
5A	**845384**	+ SHAFT ASSY. (30")										1		
5A	**1536316**	SHAFT ASSY. (72")												1
5A	**1535103**	SHAFT ASSY. (72 1/2")								1			1	
		+ OBSOLETE.												
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE												
5A	**1565008**	CABLE ASSY. (30")										1		
5A	**1535530**	CABLE ASSY. (59 3/8")												1
5A	**1535519**	CABLE ASSY. (72")								1			1	
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.												
	5177623	CLIP (2.5120)												2
	103341	WASHER, 3/8" FLAT (12.9190)												2
		7.4418 - ADAPTOR KIT, TACHOMETER DRIVE												
		AN ADAPTOR KIT INCLUDES ADAPTOR ASSY., BLOWER END PLATE COVER, GASKET IN 7.4421 AND CLAMP IN 7.4433 TO CONVERT TO HEAVY DUTY BLOWER DRIVEN TACHOMETER DRIVE.												
	5198297	ADAPTOR KIT (1:1 RATIO, OUTPUT)	AR		AR	AR	AR	AR	AR	AR		AR	AR	AR
	5199001	ADAPTOR KIT (1:1 RATIO, OUTPUT)		AR							AR			
	5198396	ADAPTOR KIT (1:.50 RATIO, OUTPUT)	AR		AR	AR	AR	AR	AR	AR		AR	AR	AR
	5199002	ADAPTOR KIT (1:500 RATIO, OUTPUT)		AR							AR			
	5198400	ADAPTOR KIT (1:1 RATIO, OUTPUT)	AR		AR	AR	AR	AR	AR	AR		AR	AR	AR
	5198402	ADAPTOR KIT (1:1 RATIO, OUTPUT)		AR							AR			
	5198401	ADAPTOR KIT (1:500 RATIO,	AR		AR	AR	AR	AR	AR	AR		AR	AR	AR

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 399	407	414	417	421	423	424	452	455	461	466	468
		7.4418 - ADAPTOR KIT, TACHOMETER DRIVE (CONT'D)												
		OUTPUT)												
	5198403	ADAPTOR KIT (1:500 RATIO, OUTPUT)		AR							AR			
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE												
		INCLUDES ITEMS IN 7.4432.												
	5106763	* ADAPTOR (90 DEG. R.H., 1:250 RATIO)	1											
5B	**1565192**	ADAPTOR (90 DEG. R.H., 1:500 RATIO)							1					
5B	**1565168**	ADAPTOR (90 DEG. L.H., 1:1 RATIO CHANGES ROTATION)								1			1	1
5B	**5106789**	ADAPTOR ASSY. (1:500 RATIO CHANGES ROTATION)			1						1			
	5106756	HOUSING ASSY., DRIVE	1											
5D	**6478641**	KEY		1			1			1			1	1
5B	**1585564**	SEAL & KEY ASSY.							1					
		* INCLUDES HOUSING ASSY. IN 7.4420 AND SHAFT ASSY. IN 7.4423.												
		7.4423 - DRIVE GEAR & SHAFT ASSY., TACHOMETER DRIVE CABLE ADAPTOR												
	5106591	@ SHAFT ASSY.	1											
		@ INCLUDES GEAR, SHAFT AND BEARING WHICH ARE NOT SERVICED SEPARATELY.												
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
5B	**1582724**	PLUG							1					
5B	**191758**	FITTING, 1/8" LUBE (12.9540)							1					
5B	**178779**	FITTING, RELIEF VALVE (12.9540)							1					
		7.4433 - CLAMP, TACHOMETER DRIVE ADAPTOR RETAINING												
	5146410	CLAMP	1		1						1			
	5179613	BOLT, 1/4"-20X1 1/4" (2.7690)	1		1						1			
	120375	NUT, 1/4"-20 HEX. (12.9120)	1		1						1			
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
5B	**3224992**	SHAFT		1						2				

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 399	407	414	417	421	423	424	452	455	461	466	468
		7.4435 - SHAFT, TACHOMETER DRIVE (CONT'D)												
5B	**5179903**	SHAFT		1										
5B	**5135936**	SHAFT											1	1
5C	**5117299**	+ SHAFT ASSY.					1							
5C	**5117753**	@ SHAFT ASSY.						1						
5C	**5173786**	SHAFT ASSY.							1					
	5136677	* BOLT (HEX. SLOTTED HEAD)	1		1						1			
		* BLOWER ROTOR GEAR RETAINER.												
		@ NOT SERVICED, USE (1) 5103335 & (1) 5146049.												
		+ NOT SERVICED, USE (1) 5100669 & (1) 5146049.												
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL												
5B	**5155818**	SLINGER					1	1	1					
		7.4445 - COVER, TACHOMETER DRIVE												
	5136674	COVER	1		1									
@	**5123439**	# COVER					1	1						
5C	**5125153**	COVER ASSY. (INCLUDES SEAL IN 7.4450)		1						2				
5D	**5124240**	COVER ASSY. (INCLUDES SEAL IN 7.4450)				1								
@	**5137273**	COVER ASSY. (INCLUDES SEAL IN 7.4450)									1			
	5123118	COVER ASSY. (INCLUDES STUD)											1	1
5B	**179858**	BOLT, 7/16"-14X1" (12.9001)		2		1				2				
5B	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)		8		4				8				
		@ FIG. 4A OF 3.0000.												
		# NOT SERVICED SEPARATELY; PART OF COVER KIT IN 3.4180.												
		7.4450 - SEAL, TACHOMETER DRIVE COVER												
5C,D	**3202615**	SEAL		1		1				1	1			
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
	5136678	GASKET (7.4421)	1		1						1			
5B	**5190566**	GASKET (2.3490)					1	1						
5B	**5123123**	GASKET							1					
5B	**5135935**	GASKET											1	1
		7.4457 - ADAPTOR, TACHOMETER DRIVE												
5B	**5135945**	ADAPTOR ASSY. (INCLUDES SEAL IN 7.4458)											1	1
5B	**5158289**	ADAPTOR (2.31")				1								

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3 9 9	4 0 7	4 1 4	4 1 7	4 2 1	4 2 3	4 2 4	4 5 2	4 5 5	4 6 1	4 6 6	4 6 8
		7.4457 - ADAPTOR, TACHOMETER DRIVE (CONT'D)												
5B	**5117298**	ADAPTOR (1.64")					1							
5B	**5117757**	ADAPTOR (3.64")						1						
5B	**5122635**	ADAPTOR (1.55")							1					
	849330	CAP					1	1	1	2				
	5107931	WASHER, 5/16" (7.4850)					1	1	1	1				
	103320	LOCKWASHER, 5/16" (12.9200)											2	2
	114493	NUT, 5/16"-24 HEX. (12.9120)											2	2
		7.4458 - SEAL, TACHOMETER DRIVE COVER ADAPTOR												
	5135820	SEAL, OIL (LIP TYPE)											1	1

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 470	471	472	474	475	479	488	489	495	496	497	502
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.												
5A	**845384**	+ SHAFT ASSY. (47 1/2")					1							
5A	**1536316**	SHAFT ASSY. (72")	1			1		1						
5A	**1535103**	SHAFT ASSY. (72 1/2")		1										
		+ OBSOLETE.												
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE												
5A	**1564935**	CABLE ASSY. (47 1/2")					1							
5A	**1535530**	CABLE ASSY. (59 3/8")	1			1		1						
5A	**1535519**	CABLE ASSY. (72")		1										
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.												
	5177623	CLIP (2.5120)	2	2		2	2	2						
	5166565	BRACKET (9.1591)						1						
	106284	BOLT, 3/8"-24X5/8" (12.9001)						1						
	103341	WASHER, 3/8" FLAT (12.9190)	2	2		2	2	2						
	103321	LOCKWASHER, 3/8" (12.9200)						1						
	117049	NUT, 3/8"-24 HEX. (12.9120)						1						
		7.4418 - ADAPTOR KIT, TACHOMETER DRIVE												
		AN ADAPTOR KIT INCLUDES ADAPTOR ASSY., BLOWER END PLATE COVER, GASKET IN 7.4421 AND CLAMP IN 7.4433 TO CONVERT TO HEAVY DUTY BLOWER DRIVEN TACHOMETER DRIVE.												
	5198297	ADAPTOR KIT (1:1 RATIO, OUTPUT)	AR		AR	AR	AR		AR		AR		AR	AR
	5199001	ADAPTOR KIT (1:1 RATIO, OUTPUT)		AR				AR		AR		AR		
	5198396	ADAPTOR KIT (1:.50 RATIO, OUTPUT)	AR		AR	AR	AR		AR		AR		AR	AR
	5199002	ADAPTOR KIT (1:500 RATIO, OUTPUT)		AR				AR		AR		AR		
	5198400	ADAPTOR KIT (1:1 RATIO, OUTPUT)	AR		AR	AR	AR		AR		AR		AR	AR

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 470	471	472	474	475	479	488	489	495	496	497	502
		7.4418 - ADAPTOR KIT, TACHOMETER DRIVE CABLE-HEAVY DUTY DRIVE (CONT'D)												
	5198402	ADAPTOR KIT (1:1 RATIO, OUTPUT)		AR				AR		AR		AR		
	5198401	ADAPTOR KIT (1:500 RATIO, OUTPUT)	AR		AR	AR	AR		AR		AR		AR	AR
	5198403	ADAPTOR KIT (1:500 RATIO, OUTPUT)		AR				AR		AR		AR		
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE												
		INCLUDES ITEMS IN 7.4432.												
5D	**1569406**	ADAPTOR (DOUBLE OUTLET, R.H., 4:1 RATIO)											1	
5B	**1565168**	ADAPTOR (90 DEG. L.H., 1:1 RATIO CHANGES ROTATION)	1	1			1				1			
5B	**1565170**	ADAPTOR (R.H., 1:1 RATIO)				1		1		2				
5B	**5107383**	ADAPTOR (90 DEG. L.H., 1:2.50 RATIO CHANGES ROTATION)							1			1		
5D	**5102582**	*ADAPTOR (DOUBLE OUTLET, L.H., 1:.250 RATIO CHANGES ROTATION)*												1
5D	**6478641**	KEY	1	1		1	1	1	1	2	1		1	1
5D	**1585600**	KEY, 1 7/8" L.										1		
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
5B	**1582724**	PLUG							1	2	1	2		
5B	**191758**	FITTING, 1/8" LUBE (12.9540)							1	2	1	2		
5B	**178779**	FITTING, RELIEF VALVE (12.9540)							1	2	1	2		
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
5B	**3224992**	SHAFT								2	1			
5B	**5135936**	SHAFT	1	1	1	1	1	1						
5B	**5123863**	SHAFT							1					
5B	**5177232**	SHAFT										1	1	1
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL												
5B	**5155818**	SLINGER	1											

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4700	4701	4702	4704	4705	4709	4808	4809	4905	4906	4907	5002
		7.4445 - COVER, TACHOMETER DRIVE												
5B	**5123267**	+ COVER ASSY.							1					
	5103039	COVER							1					
5C	**5125153**	COVER ASSY. (INCLUDES SEAL IN 7.4450)								2	1			
	5123118	COVER ASSY. (INCLUDES STUD)	1	1	1	1	1	1						
	5155854	STUD, 5/16"-24X1 1/32"	2	2	2	2	2	2						
5B	**180120**	BOLT, 3/8"-16X3/4" (12.9001)							2					
5B	**186315**	BOLT, 3/8"-24X4 1/2" (12.9001)							4					
5B	**179858**	BOLT, 7/16"-14X1" (12.9001)								2	1			
5B	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)								8	4			
		+ NOT SERVICED, USE COMPONENTS.												
		7.4450 - SEAL, TACHOMETER DRIVE COVER												
5C,D	**3202615**	SEAL								2	1			
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
5B	**5135935**	GASKET	1	1	1	1	1	1						
		7.4457 - ADAPTOR, TACHOMETER DRIVE												
5B	**5135945**	ADAPTOR ASSY. (INCLUDES SEAL IN 7.4458)	1	1	1	1	1	1						
5B	**5146787**	ADAPTOR (2.270")										1	1	1
	849330	CAP			1								1	1
	5107931	WASHER			1								1	1
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2						
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	2	2	2	2	2						
		7.4458 - SEAL, TACHOMETER DRIVE COVER ADAPTOR												
	5135820	SEAL, OIL (LIP TYPE)	1	1	1	1	1	1						

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 503	505	512	520	523	526	527	535	538	540	543	544	545
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE													
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.													
5A	**1536316**	SHAFT ASSY. (5')					1								
5A	**1582149**	SHAFT ASSY. (5')									1				
5A	**1584549**	SHAFT ASSY. (30")											1		
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE													
5A	**1535530**	CABLE ASSY. (59 3/8")					1								
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.													
	5177623	CLIP, 3/8" (2.5120)					2								
	103341	WASHER, 3/8" FLAT (12.9190)					2								
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE													
		INCLUDES ITEMS IN 7.4432.													
5B	**1566827**	ADAPTOR (90 DEG., L.H., 1:.500 RATIO, CHANGES ROTATION)	1	1	1										
5B	**1565170**	ADAPTOR (90 DEG., 1:1 RATIO, CHANGES ROTATION)	1	1	1	1	1								
5B	**5106769**	ADAPTOR (90 DEG., 1:.500 RATIO, CHANGES ROTATION)						1							
5B	**5102052**	ADAPTOR (L.H. 1:250 RATIO, CHANGES ROTATION)										1			
5B	**5106771**	ADAPTOR (90 DEG., 1:.250 RATIO, CHANGES ROTATION)								1					
5B	**5102051**	ADAPTOR (R.H. 1:250 RATIO)													1
5B	**5102050**	ADAPTOR (L.H. 1:500 RATIO)												1	
5B	**6478641**	KEY	1	1	1	1	1								
	1585564	SEAL AND KEY ASSY.							1						
	5149737	SEAL RING										1		1	1
	5147149	BOLT, 1/2"-20X1 1/2" SL. HD. (7.4435)						1							
		7.4421 - GASKET, TACHOMETER DRIVE CABLE ADAPTOR													
	5136678	GASKET								1					
		7.4423 - DRIVE GEAR & SHAFT ASSY., TACHOMETER DRIVE CABLE ADAPTOR													
	5106596	* SHAFT ASSY.						1							
	5106614	SHAFT ASSY; L.H. (DRIVEN)								1					
	5106695	SHAFT ASSY; L.H. (DRIVE)								1					
		* INCLUDES GEAR, SHAFT AND BEARING WHICH ARE NOT SERVICED SEPARATELY.													

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 503	505	512	520	523	526	527	535	538	540	543	544	545
		7.4428 - HOUSING & BUSHING ASSY., TACHOMETER DRIVE CABLE ADAPTOR.													
		A HOUSING ASSY. INCLUDES BUSHING WHICH IS NOT SERVICED SEPARATELY.													
	5106756	HOUSING AND SHAFT ASSY.								1					
	5136680	HOUSING AND BUSHING ASSY. (DRIVE)								1					
	5136679	FITTING ASSY.								1					

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 503	505	512	520	523	526	527	535	538	540	543	544	545
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING													
5D	1582724	* PLUG	1												
5D	191758	FITTING, 1/8" LUBE (12.9540)	1												
5D	178779	FITTING, RELIEF VALVE (12.9540)	1												
		* OBSOLETE.													
		7.4433 - CLAMP, TACHOMETER DRIVE ADAPTOR RETAINING													
	5146410	CLAMP						1		1					
	5179613	BOLT, 1/4"-20X1 1/4" (2.7690)						1		1					
	120375	NUT, 1/4"-20 (12.9120)						1		1					
		7.4435 - SHAFT, TACHOMETER DRIVE													
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.													
5B	5108090	SHAFT ASSY.												1	
5D	5117299	+ SHAFT ASSY.	1												
5C	5117753	* SHAFT ASSY.		1											
5B	5173786	SHAFT ASSY.							1						
5B	5177232	SHAFT			1										
5B	5144683	SHAFT				1	1								
5B	5101294	SHAFT										1			
5B	5145551	SHAFT													1
		* NOT SERVICED, USE (1) 5103335 & (1) 5146049.													
		+ NOT SERVICED, USE (1) 5100669 & (1) 5146049.													
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL													
5B	5155818	SLINGER	1	1					1					1	
		7.4445 - COVER, TACHOMETER DRIVE													
	5123438	# COVER	1												
	5123439	# COVER		1											
	5123118	COVER ASSY. (INCLUDES STUD)				1	1							1	
	5106173	COVER (INCLUDES STUD)													1
	5155854	STUD, 5/16"-24X1 1/32"				2		2						2	2
	179837	BOLT, 3/8"-16X3/4" (12.9001)													2
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)													4
	103321	LOCKWASHER, 3/8" (12.9200)													2
		* FIG. 4A OF 3.0000.													
		# NOT SERVICED SEPARATELY; PART OF COVER KIT IN 3.4180.													

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 503	505	512	520	523	526	527	535	538	540	543	544	545
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR													
5D	**5190566**	GASKET (2.3050)	1	1											
5B	**5135935**	GASKET				1	1							1	1
	5136678	GASKET (7.4428)						1							
5B	**5123123**	GASKET							1						
	5104507	GASKET, COVER (1.5060)													1
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER													
5B	**5117298**	ADAPTOR (1.64"L.)	1		1										
5B	**5117757**	ADAPTOR (3.64" L.)		1											
5B	**5135945**	ADAPTOR ASSY. (INCLUDES SEAL IN 7.4458)				1	1								
5B	**5122635**	ADAPTOR (1.55" L.)							1						
5B	**5146787**	ADAPTOR (1.59" L.)										1			
5B	**5136249**	ADAPTOR (1.42" L.)												1	1
	849330	CAP	1	1	1				1						
	138203	SCREW, 1/4"-20X1 1/4" (12.9027)										1			
	186647	BOLT, 1/4"-20X1" (12.9001)												1	1
	5107931	WASHER, 7/16"X27/32" (7.4850)	1	1	1				1						
	103319	LOCKWASHER, 1/4" (12.9200)										1		1	1
	103320	LOCKWASHER, 5/16" (12.9200)				2	2								
	114493	NUT, 5/16"-24 HEX. (12.9120)				2	2								
		7.4458 - SEAL, TACH. DRIVE ADAPTOR													
	5135820	SEAL, OIL (LIP TYPE)				1	1								

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 546	549	553	554	557	561	562	566	568	570	572
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE											
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.											
5A	**1582149**	SHAFT ASSY. (5')						1			1		
	1583466	SHAFT ASSY. (12')		1									
	1536443	SHAFT ASSY. (15')		1									1
	6478556	SHAFT ASSY. (40")					1						
	6478821	ADAPTOR (COUPLING)		1									
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.											
	5177623	CLIP, 3/8" (2.5120)									2	2	
	5168175	CLIP, 7/16" (4.6040)						2					
	103341	WASHER, 3/8" FLAT (12.9190)						2			2	2	
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE											
		INCLUDES ITEMS IN 7.4432.											
5B	**5102049**	ADAPTOR (R.H. 1:500 RATIO)	1										
5B	**5148410**	ADAPTOR (L.H. INPUT R.H. OUTPUT .500)			1								
5B	**5148411**	ADAPTOR (R.H. OUTLET)				1							
5B	**5102048**	ADAPTOR (L.H. 1:1 RATIO)						1		1	1		
5B	**5106762**	ADAPTOR (90 DEG. R.H. 1:2.50 RATIO)							1				
	5149737	SEAL RING	1					1					
5B	**6478641**	KEY										1	
		7.4433 - CLAMP, TACHOMETER DRIVE ADAPTOR RETAINING											
	5146410	CLAMP							1				
	5179613	BOLT, 1/4"-20X1 1/4" (2.7690)							1				
	120375	NUT, 1/4"-20 HEX. (12.9120)							1				
		7.4435 - SHAFT, TACHOMETER DRIVE											
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.											
5B	**5108090**	SHAFT ASSY.	1		1			1		1	1		

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 546	549	553	554	557	561	562	566	568	570	572
		7.4435 - SHAFT, TACHOMETER DRIVE (CONT'D)											
5C	5117753	* SHAFT ASSY.										1	
5B	5145551	SHAFT				1							
		* NOT SERVICED, USE (1) 5103335 & (1) 5146049.											
		7.4445 - COVER, TACHOMETER DRIVE											
	5123439	# COVER										1	
	5123118	COVER ASSY. (INCLUDES STUD)	1		1			1		1	1		
	5106173	COVER ASSY. (INCLUDES STUD)				1							
	5136674	COVER ASSY. (3.4180)							1				
	5155854	STUD, 5/16"-24 X 1 1/32" (7.4445)	2		2	2		2	2				
	179837	BOLT, 3/8"-16X3/4" (12.9001)				2							
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)				4							
	179858	BOLT, 7/16"-14X1" (12.9001)	1										
	179882	BOLT, 1/2"-14X1 1/8" (12.9001)	4										
	5106821	BOLT, 1/2"-20X1.26" (7.4435)							1				
	103321	LOCKWASHER, 3/8" (12.9200)				2							
		* FIG. 4A OF 3.0000.											
		# NOT SERVICED SEPARATELY; PART OF COVER KIT IN 3.4180.											
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR											
5D	5190566	GASKET (2.3050)										1	
5B	5135935	GASKET			1			1		1	1		
	5136678	GASKET (7.4428)							1				
	5104507	GASKET, COVER (1.5060)				1							
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER											
5B	5117757	ADAPTOR (3.64" L.)										1	
5B	5136249	ADAPTOR (1.42" L.)	1		1	1		1		1	1		
	849330	CAP	1										1
	186647	BOLT, 1/4"-20X1" (12.9001)	1		1	1		1		1	1		
	5107931	WASHER, 7/16"X27/32" (7.4850)	1										1
	103319	LOCKWASHER, 1/4" (12.9200)	1		1	1		1		1	1		
	103320	LOCKWASHER, 5/16" (12.9200)			2			2		2	2		
	114493	NUT, 5/16"-24 HEX. (12.9120)			2			2		2	2		

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 588	589	590	592	593	594	597	598	603	604	605	606
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES.												
5A	**1583466**	SHAFT ASSY. (12')		1										
5A	**1536443**	SHAFT ASSY. (15')			2									
5A	**6478556**	SHAFT ASSY. (40")				1							1	
5A	**6478558**	SHAFT ASSY. (72 1/2")					1							1
5A	**1582149**	SHAFT ASSY. (5')								1		1		
	6478821	ADAPTOR (COUPLING)			1									
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.												
	5177623	CLIP (2.5120)					2				2	2		
	103341	WASHER, 3/8" FLAT (12.9190)					2				2	2		
		7.4420 - ADAPTOR, TACHOMETER DRIVE												
5B	**5102049**	ADAPTOR (R.H. 1:500 RATIO)	1											1
5B	**5102048**	ADAPTOR (R.H. 1:1 RATIO, CHANGES ROTATION)					1							
5B	**5148412**	ADAPTOR (L.H. 4:1 RATIO, CHANGES ROTATION)						1						
5B	**5102052**	ADAPTOR (L.H. 1:250 RATIO, CHANGES ROTATION)							1					
5B	**5106762**	ADAPTOR (90 DEG. R.H. 1:2.50 RATIO)								1				
	5106763	@ ADAPTOR (90 DEG. R.H. 1:.250 RATIO, CHANGES ROTATION)									1			
5B	**5148409**	ADAPTOR (R.H. 1:.500 RATIO)										1		
5B	**5102051**	ADAPTOR (R.H. 1:250 RATIO)											1	
	5149737	SEAL RING	1				1		1				1	
	5106756	HOUSING ASSY., DRIVE									1			
		@ INCLUDES HOUSING ASSY. IN 7.4420 AND SHAFT ASSY. IN 7.4423.												
		7.4423 - DRIVE GEAR & SHAFT ASSY., TACHOMETER DRIVE CABLE ADAPTOR												
	5106591	* SHAFT ASSY.									1			
		* INCLUDES GEAR, SHAFT AND BEARING WHICH ARE NOT SERVICED SEPARATELY.												
		7.4433 - CLAMP, TACHOMETER DRIVE ADAPTOR RETAINING												
	5146410	CLAMP								1	1	1		
	5179613	BOLT, 1/4"-20X1 1/4" (2.7690)								1	1	1		
	120375	NUT, 1/4"-20 HEX. (12.9120)								1	1	1		

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 588	589	590	592	593	594	597	598	603	604	605	606
		7.4435 - SHAFT, TACHOMETER DRIVE												
5B	5108089	SHAFT	1											
5B	5179903	SHAFT				2								
5B	5108090	SHAFT					1							
5B	5101294	SHAFT						1						
5B	5145551	SHAFT							1			1	1	1
		7.4445 - COVER, TACHOMETER												
	5123118	COVER (INCLUDES STUD)					1							
	5106173	COVER (INCLUDES STUD)							1			1	1	1
5C	5125153	COVER ASSY. (INCLUDES SEAL IN 7.4450)				2				1	1			
	5136674	COVER ASSY. (3.4180)					2		2			2	2	2
	5155854	STUD, 5/16"-24X1 1/32"							2			2	2	2
	179837	BOLT, 3/8"-16X3/4" (12.9001)							4			4	4	4
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)				2								
	179858	BOLT, 7/16"-14X1" (12.9001)				8				1	1			
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)												
	5136677	BOLT, 1/2"-20X1.26" (7.4435)				4			2			2	2	2
	5132715	WASHER, (.53 I.D.X.94 O.D.X.12 THK.)												
	103321	LOCKWASHER, 3/8" (12.9200)												
		7.4450 - SEAL, TACHOMETER DRIVE COVER												
5C,D	3202615	SEAL				2								
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
5B	5123123	GASKET	1											
5B	5135935	GASKET					1		1			1	1	1
5B	5122227	GASKET, COVER (1.5060)							1			1	1	1
	5136678	GASKET (7.4435)								1	1			
		7.4457 - ADAPTOR, TACHOMETER DRIVE												
5B	5145912	ADAPTOR	1											
5B	5136249	ADAPTOR					1		1			1	1	1
5B	5146787	ADAPTOR						1						
	849330	CAP	1			3		1		1				
	138203	SCREW, 1/4"-20X1 1/4" (12.9027)						1						
5B	186647	BOLT, 1/4"-20X1" (12.9001)	1				1		1			1	1	1
	5107931	WASHER, 7/16"X27/32" (7.4850)	1			3		1		1				
	120380	LOCKWASHER, 1/4" (12.9200)	1				1	1	1			1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)					2		2			2	2	2
	114493	NUT, 5/16"-24 HEX. (12.9120)					2		2			2	2	2

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 607	608	610	611	612	614	615	616	617	618	619
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE											
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES.											
5A	**1583466**	SHAFT ASSY. (12')									1		
5A	**6478558**	SHAFT ASSY. (72 1/2")		1		1				1			1
5A	**1582149**	SHAFT ASSY. (5')						1	1			1	
5A	**6478557**	SHAFT ASSY. (47 1/2"L.)					1						
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.											
	5177623	CLIP (2.5120)		2			2	2	2	2		2	2
	103341	WASHER, 3/8" FLAT (12.9190)		2			2	2	2	2		2	2
		7.4420 - ADAPTOR, TACHOMETER DRIVE											
5B	**5102048**	ADAPTOR (R.H. 1:1 RATIO, CHANGES ROTATION)		1		1	1	1	1	1		1	1
	5106763	@ ADAPTOR (90 DEG. R.H. 1:.250 RATIO, CHANGES ROTATION)									1		
5B	**5102051**	ADAPTOR (R.H. 1:250 RATIO)			1								
	5149737	SEAL RING		1	1	1	1	1	1	1		1	1
	5106756	HOUSING ASSY., DRIVE									1		
		@ INCLUDES HOUSING ASSY. IN 7.4420 AND SHAFT ASSY. IN 7.4423.											
		7.4423 - DRIVE GEAR & SHAFT ASSY., TACHOMETER DRIVE CABLE ADAPTOR											
	5106591	* SHAFT ASSY.									1		
		* INCLUDES GEAR, SHAFT AND BEARING WHICH ARE NOT SERVICED SEPARATELY.											
		7.4433 - CLAMP, TACHOMETER DRIVE ADAPTOR RETAINING											
	5146410	CLAMP									1		
	5179613	BOLT, 1/4"-20X1 1/4" (2.7690)									1		
	120375	NUT, 1/4"-20 HEX. (12.9120)									1		
		7.4435 - SHAFT, TACHOMETER DRIVE											
5B	**5179903**	SHAFT	1										
5B	**5108090**	SHAFT		1			1	1	1	1		1	1
5B	**5145551**	SHAFT			1								

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 607	608	610	611	612	614	615	616	617	618	619
		7.4435 - SHAFT, TACHOMETER DRIVE (CONT'D)											
5B	**3224992**	SHAFT				2							
		7.4445 - COVER, TACHOMETER											
	5123118	COVER (INCLUDES STUD)		1		1	1	1	1	1		1	1
	5106173	COVER (INCLUDES STUD)			1								
5C	**5125153**	COVER ASSY. (INCLUDES SEAL IN 7.4450)	1			1							
	5137273	COVER ASSY. (INCLUDES SEAL IN 7.4450)									1		
	5155854	STUD, 5/16"-24 X 1 1/32" (7.4445)		2	2		2	2	2	2		2	2
	179837	BOLT, 3/8"-16X3/4" (12.9001)			2								
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)			4								
	179858	BOLT, 7/16"-14X1" (12.9001)	1										
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4										
	5103366	BOLT, 1/2"-20X1.26" (7.4435)									1		
	5132715	WASHER (.53 I.D. X .94 O.D. X .12 THK.) (4.3140)	2			4							
	103321	LOCKWASHER, 3/8" (12.9200)			2								
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR											
5B	**5135935**	GASKET		1	1	1	1	1	1	1		1	1
5B	**5104507**	GASKET, COVER (1.5060)			1								
	5136678	GASKET (7.4435)									1		
		7.4457 - ADAPTOR, TACHOMETER DRIVE											
5B	**5136249**	ADAPTOR		1	1	1	1	1	1	1		1	1
	849330	CAP				2	1				1		
5B	**186647**	BOLT, 1/4"-20X1" (12.9001)		1	1	1	1	1	1	1		1	1
	5107931	WASHER, 7/16"X27/32" (7.4850)				3	1				1		
	120380	LOCKWASHER, 1/4" (12.9200)		1	1	1	1	1	1	1		1	1
	103320	LOCKWASHER, 5/16" (12.9200)		2	2	2	2	2	2	2		2	2
	114493	NUT, 5/16"-24 HEX. (12.9120)		2	2	2	2	2	2	2		2	2

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6331	6334	6444	6449	6500	6566	6633	6644	6722	6800	6811	6822	6833	6844
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE														
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES.														
5A	**1582149**	SHAFT ASSY. (5')			1											
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.														
	5177623	CLIP, 3/8" (2.5120)			2											
		7.4420 - ADAPTOR, TACHOMETER DRIVE														
	5148409	ADAPTOR (R.H. 1:.500 RATIO)	1													
5B	**5103065**	ADAPTOR (1:.50 RATIO)								1						
	5103066	ADAPTOR (R.H. 1:.250 RATIO)							1							
	1536341	ADAPTOR (1:.250 RATIO 90 DEG. L.H.) (CHANGES ROTATION)									1	1				
	5102049	ADAPTOR (R.H. 1:.500 RATIO)		1												
5B	**1565185**	ADAPTOR (1:.250 RATIO 90 DEG. R.H.)												1		
	6451377	ADAPTOR (1:1 RATIO)			1											
	5137338	* ADAPTOR ASSY.(1:.250 RATIO 90 DEG. R.H.)													1	
	6409080	ADAPTOR (1:.250 RATIO 90 DEG. L.H. CHANGES ROTATION)														1
	5149737	SEAL RING		1												
		* INCLUDES HOUSING ASSY. IN 7.4428 & SHAFT ASSY IN 7.4423.														
		7.4423 - DRIVE GEAR,& SHAFT ASSY.,TACHOMETER DRIVE CABLE ADAPTOR														
	5136740	* SHAFT ASSY.													1	
		* NOT SERVICED, SEE ASSY. SUPERSESSIONS.														
		7.4428 - HOUSING AND BUSHING ASSY. TACHOMETER DRIVE CABLE ADAPTOR														
	5136680	HOUSING ASSY.													1	
	5136679	SLEEVE & BUSHING ASSY.													1	
	5106772	ADAPTOR (1:.250 RATIO) (CHANGES ROTATION)				1										
5B	**5106762**	ADAPTOR (1:2.50 RATIO, 90 DEG. R.H.)						1								
	5104438	KEY									1	1	1			1

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6331	6334	6444	6449	6500	6556	6663	6664	6722	6800	6811	6822	6833	6844
		7.4428 - HOUSING AND BUSHING ASSY. TACHOMETER DRIVE CABLE ADAPTOR (CONT'D)														
	5136678	GASKET (7.4421)					1	1							1	
		7.4433 - CLAMP, TACHOMETER DRIVE ADAPTOR RETAINING														
	5146410	CLAMP					1	1							1	
	5179613	BOLT, 1/4"-20X1 1/4" (2.7690)					1	1							1	
	120375	NUT, 1/4"-20 HEX. (12.9120)					1	1							1	
		7.4435 - SHAFT, TACHOMETER DRIVE														
	5108090	SHAFT	1							1						
	5103335	SHAFT									1					1
	5145551	SHAFT		1					1							
	5100669	SHAFT										1	1	1		
	5148821	SHAFT				1										
	5146049	SPACER, BLR RTR. AR. SPR. (3.4103)									1	1	1	1		1
		7.4440 - SLINGER,TACHOMETER DRIVE SHAFT OIL														
5B	5155818	SLINGER									1	1	1	1		1
	5103366	BOLT, 1/2"-20X1.10" SL. HD.													1	
		7.4445 - COVER, TACHOMETER														
	5123118	COVER (INCLUDES STUD)	1							1						
	5106173	COVER (INCLUDES STUD)		1					1							
	5137273	COVER ASSY.(INCLUDES SEAL IN 7.4450)						1							1	
	5123439	* COVER														1
	5155854	STUD, 5/16"-24 X 1 1/32" (7.4445)	2	2					2	2						
	179837	BOLT, 3/8"-16X3/4" (12.9001)		2												
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)		4												
	5106821	BOLT, 1/2"-20X1.26" (7.4435)						1								
	103321	LOCKWASHER, 3/8" (12.9200)		2												
		* NOT SERVICED SEPARATELY, PART OF COVER KIT IN 3.4180.														
		7.4450 - SEAL, TACHOMETER DRIVE COVER														
	3202615	SEAL						1								
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR														
5B	5135935	GASKET	1	1					1	1						
5B	5104507	GASKET, COVER (1.5060)		1												
	5190566	GASKET									1	1	1	1		1

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7.4000B TACHOMETER DRIVE

7.4457 - ADAPTOR, TACHOMETER DRIVE COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 633	634	644	649	650	656	663	664	672	680	681	682	683	684
5B	5136249	ADAPTOR	1	1					1	1						
	5117757	ADAPTOR									1					1
	5148822	ADAPTOR				1						1	1	1		
	5117298	ADAPTOR	1			1			1	1	1	1	1	1		1
	849330	CAP	1	1		1			1	1	1	1	1	1		1
	186647	BOLT, 1/4"-20X1" (12.9001)	1	1		1			1	1	1	1	1	1		1
	5107931	WASHER (7.4850)	1	1		1			1	1	1	1	1	1		1
	103319	LOCKWASHER, 1/4" (12.9200)	2	2					2	2						
	103320	LOCKWASHER, 5/16" (12.9200)	2	2					2	2						
	114493	NUT, 5/16"-24 HEX. (12.9120)														

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6851	6866	6867	6868	6869	6900	6911	6922	6933	6944	6999	7011	7022
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE													
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES.													
	1582149	SHAFT ASSY. (5')			1		1					1			
	6478559	SHAFT ASSY. (90°L)				1									
	1583466	SHAFT ASSY. (120°L)						1							
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.													
	5177623	CLIP (2.5120)					2					2			
	103341	WASHER, 3/8" FLAT (12.9190)										2			
		7.4420 - ADAPTOR, TACHOMETER DRIVE													
	1565192	ADAPTOR (1:.500 RATIO 90 DEG. R.H.)											1		
5B	1566827	ADAPTOR (1:.500 RATIO 90 DEG. L.H.) (CHANGES ROTATION)	1	1											1
5B	5106762	* ADAPTOR ASSY. (1:2.50 RATIO, 90 DEG. R.H.)			1	1				1	1				
5B	5107383	ADAPTOR (1:.250 RATIO 90 DEG. L.H.)												1	
	5106763	* ADAPTOR ASSY. (1:.250 RATIO 90 DEG. R.H.)					1	1	1						
	6409080	ADAPTOR (1:.250 RATIO 90 DEG. L.H.) (CHANGES ROTATION)										1			
	6478641	KEY, 1 9/16" L.											2		
	5137336	HOUSING ASSY., DRIVE					1	1	1						
	5104438	KEY (7.4421)	1	1								1		1	1
		* INCLUDES HOUSING ASSY. IN 7.4428 & SHAFT ASSY. IN 7.4423.													
		7.4423 - DRIVE GEAR & SHAFT ASSY., TACHOMETER DRIVE CABLE ADAPTOR													
	5136684	* SHAFT ASSY.			1	1				1	1				
	5136740	* SHAFT ASSY.					1	1	1						
		* NOT SERVICED SEE ASSY. SUPERSESSIONS.													
		7.4428 - HOUSING AND BUSHING ASSY. TACHOMETER DRIVE CABLE ADAPTOR													
	5137335	* HOUSING & SHAFT ASSY.			1	1				1	1				
	5136679	SLEEVE & BUSHING ASSY.			1	1	1	1	1	1	1				
	5136680	HOUSING ASSY. TACHOMETER DRIVE			1	1	1	1	1	1	1				
		* NOT SERVICED SEE ASSY. SUPERSESSIONS.													
		7.4433 - CLAMP, TACHOMETER DRIVE ADAPTOR RETAINING													
	5146410	CLAMP			1	1	1	1	1	1	1				
	5179613	BOLT, 1/4"-20X1 1/4" (2.7690)			1	1	1	1	1	1	1				
	120375	NUT, 1/4"-20 (12.9120)			1	1	1	1	1	1	1				

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6855	6866	6887	6888	6889	6900	6911	6922	6933	6944	6999	7011	7022
		7.4435 - SHAFT, TACHOMETER DRIVE													
		A SHAFT ASSY. INCLUDES. A SLINGER IN 7.4440.													
	5123863	SHAFT											1		
	5103335	SHAFT ASSY.	1									1		1	
	5100669	SHAFT ASSY.		1											1
	5146049	SPACER, BLOWER RTR. GR. SPROCKET (3.4103)	1	1										1	1
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL													
5B	5155818	SLINGER	1	1								1		1	1
		7.4445 - COVER TACHOMETER DRIVE													
	5123267	+ COVER ASSY.											1		
	5103039	COVER											1		
	5123439	* COVER	1									1		1	1
	5123438	* COVER		1											
	5136674	COVER ASSY. (3.4180)			1	1	1			1					
	5137273	COVER ASSY. (3.4180)						1	1		1				
	5106821	BOLT, 1/2"-20X1.10" SL. HD. (7.4435)			1	1	1	1	1	1	1				
		+ NOT SERVICED; USE COMPONENTS.													
		* NOT SERVICED SEPARATELY, PART OF COVER KIT IN 3.4180.													
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR													
5B	5190566	GASKET (2.3050)	1	1								1		1	1
	5136678	GASKET (7.4428)			1	1	1	1	1	1	1				
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER													
5B	5117757	ADAPTOR (3.64")	1									1		1	
	5117298	ADAPTOR		1											1
	849330	CAP	1	1	1			1						1	1
	5107931	WASHER (7.4850)	1	1	1			1				1		1	1

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 709	712	716	718	724	725	726
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE							
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES.							
5A	1582149	SHAFT ASSY. (5')		1					1
	6478819	SHAFT ASSY. (4.48")				1			
		7.4412 - CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.							
	5177623	CLIP, 3/8" (2.5120)		2					2
	103341	WASHER, 3/8" (12.9190)		2					2
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE							
	6409080	ADAPTOR (L.H. 1:250 RATIO)							1
5B	1565185	ADAPTOR (R.H. 1:250 RATIO, 90 DEG.)	1						
	1566827	ADAPTOR (L.H. .500:1 RATIO)						1	
5B	5102047	ADAPTOR (1:1 RATIO, .191" DIA. INPUT)		1					
	5103066	ADAPTOR (90 DEG. 1:250 RATIO)					1		
5B	6478641	KEY, 1 9/16" L.	2				1		
	5104438	KEY, 1.44"L.						1	1
	5107931	WASHER, .644"I.D. (7.4457)						1	1
		7.4435 - SHAFT, TACHOMETER DRIVE							
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.							
	5108090	SHAFT		1					
	5123863	SHAFT	1						
	3224992	SHAFT				1			
	5145551	SHAFT					1		
	5100669	SHAFT						1	1
	5146049	SPACER, .53"I.D. (3.4103)						1	1
		7.4445 - COVER, TACHOMETER DRIVE							
	5155818	SLINGER						1	1
	5123118	COVER ASSY. (INCLUDES STUDS)		1					
	5106173	COVER ASSY. (INCLUDES STUDS)					1		
	5124240	COVER ASSY. (INCLUDES SEAL IN 7.4450)			1	1			
	5103039	COVER	1						
	5125153	COVER ASSY. (INCLUDES SEAL IN 7.4450)				1			
	5123439	* COVER						1	
	5155854	STUD, 5/16"-24X1 1/32"		2			2		
	5101377	BOLT, 3/8"-16X1" (W/SEAL PATCH) (5.2020)					6		
	179858	BOLT, 7/16"-14X1" (12.9001)			1				
	5104602	BOLT, 7/16"-14X1" W/SEAL PATCH (12.9001)				2			
	5116911	BOLT, 1/2"-13X1" (12.9001)				2			
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)			4	6			
	5132715	WASHER, .53" I.D. (1.3140)				2			
	103321	LOCKWASHER, 3/8" (12.9200)					6		

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 709	712	716	718	724	725	726
		7.4445 - COVER, TACHOMETER DRIVE (CONT'D)							
		* NOT SERVICED, USE 5196760 KIT (6V71) OR 5196761 KIT (8V71).							
		7.4450 - SEAL, TACHOMETER DRIVE COVER							
	3202615	SEAL			1	2			
		7.4455 - GASKET, TACHOMETER DRIVE COVER ADAPTOR							
5B	**5135935**	GASKET		1			1		
	8924835	GASKET, COVER (1.5060)					1		
	5190566	GASKET						1	1
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER							
5B	**5136249**	ADAPTOR (1.42" L.)		1			1		
	5117298	ADAPTOR (1.64"L.)						1	1
	5158289	ADAPTOR (SHAFT)			1	1			
	849330	CAP				1	1	1	
	186647	BOLT, 1/4"-20X1" (12.9001)		1			1		
	103319	LOCKWASHER, 1/4" (12.9200)		1			1		
	5107931	WASHER, .644" I.D.				1	1		
	103320	LOCKWASHER, 5/16" (12.9200)		2			2		
	114493	NUT, 5/16"-24 (12.9120)		2			2		

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7.4000B TACHOMETER DRIVE (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10	46	161	272	273	322	360	371	376	380	381	409	500
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE (TWIN AND QUAD)													
		▪ FOR TYPE 271 USE TYPE 273.▪ SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.													
5A	**1568956**	SHAFT ASSY. (40")	1												
5A	**1569669**	SHAFT ASSY. (15%)		1	2										
	846430	ADAPTOR			1										
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE (TWIN AND QUAD)													
	1535514	CABLE ASSY. (39 3/8")	1												
5A	**1569106**	CABLE ASSY. (179 3/8")		1	2										
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE (TWIN AND QUAD)													
		INCLUDES ITEMS IN 7.4432													
5B	**1565170**	ADAPTOR (90 DEG. R.H., 1:1 RATIO, SINGLE OUTLET)				1							1		
5B	**1565168**	ADAPTOR (90 DEG. L.H., 1:1 RATIO, SINGLE OUTLET) (CHANGES ROTATION)					1				1				1
5B	**5102577**	ADAPTOR (90 DEG. R.H., 1:1 RATIO, DOUBLE OUTLET)						1						1	
5B	**1583037**	ADAPTOR (90 DEG. L.H., 1:1 RATIO, DOUBLE OUTLET) (CHANGES ROTATION)						1				1			
5B	**1581087**	ADAPTOR (L.H., 1:.500 RATIO, DOUBLE OUTLET) (CHANGES ROTATION)							2						
5B	**1565192**	ADAPTOR (90 DEG. R.H., 1:.500 RATIO)								2					
5B	**1566827**	ADAPTOR (90 DEG. L.H., 1:.500 RATIO) (CHANGES ROTATION)									2		2		
5B	**2288638**	KEY (3 3/32" L.)				1	1	2			1	1	1	1	1
5B	**1561509**	KEY (1 9/16" L.)							2	2	2		2		2
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING (TWIN AND QUAD)													
5B	**1582723**	PLUG				AR	AR	AR	AR	AR	AR	AR	AR	AR	
5B	**191758**	FITTING, 1/8" LUBE (12.9540)				AR	AR	AR	AR	AR	AR	AR	AR	AR	
5B	**178779**	FITTING, RELIEF VALVE (12.9540)				AR	AR	AR	AR	AR	AR	AR	AR	AR	

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7.4000B TACHOMETER DRIVE (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10	46	161	272	273	322	360	371	376	380	381	409	500
		7.4435 - SHAFT, TACHOMETER DRIVE (TWIN AND QUAD)													
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.													
5D	**5112674**	SHAFT ASSY.				1	1	2			1	1	1	1	1
5D	**3224992**	SHAFT							2		2		2		2
5D	**5188439**	SHAFT								2					2
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL (TWIN AND QUAD)													
5D	**5155818**	*SLINGER*				1	1	2			1	1	1	1	1
		7.4445 - COVER, TACHOMETER DRIVE (TWIN AND QUAD)													
5B	**5125153**	COVER ASSY. (INCLUDES SEAL IN 7.4450)							2		2		2		2
	5104506	GASKET (1.5040)							2		2		2		2
	179858	BOLT, 7/16"-14X1" (12.9001)							2		2		2		2
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)							8		8		8		8
	103322	LOCKWASHER, 7/16" (12.9200)							2		2		2		2
	103323	LOCKWASHER, 1/2" (12.9200)							8		8		8		8
		7.4450 - SEAL, TACHOMETER DRIVE COVER (TWIN AND QUAD)													
	3202615	SEAL							2		2		2		2
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR (TWIN AND QUAD)													
5B	**5155816**	GASKET				1	1				1	1	1	1	1
5B	**5135935**	GASKET						2		2					2
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER (TWIN AND QUAD)													
5B	**5155819**	ADAPTOR				1	1	2		2	1	1	1	1	3
	1565185	ADAPTOR													2
	849330	CAP				1	1	2		2					1
5B	**179816**	BOLT, 5/16"-18X3/4" (12.9000)								4				2	
	103320	LOCKWASHER, 5/16" (12.9200)								AR				AR	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 347	400	401	402	406	407	408	412	417	420	429	430
		7.4505 - SWITCH, WATER TEMPERATURE												
6A	**5146080**	SWITCH	1											
	5120976	VALVE ASSY. (200 DEG.)		1	1		1	1	1	1	1	1	1	1
	5109717	* PLUNGER		1	1		1	1	1	1	1	1	1	1
	5109719	* SPRING		1	1		1	1	1	1	1	1	1	1
	442323	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)										1		
	5163830	GASKET (7.4586)		1	1		1	1	1	1	1	1	1	1
	444255	TEE, 1/4" INV. FL. TUBE (12.9616)										1		
	5104778	TEE (3/8"X1/4") (7.4694)									1		1	1
		* EFFECTIVE WITH 6VA-13478, 8VA-4596, 12VA-1534.												
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
	5123838	@ ADAPTOR		1	1		1	1	1	1	1	1	1	1
	5109718	* ADAPTOR		1	1		1	1	1	1	1	1	1	1
	5113655	STUD, 5/16"-18-24X2.46"		2	2		2	2	2	2	2	2	2	2
	5121182	PLUG, 1/4" PIPE (12.9550)					1	1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)		2	2		2	2	2	2	2	2	2	2
	114493	NUT, 5/16"-24 HEX. (12.9120)		2	2		2	2	2	2	2	2	2	2
		@ THRU 6VA-13477, 8VA-4595, 12VA-1533. NOT SERVICED; REPLACE WITH 5109718 ADAPTOR AND INCLUDE 1-5109717 PLUNGER AND 1-5109719 SPRING IN 7.4505.												
		* EFFECTIVE WITH 6VA-13478, 8VA-4596, 12VA-1534.												
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET		1	1		1	1	1	1	1	1	1	1
		7.4513 - BELL, ALARM SYSTEM												
6A	**5131954**	+ BELL (12V.) (8921360)	1											
		+ NOT SERVICED; USE NUMBER IN PARENTHESES.												
		7.4514 - RELAY, ALARM BELL												
6A	**3290747**	RELAY (12V.)	1											
		7.4519 - SOLENOID, AIR SHUTOFF												
6A,B	**1118128**	* SOLENOID (12V.)				1								1
6A,B	**1118191**	* SOLENOID (24V.)											1	
6B	**186676**	BOLT, 1/4"-20X5/8" (12.9001)				4							4	4

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3477	4000	4011	4022	4066	4077	4088	4122	4177	4220	4299	4300
		7.4519 - SOLENOID, AIR SHUTOFF (CONT'D)												
	120392	WASHER, 1/4" FLAT (12.9190)				4								
6B	120380	LOCKWASHER, 1/4" (12.9200)				4							4	4
	123390	NUT, 1/4"-20 HEX. (12.9120)				4								
		* PROCURE FROM UNITED DELCO.												
		7.4525 - WIRE, AIR SHUTOFF CONTROL (RESET)												
	5146240	WIRE ASSY. (50" L.) (3.3250)		1	1		1	1	1	1	1	1		
	5146241	WIRE ASSY. (90" L.) (3.3250)								1				
	5126538	PLATE, INSTRUCTION		1	1		1	1	1	1	1			
	273669	PIN, 5/64"X7/8" L. SPRING (12.9200)		1	1		1	1	1	1	1	1		
	132105	SCREW, #10-32X3/8" (12.9010)		1	1		1	1	1	1	1	1		
	120385	WASHER, #12 FLAT (12.9190)		1	1		1	1	1	1	1	1		
	110730	LOCKWASHER, 3/8" (12.9200)		1	1		1	1	1	1	1	1		
	122236	NUT, 3/8"-24 HEX. (12.9120)		1	1		1	1	1	1	1	1		
	5168374	NUT (7/8" L.) (3.3090)		1	1		1	1	1	1	1	1		
		7.4527 - CLIP, AIR SHUTOFF CONTROL WIRE (RESET)												
	3290569	CLIP (7.8320)		1	1		1	1	1		1	1		
	5163442	CLIP (2.9428)				1	1	2			1			
	5159738	CLIP (7.8329)								1				
	5163537	CLIP (7.4076)								1				
	5157372	CLIP (3.4433)									1			
	5157809	CLIP, 3/16" (7.8320)									1			
	5167510	CLIP, 1/4" (7.8320)									1			
	5127630	BRACKET (7.4525)					1	1	1		1	1		
	5178595	BRACKET, SUPPORT (2.5030)									1			
	123298	BOLT, 1/4"-28X3/8" (12.9001)		1	1		1	1	1		1	1		
	179812	BOLT, 5/16"-18X1/2" (12.9001)								2				
	186618	BOLT, 5/16"-18X5/8" (12.9001)									1			
	180120	BOLT, 3/8"-16X3/4" (12.9001)					1	1	1		1	1		
	120380	LOCKWASHER, 1/4" (12.9200)		1	1		1	1	1		1	1		
	103320	LOCKWASHER, 5/16" (12.9200)									2			
	103321	LOCKWASHER, 3/8" (12.9200)					AR	AR	AR	AR	AR	AR		
	121902	NUT, 1/4"-28 HEX. (12.9120)		1	1		1	1	1		1	1		
	120376	NUT, 5/16"-18 HEX. (12.9120)									2			
	102635	NUT, 3/8"-16 HEX. (12.9120)					1	1	1		1	1		
		7.4530 - BRACKET, AIR SHUTOFF SOLENOID												
	5128228	SUPPORT				1								
	186676	BOLT, 1/4"-20X5/8" (12.9001)				3								
	120380	LOCKWASHER, 1/4" (12.9200)				3								

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3477	4000	4001	4002	4006	4007	4008	4112	4117	4200	4299	4300
		7.4538 - ROD, AIR SHUTOFF SOLENOID CONTROL												
	5115836	LINK		1	1		1	1	1	1	1			
	5128227	LINK				1								
6B	5121913	LINK								1			1	1
	103361	PIN, 1/16"X1/2" COTTER (12.9250)											1	1
	112526	PIN, 1/16"X3/8" COTTER (12.9250)		1	1	1	1	1	1	1	1			
6B	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)											1	1
	5115204	BOLT (LINK TO LATCH) (7.4519)		1	1	1	1	1	1	1				
6B	120392	WASHER, 1/4" PLAIN (12.9190)											2	2
	120380	LOCKWASHER, 1/4" (12.9200)		1		1	1	1		1				
6B	114492	NUT, 1/4"-28 (JAM) (12.9120)		1		3	1	1		1			1	1
		7.4550 - HOUSING, AIR SHUTOFF CONTROL												
	5113159	BOX ASSY. (INCLUDES STUDS AND PLUG)		1	1		1	1	1	1	1			
	5113158	STUD, #10-32X11/16" (7.4519)		2	2		2	2	2	2	2			
	5113157	PLUG, #10-32X1/2" (7.4519)		1	1		1	1	1	1	1			
	186676	BOLT, 1/4"-20X5/8" (12.9001)		1	1		1	1	1	1	1			
	120380	LOCKWASHER, 1/4" (12.9200)		1	1		1	1	1	1	1			
		7.4553 - COVER, AIR SHUTOFF CONTROL HOUSING												
	5113160	COVER		1	1		1	1	1	1	1			
	271169	WASHER ASSY. (12.9120)		2	2		2	2	2	2	2			
		7.4560 - SPRING, AIR SHUTOFF RESET LATCH												
	5125878	SPRING (6.25 FREE L.) (WITH 90" WIRE) (3.3070)		1			1	1		1	1	1		
	5128972	SPRING (7.70 FREE L.) (WITH 50" WIRE) (3.3070)			1				1	1				
		7.4586 - SWITCH, OIL PRESSURE												
6A	5100722	SWITCH (10# BREAK)	1										1	1
	5186528	BELLOWS ASSY.		1	1		1	1		1	1			
	112877 @	BUSHING, 1/4"X1/8" RED. (12.9570)	1											
	9409943 @	TEE, 1/8" PIPE	1											
	132105	SCREW, #10-32X3/8" (12.9025)		4	4		4	4		4	4			
	5115204	BOLT, 1/4"-28X1 1/4" (7.4519)									1			
	120380	LOCKWASHER, 1/4" (12.9200)									1			
	271169	NUT, #10-32 HEX. (WITH LOCKWASHER) (7.4519)		4	4		4	4		4	4			
	122161	NUT, 1/4"-28 (JAM) (12.9120)									1			

@ USE WHEN AIR COMPRESSOR IS SPECIFIED.

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 347	400	401	402	406	407	408	412	417	420	429	430
		7.4596 - TUBE, OIL PRESSURE SWITCH												
	5127860	* TUBE (DEV. L. 7.36") (TEMP. VALVE TO OVERSPEED VALVE)							1					
	5127801	TUBE (DEV. L. 14.72") (SUPPLY TO VALVE)		1	1									1
	5128614	TUBE (DEV. L. 17.44") (TEMP. VALVE TO OVERSPEED GOVERNOR)									1			
	5127389	TUBE (DEV. L. 19.60") (BLOCK TO TEMP. VALVE)					1	1				1		
	5128616	TUBE (DEV. L. 20.24") (BLOCK TO TEMP. VALVE)								1	1		1	
	5129973	TUBE (DEV. L. 28.12") (GOVERNOR TO BELLOWS)					1							
	5100117	TUBE (DEV. L. 28.52") (TEMP. VALVE TO OVERSPEED GOVERNOR)					1							
	5127740	TUBE (DEV. L. 30.72") (TEMP. VALVE TO OVERSPEED GOVERNOR)			1									
	5146030	TUBE (DEV. L. 37.44") (VALVE TO BELLOWS)								1				
	5127834	TUBE (DEV. L. 42.86") (BELLOWS TO VALVE)						1				1		
	5127816	* TUBE (DEV. L. 45.50") (BELLOWS TO VALVE)							1					
	5146043	TUBE (DEV. L. 46.64") (BELLOWS TO VALVE)		1										
	9409931	ELBOW, 1/8" PIPE												1
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)		1				1	1	1		1		
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)							2					
	5127706	CONNECTOR (RESTRICTED)		1	1		1	1				1		1
	5126307	CONNECTOR (RESTRICTED) (.065")								1	1			
	5126391	TEE (5/16" INV. FL. TUBE X 1/4" PIPE 90 DEG.)		1	1		1	1	1			1		
	9413261	TEE (5/16" INV. FL. TUBE X 1/4" PIPE) (12.9480)								1	1			
	5164312	TEE, 5/16" INV. FL. TUBE (4.3001)											1	1
	442347	TEE, 5/16" TUBE (12.9490)									1			
	5159490	CLIP (7.4076)								2				
	5182629	CLIP, 5/16" (12.4080)						1						
	3290459	CLIP (5/8"L., 3/8" BOLT) (2.5220)		3	3		3	3				3		
	5112241	CLAMP (2.5070)					2			2	2	2	2	
	110502	SCREW, #10-24X3/4" (12.9001)									1			
	120221	BOLT, #10-24X1/2" (12.9001)					1			2		1	2	
	179833	BOLT, 3/8"-16X1/2" (12.9001)		1	1							1		
	5104597	BOLT, 3/8"-16X.625" (12.9001)						1						
	120217	LOCKWASHER, #10 (12.9200)					1			1	1	1	1	
	103321	LOCKWASHER, 3/8" (12.9200)		1	1			1				1		
	110633	NUT, #10-24 HEX. (12.9120)					1			1	1	1	1	

* OBSOLETE.

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 347	400	401	402	406	407	408	412	417	420	429	430
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN												
	5127857	* TUBE (DEV. L. 11.80") (OVERSPEED VALVE DRAIN)							1					
	5128635	TUBE (DEV. L. 20.20") (TEMP. VALVE TO BLOCK)								1	1		1	
	5127772	TUBE (DEV. L. 21.22")		1	1									1
	5127892	TUBE (DEV. L. 23.46")					1	1						
	5127815	* TUBE (DEV. L. 26.50") (OVERSPEED VALVE TO BLOCK DRAIN)							1					
	5128572	TUBE (DEV. L. 29.28") (TEMP. VALVE TO BLOCK)										1		
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	1		1	1	1	1	1	1	1	1
	137403	CONNECTOR, 1/8" INV. FL. TUBE (12.9460)								1				
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1		1	1	1		1	1	1	1
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)					1	1		1	1	1	1	
	142484	TEE, 3/8" INV. FL. TUBE (12.9480)							1					
	5127814	* BRACKET							1					
	5112241	CLAMP (2.5070)							2	2	2		2	
	5169119	CLIP, 3/8" (2.5120)							1					
	110502	SCREW, #10-24X3/4" (12.9001)									1			
	120221	BOLT, #10-24X1/2" (12.9001)							1	1			1	
	186618	BOLT, 5/16"-18X5/8" (12.9001)								1				
	120217	LOCKWASHER, #10 (12.9200)							1	1	1		1	
	103320	LOCKWASHER, 5/16" (12.9200)								1				
	110633	NUT, #10-24 HEX. (12.9120)							1	1	1		1	
	102634	NUT, 5/16"-18 HEX. (12.9120)							1					
		* OBSOLETE.												
		7.4598 - SWITCH, ALARM SHUT-OFF												
6A	**3292162**	SWITCH (TOGGLE)	1											
	5172059	SWITCH (AUX. RELAY) (24V.)					1							
6A	**5100679**	SWITCH (20# MAKE) (FUEL PRESSURE)											1	1
	5189800	# SWITCH (SOLENOID) (24V.)											1	
	5183261	# SWITCH (SOLENOID) (12V.) (7.2440)												1
		# THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.												
		7.4611 - GOVERNOR, OVERSPEED TRIP												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5186484	* GOVERNOR ASSY. (TO 2100 RPM ENG. SPD.)			1		1				1			

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3447	4000	4011	4022	4066	4077	4088	4122	4177	4220	4299	4330
		7.4611 - GOVERNOR, OVERSPEED TRIP (CONT'D)												
6D	5110132	@ GOVERNOR ASSY. (TO 2600 RPM ENG. SPD.)			1		1				1			
	5134505	& GOVERNOR ASSY. (TO 2100 RPM ENG. SPD.)			1		1				1			
	5134506	+ GOVERNOR ASSY. (TO 2600 RPM ENG. SPD.)			1		1				1			
	5128393	% GOVERNOR ASSY. (TO 2150 RPM ENG. SPD.)					1							
	5131874	# GOVERNOR ASSY. (TO 3250 RPM ENG. SPD.)					1							
	442347	TEE, 5/16" INV. FL. TUBE (12.9490)			1		1							
	173203	TEE, 5/16" INV. FL. TUBE (12.9490)									1			
	179839	BOLT, 3/8"-16X1" (12.9001)					2							
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)					4							
	103321	LOCKWASHER, 3/8" (12.9200)					AR							
		* THRU 6VA-30403, 12VA-6435 NOT SERVICED AS AN ASSY., COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5134505.												
		@ THRU 6VA-33290, 8VA-25519, 12VA-7935 NOT SERVICED AS AN ASSY., COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5134506.												
		& EFFECTIVE WITH 6VA-30404, 12VA-6436.												
		+ EFFECTIVE WITH 6VA-33291, 8VA-25520, 12VA-7936.												
		% THRU 8VA-10373, 12VA-2869. NOT SERVICED AS AN ASSY., COMPONENT PART S ARE AVAILABLE; FOR COMPLETE REPLAC EMENT USE 5131874 GOVERNOR ASSY.												
		# EFFECTIVE WITH 8VA-10374, 12VA-2870.												
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR												
	5125184	ADAPTOR			1		1				1			
	5126622	SEAL (1.2020)			1		1				1			
	140869	SCREW, #10-24X5/16" SET (12.9076)			1		1				1			
	179839	BOLT, 3/8"-16X1" (12.9001)			2		2				2			
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)			4		4				4			
	103321	LOCKWASHER, 3/8" (12.9200)			6		6				6			
		7.4638 - GASKET, OVERSPEED TRIP GOVERNOR ADAPTOR												
	5122227	GASKET (1.5060)			1		1				1			

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 347	400	401	402	406	407	408	412	417	420	429	430
		7.4668 - TUBE, OVERSPEED TRIP GOVERNOR OIL SUPPLY												
	5127845	* TUBE (DEV. L. 12.00")							1					
	5127769	TUBE (DEV. L. 23.56")			1									
	5131686	TUBE (DEV. L. 26.20")									1			
	5127883	TUBE (DEV. L. 29.76")					1							
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)			1		1				1			
	5126391	TEE (1/4" INV. FL. TUBE) (7.4596)							1					
	3290459	CLIP (2.5220)			1		1							
	5159490	CLIP, 5/16" (7.4076)									1			
		* OBSOLETE.												
		7.4673 - TUBE, SOLENOID VALVE												
	5127798	* TUBE (DEV. L. 13.28") (BLOCK TO OVERSPEED VALVE)							1					
	5127855	* TUBE (DEV. L. 18.74") (AIR BOX TO OVERSPEED VALVE)							1					
	5127706	CONNECTOR (RESTRICTED)							1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1					
	5127510	TEE, 3/8" TUBE							1					
		* OBSOLETE.												
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET												
	5146031	TUBE (DEV. L. 16.85")								1	1		1	
	5100401	TUBE (DEV. L. 45.81")					1	1	1					1
	5101398	TUBE (DEV. L. 20.54")		1	1							1		
	5128573	TUBE (DEV. L. 43.00")		1	1									1
	5127510	TEE, 1/4" PIPE												
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	1		1	1				1		1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1	1	1		1	
	5127610	TEE (3/8" INV. FL. TUBE, 1/4" PIPE TAP)		1	1		1		1	1	1			
	189060	BUSHING, 3/4"X1/4" RED. (12.9570)						1						
	5166565	BRACKET, CLIP (9.1591)					1							
	5175705	SPACER, 13/32"X5/8"X1" (8.3826)									1			
	5177623	CLIP (2.5120)								1	1		1	
	5151883	CLIP (2.5070)					1	1						
	5110070	CLIP (2.5120)							1					
	5169119	CLIP (2.5120)										1		
	5131190	CLIP (2.5120)						2						
	179844	BOLT, 3/8"-16X5/8" (12.9001)									1			
	180120	BOLT, 3/8"-16X3/4" (12.9001)					1							

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 347	400	401	402	406	407	408	412	417	420	429	430
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)												
	103341	WASHER, 3/8" FLAT (12.9190)					1							
	103321	LOCKWASHER, 3/8" (12.9200)					1				1			
	102635	NUT, 3/8"-16 HEX. (12.9120)					1							
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET												
	5127770	TUBE (DEV. L. 20.90")		1	1									1
	5127388	TUBE (DEV. L. 42.44")					1	1	1			1		
	5128634	* TUBE (DEV. L. 53.24")								1	1		1	
	137423	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					2			2	2		2	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		2	2		2	2	2			2		2
	116524	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)		1	1		1	1	1	1	1	1	1	1
	5160629	SPACER (4.2270)								2	2		2	
	5169119	CLIP (2.5120)					2	2	2			2		
	5177623	CLIP, 3/8" TUBE (2.5120)								2	2		2	
	180120	BOLT, 3/8"-16X3/4" (12.9001)								2	2		2	
	103321	LOCKWASHER, 3/8" (12.9200)								2	2		2	
		* NOT SERVICED, USE 5130779 AND INCLUDE 1-442323 CONNECTOR, 1-143338 ELBOW, 2-5130913 BRACKET, 2-5160388 CLIP.												
		7.4725 - VALVE ASSY., OVERSPEED												
		A VALVE ASSY. INCLUDES ITEMS IN 7.4727 THRU 7.4740.												
	5128124	* VALVE ASSY.							1					
	5127789	* BRACKET							1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							2					
	181384	BOLT, 3/8"-24X2 3/4" (12.9001)							2					
	103321	LOCKWASHER, 3/8" (12.9200)							AR					
		* OBSOLETE.												
		7.4727 - HOUSING, OVERSPEED VALVE												
	5128113	* HOUSING							1					
		* OBSOLETE.												
		7.4729 - COVER, OVERSPEED VALVE												
	5128108	* COVER (AIR END)							1					
	5128111	* COVER (OIL END)							1					
	120215	* SCREW, #10-24X1 1/2" FIL. HD.							8					

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3477	4000	4011	4022	4066	4077	4088	4112	4117	4220	4299	4300
		7.4729 - COVER, OVERSPEED VALVE (CONT'D)												
		(12.9010)												
	120217	LOCKWASHER, #10 (12.9200)							8					
		* OBSOLETE.												
		7.4731 - PISTON, OVERSPEED VALVE												
	5128105 *	PISTON (AIR)							1					
	5128099 *	PISTON (OIL)							1					
	120392	WASHER, 1/4" FLAT (AIR PISTON) (12.9190)							1					
	103319	LOCKWASHER, 1/4" (12.9200)							2					
	120375	NUT, 1/4"-20 HEX. (12.9120)							2					
		* OBSOLETE.												
		7.4733 - DIAPHRAGM, OVERSPEED VALVE PISTON												
	5128106 *	DISPHRAGM (AIR)							1					
	5128098 *	DISPHRAGM (OIL)							1					
	5128096 *	WASHER (1"O.D.X1/4"I.D.)							2					
		* OBSOLETE.												
		7.4735 - GUIDE, OVERSPEED VALVE PISTON												
	5128100 *	GUIDE (AIR PISTON)							1					
	5128107 *	GUIDE (OIL PISTON)							1					
		* OBSOLETE.												
		7.4737 - SPRING, OVERSPEED VALVE PISTON												
	5128110 *	SPRING (AIR PISTON) (INNER) (RED STRIPE)							1					
	5128092 *	SPRING (OIL PISTON) (OUTER) (RED STRIPE)							1					
	5128095 *	SEAT, AIR PISTON SPRING							1					
		* OBSOLETE.												
		7.4739 - SLEEVE, OVERSPEED VALVE ADJUSTING												
	5128104 *	SLEEVE							1					
		* OBSOLETE.												
		7.4740 - CAM, OVERSPEED VALVE ADJUSTING												
	5128103 *	CAM							1					
	5128097 *	GASKET							1					
	181567	BOLT, 1/4"-28X7/8" (12.9001)							1					

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 347	400	401	402	408	407	408	412	417	420	429	430
		7.4740 - CAM, OVERSPEED VALVE ADJUSTING (CONT'D)												
	5179709	WASHER (2.7175)							1					

* OBSOLETE.

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4311	4312	4334	4440	4442	4443	4445	4446	4449	4452	4459
		7.4505 - SWITCH, WATER TEMPERATURE											
6A	**5146080**	SWITCH					1	1			1		
	5120976	VALVE ASSY. (200 DEG.)				1				1		1	1
	5109717	* PLUNGER				1				1		1	1
	5109719	* SPRING				1				1		1	1
	142664	ELBOW, 1/4"-90 DEG. INV. FL. TUBE (12.9390)								1			
	118755	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9390)								1			
	5145009	PLUG, 1/8" PIPE (12.9550)					1						
	442323	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)				1							
	5163830	GASKET (7.4586)				1				1		1	1
	178996	TEE, 1/8" INV. FL. TUBE (12.9490)					1						
	444255	TEE, 1/4" INV. FL. TUBE (12.9616)				1							
	444148	TEE, 1/4" INV. EXT. (12.9616)								1			
	5104778	TEE (3/8"X1/4") (7.4694)										1	1
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)					1						
	178378	LOCKWASHER, #10 INT., EXT. TOOTH (12.9210)					1	1			1		
		* EFFECTIVE WITH 6VA-13478, 8VA-4596, 12VA-1534.											
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH											
	5123838	@ ADAPTOR				1				1			
	5109713	* ADAPTOR				1				1		1	1
	5113655	STUD, 5/16"-18-24X2.46"				2				2		2	2
	118755	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9390)								1			
	5121182	PLUG, 1/4" PIPE (12.9550)				1				1		1	1
	103320	LOCKWASHER, 5/16" (12.9200)				2				2		2	2
	114493	NUT, 5/16"-24 HEX. (12.9120)				2				2		2	2
		@ THRU 6VA-13477, 8VA-4595, 12VA-1533. NOT SERVICED; REPLACE WITH 5109718 ADAPTOR AND INCLUDE 1-5109717 PLUNGER AND 1-5109719 SPRING IN 7.4505.											
		* EFFECTIVE WITH 6VA-13478, 8VA-4596, 12VA-1534.											
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR											
	5113412	GASKET				1				1		1	1
		7.4513 - BELL, ALARM SYSTEM											
6A	**5131954**	+ BELL (12V.) (8921360)			1				1				
		+ NOT SERVICED; USE NUMBER IN PARENTHESES.											

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4311	4312	4314	4400	4402	4403	4405	4406	4409	4452	4459
		7.4514 - RELAY, ALARM BELL											
6A	5177779	RELAY (12V.)			1				1				
		7.4519 - SOLENOID, AIR SHUTOFF											
6A,B	1118128	* SOLENOID (12V.)		1							1		
6A,B	1118191	* SOLENOID (24V.)	2	1	1		1						
6B	186676	BOLT, 1/4"-20X5/8" (12.9001)	8	4	4		4						
6B	117461	BOLT, 1/4"-20X9/16" (12.9001)		4							4		
	120392	WASHER, 1/4" FLAT (12.9120)		4									
6B	120380	LOCKWASHER, 1/4" (12.9200)	8	4	4		4				4		
		* PROCURE FROM UNITED DELCO.											
		7.4525 - WIRE, AIR SHUTOFF CONTROL (RESET)											
	5146240	WIRE ASSY. (50" L.) (3.3250)				1				1		1	1
	5126538	PLATE, INSTRUCTION				1				1		1	1
	273669	PIN, 5/64"X7/8" L. SPRING (12.9200)				1				1		1	1
	132105	SCREW, #10-32X3/8" (12.9010)				1				1		1	1
	120385	WASHER, #12 FLAT (12.9190)				1				1		1	1
	110730	LOCKWASHER, 3/8" (12.9200)				1				1		1	1
	122236	NUT, 3/8"-24 HEX. (12.9120)				1				1		1	1
	5168374	NUT (7/8" L.) (3.3090)				1				1		1	1
		7.4527 - CLIP, AIR SHUTOFF CONTROL WIRE (RESET)											
	3290569	CLIP (7.8320)				1							
	5163442	CLIP (2.9428)								1			1
	3223197	CLIP (12.4080)					4						
	3290573	CLIP (12.4080)										1	1
	5127630	BRACKET (7.4525)				1						1	1
	123298	BOLT, 1/4"-28X3/8" (12.9001)				1							
	180120	BOLT, 3/8"-16X3/4" (12.9001)				1						1	1
	120380	LOCKWASHER, 1/4" (12.9200)				1							
	103321	LOCKWASHER, 3/8" (12.9200)				AR						AR	AR
	121902	NUT, 1/4"-28 HEX. (12.9120)				1							
	102635	NUT, 3/8"-16 HEX. (12.9120)				1						1	1
		7.4538 - ROD, AIR SHUTOFF SOLENOID CONTROL											
	5115836	LINK				1				1		1	1
6B	5121913	LINK	2	1	1		1				1		
	103361	PIN, 1/16"X1/2" COTTER (12.9250)	2	1	1		1				1		
	112526	PIN, 1/16"X3/8" COTTER (12.9250)				1				1		1	1
6B	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)	2	1	1		1				1		
	5115204	BOLT (LINK TO LATCH) (7.4519)				1				1		1	1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4311	4312	4314	4440	4442	4443	4445	4446	4449	4452	4459
		7.4538 - ROD, AIR SHUTOFF SOLENOID CONTROL (CONT'D)											
6B	**120392**	WASHER, 1/4" PLAIN (12.9190)	4	2	2		2				2		
	120380	LOCKWASHER, 1/4" (12.9200)				1				1			
6B	**114492**	NUT, 1/4"-28 (JAM) (12.9120)		2		1	1			1	2	1	1
		7.4545 - HARNESS, AIR SHUTOFF WIRING											
	5109526	* @ HARNESS					1						
	8921650	HARNESS (7.7001)					1						
		* FOR USE WITH SHUTDOWN SOLENOID RELAY.											
		@ NO LONGER AVAILABLE FOR SERVICE.											
		7.4550 - HOUSING, AIR SHUTOFF CONTROL											
	5113159	BOX ASSY. (INCLUDES STUDS AND PLUG)				1				1		1	1
	5113158	STUD, #10-32X11/16" (7.4519)				2				2		2	2
	5113157	PLUG, #10-32X1/2" (7.4519)				1				1		1	1
	186676	BOLT, 1/4"-20X5/8" (12.9001)				1				1		1	1
	120380	LOCKWASHER, 1/4" (12.9200)				1				1		1	1
		7.4553 - COVER, AIR SHUTOFF CONTROL HOUSING											
	5113160	COVER				1				1		1	1
	271169	WASHER ASSY. (12.9120)				2				2		2	2
		7.4560 - SPRING, AIR SHUTOFF RESET LATCH											
	5125878	SPRING (6.25 FREE L.) (WITH 90° WIRE) (3.3070)				1						1	1
	5128972	SPRING (7.70 FREE L.) (WITH 50° WIRE) (3.3070)								1			
		7.4586 - SWITCH, OIL PRESSURE											
6A	**5100722**	SWITCH (10# BREAK)					1	1			1		
	5186528	BELLOWS ASSY.				1				1		1	1
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)						1			1		
	5177752	ELBOW, 1/8"X1/8"X1/4" RED. (2.7890)						1					
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)								1			
	444000	ADAPTOR, 1/4" PIPE (BRASS) (12.9460)						1					
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)					1				1		
	2191465	TEE, 1/8"									1		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4311	4312	4314	4440	4442	4443	4445	4446	4449	4552	4559
		7.4586 - SWITCH, OIL PRESSURE (CONT'D)											
	132105	SCREW, #10-32X3/8" (12.9025)				4				4		4	4
	271169	NUT, #10-32 HEX. (WITH LOCKWASHER) (7.4519)				4				4		4	4
		7.4596 - TUBE, OIL PRESSURE SWITCH											
	5130167	TUBE (DEV. L. 15.24") (BLOCK TO TEMP. VALVE)										1	1
	5130165	TUBE (DEV. L. 19.06") (OVERSPEED GOVERNOR TO VALVE)											1
	5127389	TUBE (DEV. L. 19.60") (BLOCK TO TEMP. VALVE)				1							
	5129973	TUBE (DEV. L. 28.12") (GOVERNOR TO BELLOWS)				1							1
	5100117	TUBE (DEV. L. 28.52") (TEMP. VALVE TO OVERSPEED GOVERNOR)				1							
	5130162	TUBE (DEV. L. 42.50") (BELLOWS TO VALVE)										1	
	5170502	* HOSE, FLEX. (BELLOWS TO TEMP. VALVE)								1			
	5127741	* HOSE, FLEX. (ADAPTOR TO ELBOW) (2.5205)								1			
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)				1						1	1
	5127706	CONNECTOR (RESTRICTED)				1				1		1	1
	2294381	ADAPTOR, 1/2"-20 (2.5210)								1			
	5126391	TEE (5/16" INV. FL. TUBE X 1/4" PIPE 90 DEG.)				1							
	9413261	TEE (5/16" INV. FL. TUBE X 1/4" PIPE) (12.9480)										1	1
	442347	TEE, 5/16" TUBE (12.9490)											1
	140582	CLIP (8.3400)								3			
	3223241	CLIP										4	4
	5178450	CLIP, 5/16" TUBE										1	
	3290459	CLIP (5/8" L., 3/8" BOLT) (2.5220)				3						3	3
	5160629	SPACER (4.2270)								2			
	5112241	CLAMP (2.5070)				2							
	120221	BOLT, #10-24X1/2" (12.9001)				1							
	443603	BOLT, 1/4"-20X3/4" (12.9001)										2	2
	179833	BOLT, 3/8"-16X1/2" (12.9001)				1							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)								1			
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)								1			
	122223	BOLT, 7/16"-14X5/8" (12.9001)										1	
	120217	LOCKWASHER, #10 (12.9200)				1							
	120380	LOCKWASHER, 1/4" (12.9200)										2	2
	103321	LOCKWASHER, 3/8" (12.9200)				1							
	103322	LOCKWASHER, 7/16" (12.9200)										1	
	110633	NUT, #10-24 HEX. (12.9120)				1							
	120376	NUT, 5/16"-18 HEX. (12.9120)										2	2

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4311	4312	4334	4440	4442	4443	4445	4446	4449	4452	4459
		7.4596 - TUBE, OIL PRESSURE SWITCH (CONT'D)											
	120376	NUT, 5/16"-18 HEX. (12.9120)										2	2
		* OBSOLETE.											
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN											
	5128572	TUBE (DEV. L. 29.28") (TEMP. VALVE TO BLOCK)				1							
	5130163	TUBE (DEV. L. 30.70") (TEMP. VALVE TO BLOCK)										1	1
	5124393	HOSE, FLEX. (DRAIN) (2.5210)								1			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1						2	2
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1							
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)				1						1	1
	5114541	BRACKET (7.1585)										1	1
	5158973	CLIP, 3/8" (4.8040)										1	1
	454894	BOLT, 1/4"-20X3/4" (12.9001)										1	1
	120380	LOCKWASHER, 1/4" (12.9200)										1	1
	120376	NUT, 1/4"-20 HEX. (12.9120)										1	1
		7.4598 - SWITCH, ALARM SHUT-OFF											
6A	3292162	SWITCH (TOGGLE)					1						
6A	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)					1				1		
	5183261 #	SWITCH (AUX. RELAY) (12V.) (7.2440)									1		
	5131517	HOSE, FLEX. (18 9/16" L.) (FUEL PUMP TO FILTER) (2.5100)					1						
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1						
	444136	TEE, 3/8" PIPE (12.9616)					1						
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1						
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)					1						
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)					1						
		# THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.											
		7.4600 - BRACKET, ALARM SHUTOFF SWITCH											
	5127699 *	BRACKET (7.4711)					1				1		
	180016 *	BOLT, 1/4"-20X1/2" (12.9001)					2				2		
	120380 *	LOCKWASHER, 1/4" (12.9200)					2				2		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4311	4321	4334	4340	4422	4433	4445	4466	4492	4522	4559
		7.4600 - BRACKET, ALARM SHUTOFF SWITCH (CONT'D)											
	103321	* LOCKWASHER, 3/8" (12.9200)					2				2		
	120375	* NUT, 1/4"-20 HEX. (12.9120)					2				2		
	117049	* NUT, 3/8"-24 HEX. (12.9120)					2				2		
		* *THRU 6VA-30403, 12VA-6435 NOT SERVICED AS AN ASSY., COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5134505.*											
		7.4611 - GOVERNOR, OVERSPEED TRIP											
		SEE ASSEMBLY BREAKDOWN PAGE A1.											
	5186484	* GOVERNOR ASSY. (TO 2100 RPM ENG. SPD.)											1
6D	5110132	@ GOVERNOR ASSY. (TO 2600 RPM ENG. SPD.)				1							
	5134505	# GOVERNOR ASSY. (TO 2100 RPM ENG. SPD.)											1
	5134506	+ GOVERNOR ASSY. (TO 2600 RPM ENG. SPD.)				1							
	173203	TEE, 5/16" INV. FL. TUBE (12.9490)				1							
		* THRU 6VA-30403, 12VA-6435 NOT SERVICED AS AN ASSY., COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5134505											
		@ THRU 6VA-33290, 8VA-25519, 12VA-7935 NOT SERVICED AS AN ASSY., COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5134506.											
		# EFFECTIVE WITH 6VA-30404, 12VA-6436.											
		+ EFFECTIVE WITH 6VA-33291, 8VA-25520, 12VA-7936.											
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR											
	5125184	ADAPTOR				1							1
	5126622	SEAL (1.2020)				1							1
	140869	SCREW, #10-24X5/16" SET (12.9076)				1							1
	179839	BOLT, 3/8"-16X1" (12.9001)											2
	9430221	*BOLT, 3/8"-24X4 3/4" (12.9001)*				4							4
	103321	LOCKWASHER, 3/8" (12.9200)				6							6
		7.4638 - GASKET, OVERSPEED TRIP GOVERNOR ADAPTOR											
	51222227	GASKET (1.5060)				1							1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4311	4312	4334	4440	4442	4443	4445	4446	4449	4452	4459
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET											
	5128573	TUBE (DEV. L. 43.00")				1							
	5130164	TUBE (DEV. L 53.24")										1	1
	5125900	HOSE, FLEX. (2.5150)								1			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)								1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1						1	1
	444148	TEE, 1/4"-28 INT., EXT. (12.9616)								1			
	5177331	BRACKET (4.8042)										1	1
	5151883	CLIP (2.5070)										1	1
	5169119	CLIP (2.5120)				1							
	5171509	CLIP (9.1591)								1			
	179816	BOLT, 5/16"-18X3/4" (12.9001)										1	1
	120393	WASHER, 5/16" FLAT (12.9190)										1	1
	103320	LOCKWASHER, 5/16" (12.9200)										1	1
	120376	NUT, 5/16"-18 HEX. (12.9120)										1	1
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET											
	5170501	TUBE (DEV. L. 18.40")								1			
	5127388	TUBE (DEV. L. 42.44")				1							
	5130166	TUBE (DEV. L. 45.70")										1	1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)										2	2
	5138298	* ELBOW ASSY., 3/8" SEALASTIC (12.9425)								1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				2							
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)								1			
	116524	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)				1				1		1	1
	5169119	CLIP (2.5120)				2						2	2
		* INCLUDES SEAL IN 7.4699 PLUS NUT NOT SOLD SEPARATELY.											
		7.4707 - RELAY, TIME DELAY											
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.											
	8921717	RELAY KIT					1				1		
	8921717	RELAY ASSY. (12, 24V)					1				1		
	132788	SCREW, #8-32X1 3/4" RD. HD. SL. (12.9025)					2				2		
	446143	WASHER, #8 FLAT (12.9190)					2				2		
	121841	LOCKWASHER, #8 (12.9200)					2				2		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4311	4312	4334	4340	4442	4443	4445	4446	4449	4452	4459
		7.4709 - RESISTOR, TIME DELAY RELAY											
		A RESISTOR ASSY. INCLUDES LUGS.											
	5182787	* RESISTOR ASSY. (4 OHM) (12V.)									1		
	5182791	* RESISTOR ASSY. (12 OHM) (24V.)					1						
	5277322	LUG			2		2		2		2		
	100946	* SCREW, #6-32X1/2" RD. HD. SL. (12.9025)					1						
	132796	SCREW, #8-32X2 1/4" HD. SL. SL. (12.9025)					1				1		
	446121	* WASHER, #6 FLAT (12.9190)					AR						
	446143	WASHER, #8 FLAT (12.9190)					AR				AR		
	131044	LOCKWASHER, #6 (12.9200)					AR						
	121841	LOCKWASHER, #8 (12.9200)					AR				AR		
	134530	* NUT, #6-32 HEX. (12.9120)					AR						
	120622	NUT, #8-32 HEX. (12.9120)					AR				AR		
		* OBSOLETE											
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING											
		A BRACKET ASSY. INCLUDES MOUNTING ASSY. 1580295.											
	5188436	BRACKET ASSY.					1				1		
	5182531	* PLATE (BETWEEN RELAY AND BRACKET)					1				1		
	1580295	MOUNTING ASSY. (ANTI-VIBRATION) (7.4064)					1				1		
	132768	SCREW, #8-32X3/4" RD. HD. SL. (12.9025)					4				4		
	121841	LOCKWASHER, #8 (12.9200)					4				4		
	120622	NUT, #8-32 HEX. (12.9120)					4				4		
		* OBSOLETE											
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING											
	5182532	* INSULATOR					1				1		
		* OBSOLETE											

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 461	462	463	464	466	467	469	470	472	474	476	478
		7.4505 - SWITCH, WATER TEMPERATURE												
	5130262	+ SWITCH		1	1	1		1	1		1			
6A	5146080	SWITCH												1
6A	5109438	@ SWITCH ASSY.		1	1	1		1	1		1			
6A	5144496	SWITCH ASSY. (NORMALLY OPEN)		1	1	1		1	1		1			
	5120976	VALVE ASSY. (200 DEG.)	1				1			1		1	1	
	5130273	* VALVE, THERMOSTAT		1	1	1		1	1		1			
	5130269	+ ADAPTOR, SWITCH (TO EXHAUST MANIFOLD)		1	1	1		1	1		1			
	5130268	& COVER, SWITCH		1	1	1		1	1		1			
	5131438	* # COVER, SWITCH		1	1	1		1	1		1			
	5131437	* # BRACKET, SHUTDOWN SWITCH		1	1	1		1	1		1			
	5130263	& BRACKET, SHUTDOWN SWITCH		1	1	1		1	1		1			
	5163830	GASKET (7.4586)	1	1	1	1	1	1	1	1	1	1	1	
	5130261	+ ACTUATOR, SWITCH		1	1	1		1	1		1			
	5130264	* PLATE, SWITCH SUPPORT		1	1	1		1	1		1			
	421556	* SCREW, #2-56X3/4" RD. HD. SL. (12.9027)		2	2	2		2	2		2			
	132776	* SCREW, #8-32X1" RD. HD. (12.9025)		2	2	2		2	2		2			
	188978	* SCREW, #10-24X3/8" (12.9001)		2	2	2		2	2		2			
	5130270	* RING, SENSING SEAL		1	1	1		1	1		1			
	5130267	* PLUNGER SHUTDOWN SWITCH		1	1	1		1	1		1			
	5130272	* SPRING, COMPRESSION		1	1	1		1	1		1			
	5130266	* PLUG, INSULATOR		2	2	2		2	2		2			
	5130230	* + WIRE, SWITCH		2	2	2		2	2		2			
	444148	TEE, 1/4" PIPE (12.9616)		1					1					
	5104778	TEE (5/8"X1/4") (7.4694)			1									
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)		1										
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)		1					1					
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)		1										
	126266	+ BOLT, #10-24X7/8" RD. HD. (12.9023)		2	2	2		2	2		2			
	5130378	WASHER, SPRING		2	2	2		2	2		2			
	5130265	* WASHER, INSULATOR		2	2	2		2	2		2			
	221158	* WASHER, 3/32"X1/4" FLAT (12.9190)		2	2	2		2	2		2			
	446143	* WASHER, 3/16"X3/8" FLAT (12.9190)		2	2	2		2	2		2			
	106496	* LOCKWASHER, #8 (12.9200)		2	2	2		2	2		2			
	120217	* LOCKWASHER, #10 (12.9200)		2	2	2		2	2		2			
	9419440	* NUT, #2-56 (12.9120)		2	2	2		2	2		2			
	120361	* NUT, #10-24 HEX. (12.9120)		4	4	4		4	4		4			
	5130271	* NUT (5/16"-24) VALVE		1	1	1		1	1		1			
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)		1										

* PART OF 5109438 SWITCH ASSY.
@ THRU 8VA-8404, 12VA-2536, 16VA-184 NOT SERVICED, REPLACE WITH 5131228.
& NOT SERVICED. FOR SERVICE USE 1-5141438 COVER AND 1-5131437
+ OBSOLETE

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 461	462	463	464	466	467	469	470	472	474	476	478
		7.4505 - SWITCH, WATER TEMPERATURE (CONT'D)												
		BRACKET.												
		# EFFECTIVE WITH 8VA-8405, 12VA-2537, 16VA-185.												
		+ OBSOLETE.												
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
	5130766	* ADAPTOR (FLANGE)				1								
	5109718	ADAPTOR ASSY.	1	1	1	1	1	1	1	1	1	1	1	
	5113655	STUD, 5/16"-18-24X2.46"	2	2	2	2	2	2	2	2	2	2	2	
	5127387	STUD, 7/16"-14-20X4"				4								
	5109717	PLUNGER	1	1	1	1	1	1	1	1	1	1	1	
	5109719	SPRING	1	1	1	1	1	1	1	1	1	1	1	
	5121182	PLUG, 1/4" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1	1	
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	
	103322	LOCKWASHER, 7/16" (12.9200)				4								
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	2	2	2	2	2	2	2	2	2	2	
	114544	NUT, 7/16"-20 HEX. (12.9120)				4								
		* OBSOLETE												
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET (6.1110)	1	1	1	1	1	1	1	1	1	1	1	
	5100147	GASKET (FLANGE)				1								
		7.4513 - BELL, ALARM SYSTEM												
6A	**5189833**	BELL (24V.)						1						
6A	**5131954**	+ BELL (12V.) (8921360)										1		
		+ NOT SERVICED; USE NUMBER IN PARENTHESES.												
		7.4514 - RELAY, ALARM BELL												
6A	**5177780**	RELAY (24V.)						1						
6A	**3290747**	RELAY (12V.)										1		
		7.4519 - SOLENOID, AIR SHUT-OFF												
6A	**1118191**	* SOLENOID (24V.)		1	1				1		1			
6A	**1118128**	* SOLENOID (12V.)				2								1
	117461	BOLT, 1/4"-20X9/16" (12.9001)		4	4	8			4		4			4
	120392	WASHER, 1/4" FLAT (12.9190)				8								
	103319	LOCKWASHER, 1/4" (12.9200)		4	4	8			4		4			4

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4611	4612	4613	4614	4616	4617	4619	4620	4622	4624	4626	4628
		7.4519 - SOLENOID, AIR SHUT-OFF (CONT'D)												
		* PROCURE FROM UNITED DELCO.												
		7.4522 - SWITCH, AIR SHUTOFF SOLENOID LIMIT												
	5184590	@ SWITCH (24V.) (7.2440)				1			1		1			
	5183261	@ SWITCH (12V.) (7.2440)												1
		@ THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.												
		7.4525 - WIRE, AIR SHUTOFF CONTROL (RESET)												
	1990953	WIRE ASSY. (50" L.) (3.3250)	1				1			1			1	
	5126538	PLATE, INSTRUCTION	1				1			1			1	
	273669	PIN, 5/16"X7/16" L. SPRING (12.9200)	1				1			1			1	
	132105	SCREW, #10-32X3/8" (12.9010)	1				1			1			1	
	120385	WASHER, #10 FLAT (12.9190)	1				1			1			1	
	110730	LOCKWASHER, 3/8" (12.9200)	1				1			1			1	
	5168374	NUT (7/8" L.)	1				1			1			1	
	122236	NUT, 3/8"-24 HEX. (12.9120)	1				1			1			1	
		7.4527 - CLIP, AIR SHUTOFF CONTROL WIRE (RESE T												
	5163442	CLIP	1							1			1	
	3290569	CLIP (7.8320)					1							
	5155464	BRACKET (7.1582)	1							1			1	
	123298	BOLT, 1/4"-28X3/8" (12.9001)					1							
	181595	BOLT, 5/16"-24X3/4" (12.9001)	1							1			1	
	103319	LOCKWASHER, 1/4" (12.9200)					1							
	103320	LOCKWASHER, 5/16" (12.9200)	1							1			1	
	103321	LOCKWASHER, 3/8" (12.9200)	1											
	121902	NUT, 1/4"-28 HEX. (12.9120)					1							
	114493	NUT, 5/16"-24 HEX. (12.9120)								1			1	
		7.4535 - BRACKET, AIR SHUTOFF SOLENOID LIMIT SWITCH												
	5127699	@ BRACKET (7.4711)				1			1		1			1
	180016	@ BOLT, 1/4"-20X1/2" (12.9001)												4
	120380	@ BOLT, 1/4"-28X1/2" (12.9001)				4			4		4			
	103319	@ LOCKWASHER, 1/4" (12.9200)				4			4		4			4
	120375	@ NUT, 1/4"-20 HEX. (12.9120)												4

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4061	4062	4063	4064	4066	4067	4069	4070	4072	4074	4076	4078
		7.4535 - BRACKET, AIR SHUTOFF SOLENOID LIMIT SWITCH (CONT'D)												
	121902	@ NUT, 1/4"-28 HEX. (12.9120)				4			4		4			
		@ THRU 6VA-41300, 8VA-49600, 12VA-11749. EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.												
		7.4538 - ROD, AIR SHUTOFF SOLENOID CONTROL												
	5115836	+ LINK	1			1			1					
	5121913	LINK		1	1	2			1		1			1
	112526	+ PIN, 1/16"X3/8" COTTER (12.9250)	1			1			1					
	5176810	PIN (1/4"X1 1/4" CLEVIS) (2.9410)		1	1	2			1		1			1
	103361	PIN, 1/16"-1/2" COTTER (12.9250)		1	1	2			1		1			1
	5115204	+ BOLT (1/4"-28X1.26" L.) (7.4519)	1				1			1				
	120392	WASHER, 1/4" PLAIN (12.9190)		2	2	4			2		2			2
	120380	LOCKWASHER, 1/4" (12.9200)	1				1			1				
	114492	NUT, 1/4"-28 (JAM) (12.9120)	2	2	2	4			2		2			2
		+ USE WITH 5127753 SHUTDOWN ASSY. IN 3.3000A.												
		7.4545 - HARNESS, AIR SHUTOFF WIRING												
	5139597	@ HARNESS				1								
	5139596	@ HARNESS							1		1			
	5129192	@ HARNESS												1
	5114551	TAG				1								
	3223197	CLIP				1			4		4			
	140573	CLIP (12.9630)							2		2			
	3290076	CLIP, 5/8" (4.8040)							1		1			
		@ NO LONGER AVAILABLE FOR SERVICE.												
		7.4550 - HOUSING, AIR SHUTOFF CONTROL												
	5113159	+ BOX ASSY. (INCLUDES STUDS AND PLUG)	1			1			1					
	186676	+ BOLT, 1/4"-20X5/8" (12.9001)	1			1			1					
	120380	+ LOCKWASHER, 1/4" (12.9200)	1			1			1					
		+ USE WITH 5127753 SHUTDOWN ASSY. IN 3.3000A.												
		7.4553 - COVER, AIR SHUTOFF CONTROL HOUSING												
	5113160	+ COVER	1				1			1				
	271169	+ WASHER ASSY. (7.4519)	2				2			2				
		+ USE WITH 5127753 SHUTDOWN ASSY. IN												

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 461	462	463	464	466	467	469	470	472	474	476	478
		7.4553 - COVER, AIR SHUTOFF CONTROL HOUSING (CONT'D)												
		3.3000A.												
		7.4560 - SPRING, AIR SHUTOFF RESET LATCH												
	5128972	SPRING (7.70 FREE L.) (WITH 50" WIRE) (3.3070)	1				1			1			1	
		7.4586 - SWITCH, OIL PRESSURE												
6A	5100722	SWITCH (10# BREAK)		1	1	1		1	1		1	1		1
6A	5100720	SWITCH (27# BREAK)				1			1		1			
	5186528	+ BELLOWS ASSY.	1				1			1				
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)						1	1		1			
	5177752	ELBOW (1/8"X1/8"X1/4" RED.) (2.7890)						1						
	444000	ADAPTOR, 1/4" PIPE (BRASS) (12.9460)						1						
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)			1									
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)				2			1		1			
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)												1
	5182120	NIPPLE, 1/8"X.76" (7.4074)							1		1			
	178996	TEE, 1/8" PIPE (12.9616)			1									
	144082	TEE, 1/8" PIPE (12.9616)							1		1			
	444255	TEE, 1/4" PIPE (12.9616)				1								
	132105	+ SCREW, #10-32X3/8" (12.9025)	4				4			4				
	271169	+ NUT, #10-32 HEX. (WITH LOCKWASHER) (7.4519)3.3000A	4				4			4				
		+ USE WITH SHUTDOWN ASSY. 5127753 IN 3.3000A												
		7.4596 - TUBE, OIL PRESSURE SWITCH												
	5127866	* TUBE (DEV. L. 7.36") (TEMP. VALVE TO OVERSPEED VALVE)										1		
	5130165	TUBE (DEV. L. 19.06") (TEMP. VALVE TO OVERSPEED GOVERNOR)	1							1				
	5130167	TUBE (DEV. L. 19.60") (BLOCK TO TEMP. VALVE)	1							1			1	
	5128616	TUBE (DEV. L. 20.24") (BLOCK TO TEMP. VALVE)					1							
	5131485	TUBE (DEV. L. 36.16") (COOLER TO VALVE)								1				
	5131477	TUBE (DEV. L. 39") (VALVE TO BELLOWS)											1	
	5146030	TUBE (DEV. L. 37.44") (VALVE TO BELLOWS)					1							

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4611	4612	4613	4614	4616	4617	4619	4701	4702	4704	4706	4708
		7.4596 - TUBE, OIL PRESSURE SWITCH (CONT'D)												
	5130778	TUBE (DEV. L. 41.92") (COOLER TO VALVE)						1			1		1	
	5133170	HOSE, FLEX. (40 3/4" L.)	1											
	5115727	@ HOSE, FLEX. (26" L.) (5113689 #6X75")				2								
	5162839	HOSE, FLEX. (30 1/2" L.)					1							
	5113214	FITTING (12.6689)				2								
	5113191	FITTING (12.6692)				2								
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)				1								
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)					1							
	5127706	CONNECTOR (RESTRICTED)	1							1			1	
	5126307	CONNECTOR (RESTRICTED)					1							
	442322	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)											1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1					1		1	1		1	
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)				2	1							
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)				1								
	444148	TEE, 1/4" PIPE (12.9616)				1	1							
	442347	TEE, 5/16" TUBE (12.9490)	1							1				
	9413261	TEE (5/16" INV. FL. TUBE X 1/4" PIPE) (12.9490)	1				1			1			1	
	5104778	TEE, 3/8" INV. FL. TUBE (7.4694)	1					1		1	1		1	
	5177623	CLIP (2.5120)	1					1		1	1		1	
	5163442	CLIP (2.9428)								1				
	2488022	CLIP (12.8554)	2											
	5171509	CLIP (9.1591)				1								
	5173022	CLIP (5.5379)				1								
	5159490	CLIP (7.4076)					2							
	3290076	CLIP (4.8040)					1							
	3290459	CLIP, 5/16" (2.5220)											2	
	3290573	CLIP (12.4080)											1	
	5112241	CLAMP (2.5070)					2							
	110502	BOLT, #10-24X3/4" (12.9001)					1							
	179835	BOLT, 3/8"-16X5/8" (12.9001)				1								
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1										1	
	181361	BOLT, 3/8"-24X7/8" (12.9001)								1				
	120217	LOCKWASHER, #10 (12.9200)					1							
	103321	LOCKWASHER, 3/8" (12.9200)				1				1			1	
	110633	NUT, #10-24 HEX. (12.9120)					1							
	117049	NUT, 3/8"-24 HEX. (12.9120)								1				
		* OBSOLETE.												
		@ NOT SERVICED; USE STANDARD LENGTH HOSE SHOWN.												
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN												
	5127857	* TUBE (DEV. L. 11.80") (OVERSPEED VALVE DRAIN)										1		
	5127815	* TUBE (DEV. L. 26.50") (OVERSPEED										1		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4611	4612	4613	4614	4616	4617	4619	4620	4622	4624	4626	4628
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN (CONT'D)												
		VALVE TO BLOCK DRAIN)												
	5130777	TUBE (DEV. L. 29.28") (TEMP. VALVE TO BLOCK)	1									1		
	5131415	TUBE (DEV. L. 32.28") (VALVE DRAIN) (7.4694)								1				
	5130776	TUBE (DEV. L. 37.38") (WATER PUMP TO VALVE)										1		
	5130779	TUBE (DEV. L. 41.50") (WATER PUMP TO VALVE)		1					1					
	5125901	HOSE, FLEX. (37 1/4" L.) (VALVE DRAIN)					1							
	143338	ELBOW, 3/8" FL. TUBE 45 DEG. (12.9480)	1						1					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2							1		3	3	
	118755	ELBOW, 3/8" FL. TUBE 90 DEG. (12.9390)					1							
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1					1	1		1	1	
	144025	BUSHING, 1/2"X1/4" RED. (12.9570)	1	1			1		1	1			2	
	442348	TEE, 3/8" INV. FL. TUBE (12.9490)										1		
	5130913	BRACKET		2					2	1		2		
	5127814	* BRACKET										1		
	5112241	CLAMP (2.5070)										2		
	5160629	SPACER, 13/32"X17/32" (4.2270)					1							
	5160388	CLIP (2.5070)		2					2	1			2	
	3290076	CLIP (4.8040)					2							
	5169119	CLIP, 3/8" (2.5120)										2		
	120221	BOLT, #10-24X1/2" (12.9001)										1		
	186618	BOLT, 5/16"-18X5/8" (12.9001)										1		
	181361	BOLT, 3/8"-24X7/8" (12.9001)		2					2	1			2	
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)					1							
	120217	LOCKWASHER, #10 (12.9200)										1		
	103320	LOCKWASHER, 5/16" (12.9200)										1		
	103321	LOCKWASHER, 3/8" (12.9200)		2					2	1			2	
	110633	NUT, #10-24 HEX. (12.9120)										1		
	120376	NUT, 5/16"-18 HEX. (12.9120)										1		
	117049	NUT, 3/8"-24 HEX. (12.9120)		2					2	1			2	
		* OBSOLETE.												
		7.4598 - SWITCH, ALARM SHUTOFF												
6A	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)		2	2	1			1		1			1
	5189800	* SWITCH (SOLENOID) (24V.)		1	1									
6A	3292162	SWITCH (TOGGLE)						1						
	5100721	SWITCH (30# MAKE) (FUEL PRESSURE)										1		
	5131091	ELBOW (7.4586)			1									

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4601	4602	4603	4604	4606	4607	4609	4610	4612	4614	4616	4618
		7.4598 - SWITCH, ALARM SHUTOFF (CONT'D)												
	2101825	ELBOW (90 DEG.) (7.4074)										1		
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)		1	1									1
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)				1								
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)										1		
	9409943	TEE, 1/8" PIPE (7.4586)		1										
	2191465	TEE, 1/4" PIPE BR. (7.8295)		1	1				1		1			1
	5127510	TEE, 1/4" INV. FL. TUBE (12.9490)										1		
		* THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.												
		7.4600 - BRACKET, ALARM SHUTOFF SWITCH												
	5127699 *	BRACKET (7.4711)		1	1									
	180016 *	BOLT, 1/4"-20X1/2" (12.9001)		2	4									
	103319 *	LOCKWASHER, 1/4" (12.9001)		2	4									
	120375 *	NUT, 1/4"-20 HEX. (12.9120)		2	4									
		* THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.												
		7.4611 - GOVERNOR, OVERSPEED TRIP												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5134505	GOVERNOR ASSY.	1							1				
6E	5186484 *	GOVERNOR ASSY.	1							1				
	5128393 @	GOVERNOR ASSY. (WITH SHAFT)		1				1	1		1			
	5131874 #	GOVERNOR ASSY.		1				1	1		1			
	173203	TEE, 5/16" INV. FL. TUBE (12.9490)	1											
	179839	BOLT, 3/8"-16X1" (12.9001)		2				2	2		2			
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)		4				4	4		4			
	103321	LOCKWASHER, 3/8" (12.9200)		6				6	6		6			
		* NOT SERVICED AS AN ASSY., COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5134505 GOVERNOR ASSY.												
		@ THRU 8VA-10373, 12VA-3869 NOT SERVICED AS AN ASSY., COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5131874 GOVERNOR ASSY.												
		# EFFECTIVE WITH 8VA-10374, 12VA-2870.												

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4611	4612	4613	4614	4616	4617	4619	4710	4712	4714	4716	4718
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR												
	5125184	ADAPTOR	1							1				
	5126622	SEAL (1.2020)	1							1				
	140869	SCREW, #10-24X5/16" SET (12.9076)	1							1				
	179839	BOLT, 3/8"-16X1" (12.9001)	2							2				
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)	4							4				
	103321	LOCKWASHER, 3/8" (12.9200)	6							6				
		7.4638 - GASKET, OVERSPEED TRIP GOVERNOR ADAPTOR												
	5122227	GASKET (1.5060)	1							1				
		7.4668 - TUBE, OVERSPEED TRIP GOVERNOR OIL SUPPLY												
	5127845 *	TUBE (DEV. L. 12.00")										1		
	5127769	TUBE (DEV. L. 23.56")								1				
	5131686	TUBE (DEV. L. 26.20")	1											
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)	1											
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)								1				
	173203	TEE, TWO WAY, 5/16" TUBE (12.9490)								1				
	5126391	TEE (1/4" INV. FL. TUBE) (7.4596)										1		
	5164312	TEE (5/16" INV. FL. TUBE) (4.3001)										1		
	5159490	CLIP, 5/16" (7.4076)	1							1				
		* OBSOLETE.												
		7.4573 - TUBE, SOLENOID VALVE												
	5127798 *	TUBE (DEV. L. 13.28") (BLOCK TO OVERSPEED VALVE)										1		
	5127855 *	TUBE (AIR BOX TO OVERSPEED VALVE)										1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1		
	5127706	CONNECTOR (RESTRICTED) (7.4596)										1		
	5127510	TEE, 3/8" TUBE (12.9490)										1		
		* OBSOLETE.												
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET												
	5146031	TUBE (DEV. L. 16.85") (OIL COOLER TO TEMPERATURE VALVE)		1					1					
	5101401	TUBE (DEV. L. 45.81") (VALVE TO OIL COOLER)			1							1		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 461	462	463	464	466	467	469	470	472	474	476	478
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)												
	5127388	TUBE (DEV. L. 42.40") (TO WATER PUMP OUTLET)			1									
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			3							2		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1				1			1		
	5104778	TEE (3/8" INV. FL. TUBE, 1/4" PIPE TAP)							1			1		
	5166565	BRACKET, CLIP (9.1591)			1									
	5177623	CLIP, 3/8" TUBE (2.5120)		1					1					
	5151883	CLIP (2.5070)			1									
	5169119	CLIP, 3/8" (2.5120)			2							2		
	5110070	CLIP (2.5120)										1		
	5131190	CLIP (2.5120)			2									
	144025	BUSHING, 1/2"X1/4" RED. (12.9570)			1							1		
	189060	BUSHING, 3/4X1/4 RED. (12.9570)			1									
	179837	BOLT, 3/8"-16X3/4" (12.9001)			1									
	103341	WASHER, 3/8" FLAT (12.9190)			1									
	103321	LOCKWASHER, 3/8" (12.9200)			1									
	102635	NUT, 3/8"-16 HEX. (12.9120)			1									
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET												
	5131416	TUBE (DEV. L. 16.22") (7.4597)								1				
	5130776	TUBE (DEV. L. 37.38") (TEMP. VALVE WATER RETURN)	1					1			1			
	5128643	* TUBE (DEV. L. 53.24")					1							
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1				2	1		2	1			
	137407	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1					1			1			
	5130913	BRACKET, CLIP (7.4597)	2					2			2			
	144025	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)	1				1	1			1			
	5160629	SPACER, 13/32"X17/32" (4.2270)					2							
	5160388	CLIP (2.5070)	2					2			2			
	5177623	CLIP, 3/8" TUBE (2.5120)					2							
	179837	BOLT, 3/8"-16X3/4" (12.9001)					2							
	181361	BOLT, 3/8"-24X7/8" (12.9001)	2					2			2			
	103321	LOCKWASHER, 3/8" (12.9200)	2				2	2			2			
	117049	NUT, 3/8"-24 HEX. (12.9120)	2					2			2			

* NOT SERVICED, USE 5130779 AND INCLUDE 1-137407 CONNECTOR, 1-143343 ELBOW, 2-5130913 BRACKET AND 2-5160388 CLIP.

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4611	4612	4613	4614	4616	4617	4619	4620	4622	4624	4626	4628
		7.4707 - RELAY, TIME DELAY												
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.												
	8921717	RELAY KIT		1	1									1
	5182544	* RELAY ASSY. (12V.)												1
	5182545	* RELAY ASSY. (24V.)		1	1									
	132788	SCREW, #8-32X1 3/4" RD. HD. SL. (12.9025)		2	2									2
	446143	WASHER, #8 FLAT (12.9190)		2	2									2
	121841	LOCKWASHER, #8 (12.9200)		2	2									2
		* NOT SERVICED, USE 8921717 KIT												
		7.4709 - RESISTOR, TIME DELAY RELAY												
		A RESISTOR ASSY. INCLUDES LUGS.												
	5182787	* RESISTOR ASSY. (12V.) (4 OHM)												1
	5182791	* RESISTOR ASSY. (24V.) (12 OHM)		1	1									
	5277322	LUG		2	2									2
	100946	* SCREW, #6-32X1/2" RD. HD. SL. (12.9025)		1	1									
	132796	SCREW, #8-32X2 1/4" RD. HD. SL. (12.9025)		1	1									1
	446121	* WASHER, #6 FLAT (12.9190)		AR	AR									
	446143	WASHER, #8 FLAT (12.9190)		AR	AR									AR
	131044	LOCKWASHER, #6 (12.9200)		AR	AR									
	121841	LOCKWASHER, #8 (12.9200)		AR	AR									AR
	134530	* NUT, #6-32 HEX. (12.9120)		AR	AR									
	120622	NUT, #8-32 HEX. (12.9120)		AR	AR									
		* OBSOLETE												
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING												
	5188436	BRACKET ASSY. (INCLUDES MOUNTING ASSY.)		1	1									1
	5182531	# PLATE (BETWEEN RELAY AND BRACKET)		1	1									1
	1580295	MOUNTING ASSY. (ANTI-VIBRATION) (7.4064)		1	1									1
	132768	SCREW, #8-32X3/4" RD. HD. SL. (12.9025)		4	4									4
	121841	LOCKWASHER, #8 (12.9200)		4	4									4
	120622	NUT, #8-32 HEX. (12.9120)		4	4									4
		# OBSOLETE												

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4611	4612	4613	4614	4616	4617	4619	4620	4622	4624	4626	4628
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING												-
	5182532 *	INSULATOR * OBSOLETE		1	1									1
		7.4725 - VALVE ASSY., OVERSPEED												
		A VALVE ASSY. INCLUDES ITEMS IN 7.4727 THRU 7.4740.												
	5128124 *	VALVE ASSY.										1		
	5127789 *	BRACKET										1		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										2		
	181384	BOLT, 3/8"-24X2 3/4" (12.9001)										2		
	103321	LOCKWASHER, 3/8" (12.9200) * OBSOLETE.										AR		
		7.4727 - HOUSING, OVERSPEED VALVE												
	5128113 *	HOUSING * OBSOLETE.										1		
		7.4729 - COVER, OVERSPEED VALVE												
	5128108 *	COVER (AIR END)										1		
	5128111 *	COVER (OIL END)										1		
	120215 *	SCREW, #10-24X1 1/2" FIL. HD. (12.9010)										8		
	120217	LOCKWASHER, #10 (12.9200) * OBSOLETE.										8		
		7.4731 - PISTON, OVERSPEED VALVE												
	5128105 *	PISTON (AIR)										1		
	5128099 *	PISTON (OIL)										1		
	120392	WASHER, 1/4" FLAT (AIR PISTON) (12.9190)										1		
	120380	LOCKWASHER, 1/4" (12.9200)										2		
	120375	NUT, 1/4"-20 HEX. (12.9120) * OBSOLETE.										2		
		7.4733 - DIAPHRAGM, OVERSPEED VALVE PISTON												
	5128106 *	DIAPHRAGM (AIR)										1		
	5128098 *	DIAPHRAGM (OIL)										1		
	5128096 *	WASHER (1"O.D.X1/4"I.D.)										2		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 461	462	463	464	466	467	469	470	472	474	476	478
		7.4733 - DIAPHRAGM, OVERSPEED VALVE PISTON (CONT'D)												
		* OBSOLETE.												
		7.4737 - SPRING, OVERSPEED VALVE PISTON												
	5128110	* *SPRING (AIR PISTON) (INNER) (RED STRIPE)*										1		
	5128092	* SPRING (OIL PISTON) (OUTER) (RED STRIPE)										1		
	5128095	* SEAT, AIR PISTON SPRING										1		
		* OBSOLETE.												
		7.4739 - SLEEVE, OVERSPEED VALVE ADJUSTING												
	5128104	* SLEEVE										1		
		* OBSOLETE.												
		7.4740 - CAM, OVERSPEED VALVE ADJUSTING												
	5128103	* CAM										1		
	5128097	* GASKET										1		
	181567	BOLT, 1/4"-28X7/8" (12.9001)										1		
	5179709	WASHER										1		
		* OBSOLETE.												

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 479	484	485	486	489	490	491	492	493	495	499				
		7.4505 - SWITCH, WATER TEMPERATURE															
		▪ FOR TYPE 480 USE TYPE 916.▪															
6A	5146080	SWITCH								1			1				
	5130548	SWITCH						1									
6A	5144496	SWITCH ASSY. (NORMALLY OPEN)	1	1	1		1				1			1			
	5120976	VALVE ASSY. (200 DEG.)				1			1			1					
	5163830	GASKET (7.4586)	1	1	1	1	1		1		1	1					
	5104778	TEE (5/8"X1/4") (7.4694)		1	1	1	1										
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH															
	5109718	ADAPTOR ASSY.	1	1	1	1	1		1		1	1					
	5132849	* FLANGE (FRONT)								1							
	5113655	STUD, 5/16"-18-24X2.46"	2	2	2	2	2		2		2	2					
	5133385	STUD, 3/8"-16-24X4"								4							
	5109717	PLUNGER	1	1	1	1	1		1		1	1					
	5109719	SPRING	1	1	1	1	1		1		1	1					
	5121182	PLUG, 1/4" PIPE (12.9550)	1	1	1	1	1		1		1	1					
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2		2		2	2					
	103321	LOCKWASHER, 3/8" (12.9200)								4							
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	2	2	2	2		2		2	2					
	114547	NUT, 3/8"-24 (12.9120)								4							
		* OBSOLETE															
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR															
	5113412	GASKET (6.1110)	1	1	1	1	1		1		1	1					
	5108920	GASKET (FLANGE)									1						
		7.4519 - SOLENOID, AIR SHUT-OFF															
6A	1118191	* SOLENOID (24V.)	1	1	1		1	1		1			1				
6A	1118128	* SOLENOID (12V.)									2						
	117461	BOLT, 1/4"-20X9/16" (12.9001)	4	4	4		4	4		4	8		4				
	120392	WASHER, 1/4" FLAT (12.9190)									8						
	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4		4	4		4	8		4				
		* PROCURE FROM UNITED DELCO.															
		7.4522 - SWITCH, AIR SHUTOFF SOLENOID LIMIT															
	5184590	@ SWITCH (24V.) (7.2440)	1		1						1						
		@ THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT															

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 479	484	485	486	489	490	491	492	493	495	499
		7.4522 - SWITCH, AIR SHUTOFF SOLENOID LIMIT (CONT'D)											
		REQUIRED.											
		7.4525 - WIRE, AIR SHUTOFF CONTROL (RESET)											
	1990953	WIRE ASSY. (50"L.) (3.3250)				1			1				
	5126538	PLATE, INSTRUCTION				1			1				
	273669	PIN, 5/16"X7/16"L. SPRING (12.9200)				1			1				
	132105	SCREW, #10-32X3/8" (12.9010)				1			1				
	120385	WASHER, #10 FLAT (12.9190)				1			1				
	110730	LOCKWASHER, 3/8" (12.9200)				1			1				
	5168374	NUT (7/8"L.)				1			1				
	122236	NUT, 3/8"-24 HEX. (12.9120)				1			1				
		7.4527 - CLIP, AIR SHUTOFF CONTROL WIRE (RESET)											
	5163442	CLIP				1							
	3290569	CLIP (7.8320)							1				
	123298	BOLT, 1/4"-28X3/8" (12.9001)							1				
	103319	LOCKWASHER, 1/4" (12.9200)							1				
	121902	NUT, 1/4"-28 HEX. (12.9120)							1				
		7.4535 - BRACKET, AIR SHUTOFF SOLENOID LIMIT SWITCH											
	5127699 *	BRACKET (7.4711)	1		1						1		
	180016 *	BOLT, 1/4"-20X1/2" (12.9001)	4		4								
	120380 *	BOLT, 1/4"-28X1/2" (12.9001)									4		
	103319 *	LOCKWASHER, 1/4" (12.9200)	4		4						4		
	120375 *	NUT, 1/4"-20 HEX. (12.9120)	4		4								
	121902 *	NUT, 1/4"-28 HEX. (12.9120)									4		
		* THRU 6VA-41300, 8VA-49600, 12VA-11749. EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.											
		7.4538 - ROD, AIR SHUTOFF SOLENOID CONTROL											
	5115836 +	LINK				1			1				
	5121913	LINK	1	1	1		1	1		1	2		1
	112526 +	PIN, 1/16"X3/8" COTTER (12.9250)				1			1				
	5176810	PIN (1/4"X1 1/4" CLEVIS) (2.9410)	1	1	1		1	1		1	2		1
	103361	PIN, 1/16"-1/2" COTTER (12.9250)	1	1	1		1	1		1	2		1
	5115204 +	BOLT (1/4"-28X1.26"L.) (7.4519)				1			1				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 479	484	485	486	489	490	491	492	493	495	499
		7.4538 - ROD, AIR SHUTOFF SOLENOID CONTROL (CONT'D)											
	120392	WASHER, 1/4" PLAIN (12.9190)	2	2	2		2	2		2	4		2
	120380	LOCKWASHER, 1/4" (12.9200)				1			1				
	114492	NUT, 1/4"-28 (JAM) (12.9120)	2	2	2	2	2	2	2	2	4		2
		+ USE WITH 5127753 SHUTDOWN ASSY. IN 3.3000A.											
		7.4545 - HARNESS, AIR SHUTOFF WIRING											
	5139597	@ HARNESS									1		
	5129192	@ HARNESS											1
	5139726	@ HARNESS	1		1								
	5109526	@ HARNESS								1			
	5114551	TAG								1			
	3223197	CLIP	4		4						1		4
	140573	CLIP (12.9630)	2		2								
	3290076	CLIP, 5/8" (4.8040)	1		1								
		@ NO LONGER AVAILABLE FOR SERVICE.											
		7.4550 - HOUSING, AIR SHUTOFF CONTROL											
	5113159	+ BOX ASSY. (INCLUDES STUDS AND PLUG)				1			1				
	186676	+ BOLT, 1/4"-20X5/8" (12.9001)				1			1				
	120380	+ LOCKWASHER, 1/4" (12.9200)				1			1				
		+ USE WITH 5127753 SHUTDOWN ASSY. IN 3.3000A.											
		7.4553 - COVER, AIR SHUTOFF CONTROL HOUSING											
	5113160	+ COVER				1			1				
	271169	+ WASHER ASSY. (7.4519)				2			2				
		+ USE WITH 5127753 SHUTDOWN ASSY. IN 3.3000A.											
		7.4560 - SPRING, AIR SHUTOFF RESET LATCH											
	5128972	SPRING (7.70 FREE L.) (WITH 50" WIRE (3.3070)				1			1				
		7.4586 - SWITCH, OIL PRESSURE											
6A	5100722	SWITCH (10# BREAK)	1	1	1		1			1	1		1
6A	5100720	SWITCH (27# BREAK)	1		1						1		
	5147337	SWITCH						1					

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 479	484	485	486	489	490	491	492	493	495	499
		7.4586 - SWITCH, OIL PRESSURE (CONT'D)											
	5186528	+ BELLOWS ASSY.				1			1				
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)	2		2								
	444000	ADAPTOR, 1/4" PIPE (BRASS) (12.9460)									1		
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)	1	1	1		1						
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)									2		
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)								1			1
	5182120	NIPPLE, 1/8"X.76" (7.4074)	1		1								
	9409943	TEE, 1/8" PIPE (3 WAY)								1			
	144082	TEE, 1/8" PIPE (12.9616)	1		1								
	444255	TEE, 1/4" PIPE (12.9616)									1		
	132105	+ SCREW, #10-32X3/8" (12.9025)				4			4				
	271169	+ NUT, #10-32 HEX. (WITH LOCKWASHER) (7.4519)				4			4				
		+ USE WITH 5127753 SHUTDOWN ASSY. IN 3.3000A.											
		7.4596 - TUBE, OIL PRESSURE SWITCH											
	5127801	TUBE (DEV. L. 14.72") (BLOCK TO TEMP. VALVE)				1							
	5128616	TUBE (DEV. L. 20.24") (BLOCK TO TEMP. VALVE)							1			1	
	5131977	TUBE (DEV. L. 23.70") (COOLER TO ADAPTOR)				1							
	5146030	TUBE (DEV. L. 37.44") (VALVE TO BELLOWS)							1			1	
	5128573	TUBE (DEV. L. 43") (COOLER TO ADAPTOR)			1								
	5146043	TUBE (DEV. L. 46.64") (BELLOWS TO VALVE)				1							
	5146085	TUBE (DEV. L. 20.11") (COOLER TO VALVE)					1						
	5130164	TUBE (DEV. L. 53.24") (COOLER TO ADAPTOR)	1	1									
	5115727	* HOSE, FLEX. (26"L.) (5113689 #6X75")									2		
	5162839	HOSE, FLEX. (30 1/2"L.)										1	
	5113214	FITTING (12.6689)									2		
	5113191	FITTING (12.6692)									2		
	5126391	ELBOW (90 DEG.)				1							
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)									1		
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)				1			1			1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1						
	5127706	CONNECTOR (RESTRICTED)				1							
	5126307	CONNECTOR (RESTRICTED)							1			1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE	1	1	1	1							

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 479	484	485	486	489	490	491	492	493	495	499
		7.4596 - TUBE, OIL PRESSURE SWITCH (CONT'D)											
		(12.9460)											
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)									2	1	
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)									1		
	444148	TEE, 1/4" PIPE (12.9616)									1	1	
	9413261	TEE (5/16" INV. FL. TUBE X 1/4" PIPE) (12.9490)							1			1	
	5104778	TEE, 3/8" INV. FL. TUBE (7.4694)	1										
	5177331	BRACKET, SUPPORT (4.8042)	2										
	5114541	BRACKET (7.1585)		2					1			1	
	5166565	BRACKET, CLIP (9.1591)					1						
	5177623	CLIP (2.5120)			1								
	5171509	CLIP (9.1591)									1		
	5159490	CLIP (7.4076)							2			2	
	3290076	CLIP (4.8040)										1	
	3290459	CLIP, 5/16" (2.5220)				3							
	5151883	CLIP (2.5070)	2	2			2						
	5160629	SPACER, 13/32"X17/32" (4.2270)							1			1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)	2	2									
	179833	BOLT, 3/8"-16X1/2" (12.9001)	1			1							
	179835	BOLT, 3/8"-16X5/8" (12.9001)									1		
	179837	BOLT, 3/8"-16X3/4" (12.9001)					1		1			1	
	5101377	BOLT, 3/8"-16 X 1" W/SEAL PATCH (12.9001)							1			1	
	120393	WASHER, 5/16" (12.9190)	2	2									
	103341	WASHER, 3/8" (12.9190)					1		1			1	
	103320	LOCKWASHER, 5/16" (12.9200)	2	2									
	103321	LOCKWASHER, 3/8" (12.9200)	1			1	1		1		1	1	
	120376	NUT, 5/16"-18 (12.9120)	2	2									
	102635	NUT, 3/8"-16 (12.9120)					1						
		* NOT SERVICED; USE STANDARD LENGTH HOSE SHOWN.											
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN											
	5128635	TUBE (DEV. L. 20.20")(VALVE DRAIN)							1				
	5127770	TUBE (DEV. L. 20.90") (WATER PUMP TO ADAPTOR)				1							
	5127772	TUBE (DEV. L. 21.22") (VALVE DRAIN)				1							
	5130779	TUBE (DEV. L. 41.50") (WATER PUMP TO VALVE)										1	
	5127388	TUBE (DEV. L. 42.44") (WATER PUMP TO ADAPTOR) (7.4699)			1		1						
	5130166	TUBE (DEV. L. 45.70") (WATER PUMP TO ADAPTOR) (7.4699)	1	1									
	5125901	* HOSE, FLEX. (37 1/4"L.) (VALVE DRAIN)										1	
	143338	ELBOW, 3/8" FL. TUBE 45 DEG. (12.9480)							1			1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4479	4484	4485	4486	4489	4490	4491	4492	4493	4495	4499
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN (CONT'D)											
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2	1	1	1						
	177971	ELBOW, 3/8 INV. FL. TUBE 90 DEG. (12.9480)							2				
	118755	ELBOW, 3/8" FL. TUBE 90 DEG. (12.9390)										1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1	3	1		1			1	
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)	1	1	1	1	1					1	
	189060	BUSHING, 3/4"X1/4" RED. (12.9570)							1				
	115226	BUSHING, 1"X3/8" RED. (12.9570)							1				
	5130913	BRACKET							2			2	
	5160629	SPACER, 13/32"X17/32" (4.2270)										1	
	5160388	CLIP (2.5070)							2			2	
	3290076	CLIP (4.8040)										2	
	5169119	CLIP, 3/8" (2.5120)	2	2	2		2						
	181361	BOLT, 3/8"-24X7/8" (12.9001)							2			2	
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)										1	
	103321	LOCKWASHER, 3/8" (12.9200)							2			2	
	117049	NUT, 3/8"-24 HEX. (12.9120)							2			2	
		* OBSOLETE											
		7.4598 - SWITCH, ALARM SHUTOFF											
6A	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)	1	2	2		2	1		2	1		2
	5189800	* SWITCH (SOLENOID) (24V.)		1			1						
	5172059	SWITCH (AUXILARY RELAY) (24V.)								1			1
	5131091	ELBOW (7.4586)	1	1	1		1						
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)	1	1	1		1						1
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)								1	1		
	178996	TEE, 1/8" PIPE (12.9616)		1			1						
	5104778	TEE, 3/8" INV. FL. TUBE (7.4694)	1										1
		* THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.											
		7.4600 - BRACKET, ALARM SHUTOFF SWITCH											
	5127699	* BRACKET (7.4711)		1			1			1			1
	180016	* BOLT, 1/4"-20X1/2" (12.9001)		4			4			2			2
	103319	* LOCKWASHER, 1/4" (12.9001)		4			4			2			2
	120375	* NUT, 1/4"-20 HEX. (12.9120)		4			4			2			2
		* THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.											

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 479	484	485	486	489	490	491	492	493	495	499
		7.4611 - GOVERNOR, OVERSPEED TRIP											
		SEE ASSEMBLY BREAKDOWN PAGE A1.											
	5128393	* GOVERNOR ASSY. (WITH SHAFT)	1	1									
	5131874	# GOVERNOR ASSY.	1								1		
	5132229	GOVERNOR ASSY.			1								
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2		2				2		
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)	4	4	4		4				4		
	103321	LOCKWASHER, 3/8" (12.9200)	6	6	6		6				6		
		* THRU 8VA-10373, 12VA-3869 NOT SERVICED AS AN ASSY., COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5131874 GOVERNOR ASSY.											
		# EFFECTIVE WITH 8VA-10374, 12VA-2870.											
		7.4694 - TUBE, EXHAUST MANIFOLD WATER *INLET*											
	5146031	TUBE (DEV. L. 16.85") (OIL COOLER TO TEMPERATURE VALVE)							1				
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1				
	5104778	TEE (3/8" INV. FL. TUBE, 1/4" PIPE TAP)							1				
		7.4707 - *RELAY, TIME DELAY*											
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.											
	8921717	RELAY KIT		1			1						
	5182545	* RELAY ASSY. (24V.)		1						1			1
	5182546	* RELAY ASSY. (32V.)					1						
	132788	SCREW, #8-32X1 3/4" RD. HD. SL. (12.9025)		2			2			2			2
	446143	WASHER, #8 FLAT (12.9190)		2			2			2			2
	121841	LOCKWASHER, #8 (12.9200)		2			2			2			2
		* NOT SERVICED, USE 8921717 KIT											
		7.4709 - RESISTOR, TIME DELAY RELAY											
		A RESISTOR ASSY. INCLUDES LUGS.											
	5277322	LUG		2			2						

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 479	484	485	486	489	490	491	492	493	495	499
		7.4709 - RESISTOR, TIME DELAY RELAY (CONT'D)											
	100946	* SCREW, #6-32X1/2" RD. HD. SL. (12.9025)		1			1						
	132796	SCREW, #8-32X2 1/4" RD. HD. SL. (12.9025)		1			1						
	446121	* WASHER, #6 FLAT (12.9190)		AR			AR						
	446143	WASHER, #8 FLAT (12.9190)		AR			AR						
	131044	LOCKWASHER, #6 (12.9200)		AR			AR						
	121841	LOCKWASHER, #8 (12.9200)		AR			AR						
	134530	* NUT, #6-32 HEX. (12.9120)		AR			AR						
	120622	NUT, #8-32 HEX. (12.9120)		AR			AR						
		* OBSOLETE											
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING											
	5188436	BRACKET ASSY. (INCLUDES MOUNTING ASSY.)		1			1			1			1
	5182531	* PLATE (BETWEEN RELAY AND BRACKET)		1			1			1			1
	1580295	MOUNTING ASSY. (ANTI-VIBRATION) (7.4064)		1			1			1			1
	132768	SCREW, #8-32X3/4" RD. HD. SL. (12.9025)		4			4			4			4
	121841	LOCKWASHER, #8 (12.9200)		4			4			4			4
	120622	NUT, #8-32 HEX. (12.9120)		4			4			4			4
		* OBSOLETE											
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING											
	5182532	* INSULATOR		1			1			1			1
		* OBSOLETE											

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 500	502	503	507	508	511	515	518	519	521	525	526
		7.4505 - SWITCH, WATER TEMPERATURE												
	5130262	@ SWITCH	1	1			1	1						
	5146080	SWITCH											1	
	5144496	SWITCH ASSY. (196 DEG.)	1	1			1	1	1	1	1	1		
	5133440	+ SWITCH ASSY. (NORMALLY CLOSED)				1								
	5130273	* VALVE, THERMOSTAT	1	1			1	1						
	5120976	VALVE ASSY. (200 DEG.)			1									1
	5130269	@ ADAPTOR, SWITCH (TO EXHAUST MANIFOLD)	1	1			1	1						
	5131438	* COVER, SWITCH	1	1			1	1						
	5131437	* BRACKET, SHUTDOWN SWITCH	1	1			1	1						
	5163830	GASKET (5.2180)	1	1	1	1	1	1	1	1	1	1		1
	5130261	@ ACTUATOR, SWITCH	1	1			1	1						
	5130264	* PLATE, SWITCH SUPPORT	1	1			1	1						
	5130270	* RING, VALVE NUT SEAL	1	1			1	1						
	5130267	* SHAFT, SWITCH OPERATING	1	1			1	1						
	5130272	* SPRING, COMPRESSION	1	1			1	1						
	5130266	* PLUG, INSULATOR	2	2			2	2						
	5130230	@ WIRE, SWITCH	2	2			2	2						
	5104778	TEE (5/8"X1/4") (7.4694)		1	1		1							
	421556	* SCREW, #2-56X3/4" RD. HD. SL. (12.9025)	2	2			2	2						
	132776	* SCREW, #8-32X1" RD. HD. (12.9025)	2	2			2	2						
	188978	* BOLT, #10-24X3/8" (12.9001)	2	2			2	2						
	126266	@ BOLT, #10-24X7/8" RD. HD. (12.9023)	2	2			2	2						
	5130378	* WASHER, SPRING	2	2			2	2						
	5130265	* WASHER, INSULATOR	2	2			2	2						
	221158	* WASHER, 3/32"X1/4" FLAT (12.9190)	2	2			2	2						
	446143	* WASHER, 3/16"X3/8" FLAT (12.9190)	2	2			2	2						
	9419440	* LOCKWASHER, #2 (12.9200)	2	2			2	2						
	106496	* LOCKWASHER, #8 (12.9200)	2	2			2	2						
	120217	* LOCKWASHER, #10 (12.9200)	2	2			2	2						
	9419440	* NUT, #2-56 (12.9120)	2	2			2	2						
	120361	* NUT, #10-24 HEX. (12.9720)	4	4			4	4						
	5130271	* NUT (5/16"-24) VALVE	1	1			1	1						
		* PART OF 5144496 SWITCH ASSY.												
		@ OBSOLETE												
		+ NOT SERVICED; USE PART NUMBER IN PARENTHESES.												
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
	5108415	ADAPTOR (6.2120)	1			1								
	5109718	ADAPTOR ASSY.	1	1	1	1	1	1	1	1	1	1		1
	5113655	STUD, 5/16"-18-24X2.46" (3.3003)	2	2	2	2	2	2	2	2	2	2		2
	5109717	PLUNGER	1	1	1	1	1	1	1	1	1	1		1
	5109719	SPRING	1	1	1	1	1	1	1	1	1	1		1
	5145010	PLUG, 1/4" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1		1
	138247	BOLT, 3/8"-16X2 1/4" HEX. SOC. (12.9027)	4			4								
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2		2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 500	502	503	507	508	511	515	518	519	521	525	526
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH (CONT'D)												
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	2	2	2	2	2	2	2	2	2		2
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET (6.1110)	1	1	1	1	1	1	1	1	1	1		1
	5163811	GASKET (6.2105)	1			1								
		7.4519 - SOLENOID, AIR SHUTOFF												
6A	1118128 *	SOLENOID (12V.)	2						2	2		2		
6A	1118191 *	SOLENOID (24V.)		1				1			1			
	117461	BOLT, 1/4"-20X9/16" (12.9001)	8	4				4	8	8	4	8	8	
	120392	WASHER, 1/4" FLAT (12.9190)	8						8	8		8	8	
	103319	LOCKWASHER, 1/4" (12.9200)	8	4				4	8	8	4	8	8	
		* PROCURE FROM UNITED DELCO.												
		7.4522 - SWITCH, AIR SHUTOFF SOLENOID LIMIT												
	5184590 *	SWITCH (24V.) (7.2440)	1					1	1					
		* THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.												
		7.4525 - WIRE, AIR SHUTOFF CONTROL (RESET)												
	5146240	WIRE ASSY. (50"L.) (3.3250)			1									
	1990953	WIRE ASSY. (50"L.) (3.3250)												1
	5126538	PLATE, INSTRUCTION			1									1
	273669	PIN, 5/16"X7/16"L., SPRING (12.9200)			1									1
	132105	SCREW, #10-32X3/8" (12.9010)			1									1
	120385	WASHER, #10 FLAT (12.9190)			1									1
	110730	LOCKWASHER, 3/8" (12.9200)			1									1
	124925	NUT, 3/8"-24 HEX. (12.9120)			1									1
	5168374	NUT (7/8"L.) (3.3090)			1									1
		7.4527 - CLIP, AIR SHUTOFF CONTROL WIRE (RESET)												
	5163442	CLIP, 1/4" (2.9428)			1									
	3290569	CLIP (7.8320)												1
	123298	BOLT, 1/4"-28X3/8" (12.9001)												1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 500	502	503	507	508	511	515	518	519	521	525	526
		7.4527 - CLIP, AIR SHUTOFF CONTROL WIRE (RESET) (CONT'D)												
	103319	LOCKWASHER, 1/4" (12.9200)												1
	121902	*NUT, 1/4"-28 HEX. (12.9120)*												1
		7.4535 - BRACKET, AIR SHUTOFF SOLENOID LIMIT SWITCH												
	5127699	* BRACKET	1						1	1				
	181309	* BOLT, 1/4"-28X1/2" (12.9001)	2						2	2				
	103319	* LOCKWASHER, 1/4" (12.9200)	2						2	2				
	121902	* NUT, 1/4"-28 HEX. (12.9120)	2						2	2				
		* THRU 6VA-41300, 8VA-49600, 12VA-11749; *EFFECTIVE WITH* 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.												
		7.4538 - ROD, AIR SHUTOFF SOLENOID CONTROL												
	5121913	LINK	2	1				1	2	2	1	2	1	
	5115836	* LINK												1
	103361	PIN, #7X1 3/4" TAPER (12.9250)	2	1				1	2	2	1	2	1	
	112526	* PIN, 1/16"X3/8" COTTER (12.9250)												1
	5176810	*PIN (1/4"X1 1/4" CLEVIS) (2.9410)*	2	1				1	2	2	1	2	1	
	5115204	* BOLT (1/4"-28X1.26"L.) (7.4519)												1
	120392	WASHER, 1/4" PLAIN (12.9190)	4	2				2	4	4	2	4	2	
	120380	LOCKWASHER, 1/4" (12.9200)												1
	114492	NUT, 1/4"-28 (JAM) (12.9120)	4	2				1	4	4	1	4	1	1
		* USE WITH 5127753 SHUTDOWN ASSY. IN 3.3000A.												
		7.4545 - HARNESS, AIR SHUTOFF WIRING												
	5139896	@ HARNESS	1											
	5139726	@ HARNESS		1										
	5139795	@ HARNESS						1						
	5139780	HARNESS							1					
	5114551	TAG	2					2	2					
	3223197	CLIP (7.4580)	5	4					5					
	140573	CLIP (12.9630)		1										
	3290076	CLIP, 5/8" (2.5110)		1										
	179835	BOLT, 3/8"-16X5/8" (12.9001)							5					
	103321	LOCKWASHER, 3/8" (12.9200)							5					
		@ NO LONGER AVAILABLE FOR SERVICE.												
		7.4550 - HOUSING, AIR SHUTOFF CONTROL												
	5113159	* BOX ASSY. (INCLUDES STUDS AND PLUGS)												1
	186630	* BOLT, 1/4"-20X5/8" (12.9001)												1
	120380	* LOCKWASHER, 1/4" (12.9200)												1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 500	502	503	507	508	511	515	518	519	521	525	526
		7.4550 - HOUSING, AIR SHUTOFF CONTROL (CONT'D)												
		* USE WITH 5127753 SHUTDOWN ASSY. IN 3.3000A.												
		7.4553 - COVER, AIR SHUTOFF CONTROL HOUSING			-									
	5113160	* COVER												1
	271169	* WASHER ASSY. (7.4519)												1
		* USE WITH 5127753 SHUTDOWN ASSY. IN 3.3000A.												
		7.4560 - SPRING, AIR SHUTOFF RESET LATCH												
	5128972	SPRING (7.70" FREE L.) (WITH 50" WIRE) (3.3070)			1									1
		7.4586 - SWITCH, OIL PRESSURE												
6A	5100722	SWITCH (10# BREAK)	1	1				1			1		1	
6A	5100720	SWITCH (27# BREAK)	1	1			1		1	1		1		
	5186528	@ BELLOW ASSY.												1
	444052	ELBOW, 1/8"-45 DEG. (12.9590)	1							1				
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)		2										
	444000	ADAPTOR, 1/4" PIPE (BRASS) (12.9460)	1											
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)	AR				AR		AR	AR		AR		
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)		1							1		1	
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)						1						
	5182120	NIPPLE, 1/8"X.76" (7.4074)		1										
	144082	TEE, 1/8" PIPE (12.9616)		1										
	9409943	TEE (1/8" PIPE)					1			1	1		1	
	444255	TEE, 1/4" PIPE (12.9616)	1											
	132105	@ SCREW, #10-32X3/8" (12.9025)												4
	120217	LOCKWASHER, #10 (12.9200)		AR			AR	AR			AR	AR	AR	
		@ USE WITH 5127753 SHUTDOWN ASSY. IN 3.3000A.												
		7.4596 - TUBE, PRESSURE SWITCH												
	5128616	TUBE (DEV. L. 20.24") (BLOCK TO VALVE)			1									
	5131686	TUBE (DEV. L. 26.20") (GOVERNOR TO BELLOWS) (7.4668)			1									
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)			1									
	5126307	CONNECTOR (.055 RESTRICTED) (7.4596)			1									1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5000	5002	5003	5007	5008	5111	5115	5118	5119	5121	5225	5226
		7.4596 - TUBE, PRESSURE SWITCH (CONT'D)												
	9413261	TEE (5/16" INV. FL. TUBE) (12.9480)			1									1
	5155464	BRACKET (7.1582)			1									
	3290459	CLIP (2.5220)			1									
	5112241	CLIP (2.5070)			4									
	110502	BOLT, #10-24X3/4" (12.9001)			2									
	181333	BOLT, 5/16"-24X5/8" (12.9001)			1									
	120393	WASHER, 11/32" (12.9190)			1									
	120217	LOCKWASHER, #10 (12.9200)			AR									
	103320	LOCKWASHER, 5/16" (12.9200)			1									
	110633	NUT, #10-24 HEX. (12.9120)			2									
	114493	NUT, 5/16"-24 HEX. (12.9120)			1									
		7.4597 - TUBE, PRESSURE SWITCH RETURN												
	5128635	TUBE (DEV. L. 20.20") (VALVE DRAIN)			1									
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1									1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1									1
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)			1									1
		7.4598 - SWITCH, ALARM SHUTOFF												
6A	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)	1	1							2		2	
|	5184590 *	SWITCH (AUXILLARY RELAY)		1								1		
A	3292162	SWITCH (TOGGLE)					1							
6A	5100721	SWITCH (30# MAKE) (FUEL PRESSURE)						1	1	1		1		
	5189800 *	SWITCH (AUXILIARY RELAY)								1	1		1	
	5131091	ELBOW		1										
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)		1										
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)	1						1	1		1		
	2191465	TEE, 1/8" (7.8295)						1			1		1	
	444258	TEE, 3/8" PIPE (12.9490)							1					
		* THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.												
		7.4600 - BRACKET, ALARM SHUTOFF SWITCH												
	5127699 *	BRACKET		1				1		1	1	1	1	
	180016	BOLT, 1/4"-20X1/2" (12.9001)		2				2			2		2	
	181309 *	BOLT, 1/4"-28X1/2" (12.9001)								2		2		
	103319 *	LOCKWASHER, 1/4" (12.9001)		2				2		2	2	2	2	
	120375	NUT, 1/4"-20 HEX. (12.9120)		2				2			2		2	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 500	502	503	507	508	511	515	518	519	521	525	526
	7.4600 - BRACKET, ALARM SHUTOFF SWITCH (CONT'D)													
	121902	* NUT, 1/4"-28 HEX. (12.9120)								2		2		
		* THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.												
	7.4611 - GOVERNOR, OVERSPEED TRIP													
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5131874	GOVERNOR ASSY.	1	1				1		1	1		1	
6E	**5186484** *	GOVERNOR ASSY.			1									
	5134505 @	GOVERNOR ASSY.			1									
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2				2		2	2		2	
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)	4	4				4		4	4		4	
	103321	LOCKWASHER, 3/8" (12.9200)	6	6				6		6	6		6	
		* THRU 6VA-22208, NOT SERVICED AS AN ASSY. COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5134505.												
		@ EFFECTIVE WITH 6VA-22209.												
	7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR													
	5125184	ADAPTOR			1									
	5126622	SEAL (1.2020)			1									
	140869	SCREW, #10-24X5/16" SET (12.9076)			1									
	179839	BOLT, 3/8"-16X1" (12.9001)			2									
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)			4									
	103321	LOCKWASHER, 3/8" (12.9200)			6									
	7.4638 - GASKET, OVERSPEED TRIP GOVERNOR ADAPTOR													
	5122227	GASKET (1.5060)			1									
	7.4668 - TUBE, OVERSPEED TRIP GOVERNOR OIL SUPPLY													
	5128614	TUBE (DEV. L. 17.44")			1									
	173203	TEE (TWO WAY 5/16" TUBE) (12.9490)			1									
	7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET													
	5101401	TUBE (DEV. L. 45.81") (COOLER TO VALVE)		1			1							
	5133436	TUBE (DEV. L. 29.60") (COOLER TO											1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 500	502	503	507	508	511	515	518	519	521	525	526
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)												
		VALVE)												
	5130778	TUBE (DEV. L. 41.92") (COOLER TO VALVE)									1			
	5146031	TUBE (DEV. L. 16.85") (COOLER TO VALVE)			1			1						
	5130923	* HOSE, FLEX. (27 1/2"L.) (COOLER TO VALVE)							1	1				
	5173873	* HOSE, FLEX. (48" L.) (COOLER TO VALVE)	1			1						1		
	5166565	BRACKET, CLIP (9.1591)					1							
	5163503	BRACKET, CLIP (4.3050)												1
	5100364	CLIP (2.5070)	2			2						2		
	5177623	CLIP (2.5120)			1			1			1			1
	5151883	CLIP (2.5070)					1							
	5171509	CLIP (9.1591)							1	1				
	5113214	FITTING, HOSE (1/4"-18)	1			1			1	1		1		
	5114049	FITTING, HOSE (5/8"-18)	1			1			1	1		1		
	444148	TEE, 1/4" PIPE (12.9616)	1			1			1	1		1		
	144083	TEE, 1/4" PIPE (12.9616)												1
	5104778	TEE (3/8" INV. FL. TUBE, 1/4" PIPE)		1				1			1			
	105407	NIPPLE, 1/4"X1 1/2" (12.9560)												1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1		1	1		1			1		1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1		1	1	1	1	1			1
	5175705	SPACER (13/32"X1")			1									
	100001	BOLT, 1/4"-28X3/4" (12.9001)												1
	179837	BOLT, 3/8"-16X3/4" (12.9001)					1							
	179839	BOLT, 3/8"-16X1" (12.9001)	1			1						1		
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)			1									
	120392	WASHER, 1/4" FLAT (12.9190)												1
	103341	WASHER, 3/8" FLAT (12.9190)					1							
	103319	LOCKWASHER, 1/4" (12.9200)												1
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR					AR		
	121902	NUT, 1/4"-28 HEX. (12.9120)												1
		* NOT SERVICED; STANDARD LENGTH HOSE 5113689 WILL BE PROVIDED.												
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET												
	5130776	TUBE (DEV. L. 37.38") (VALVE TO PUMP)									1			
	5133488	TUBE (DEV. L. 38.58") (VALVE TO PUMP)												1
	5130779	TUBE (DEV. L. 41.50") (VALVE TO PUMP)			1			1						
	5127388	TUBE (DEV. L. 42.40") (VALVE TO		1			1							

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5000	5002	5003	5007	5008	5111	5115	5118	5119	5221	5225	5226
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET (CONT'D)												
		PUMP)												
	5134416	HOSE, FLEX. (45 1/2" L.) (VALVE TO PUMP)							1	1				
	5113689	HOSE, FLEX. (75" L.) (VALVE TO PUMP)	1			1						1		
	5130913	BRACKET, CLIP			2			2			2			
	5159393	BRACKET, CLIP (4.1575)												2
	5100364	CLIP (2.5070)	1			1						1		
	5169119	CLIP (2.5120)		2			2							
	5160388	CLIP (2.5070)			2			2			2			
	5112241	CLIP (2.5070)					1							6
	5171509	CLIP (9.1591)							1	1				
	5158973	CLIP (4.8040)												2
	5113214	FITTING, HOSE (1/4"-18) (12.6689)	1			1						1		
	5114049	FITTING, HOSE (5/8"-18) (1.2001)	1			1			1	1		1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1		1	1			1			1
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)	1			1			1	1		1		
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1		1	1		1	1	1	1		
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			1			1						1
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)	1	1	1	1	1	1	1	1	1	1		1
	110502	BOLT, #10-24X3/4" (12.9001)					1							1
	100001	BOLT, 1/4"-28X3/4" (12.9001)												2
	181361	BOLT, 3/8"-24X7/8" (12.9001)			2			2			2			
	120392	WASHER, 1/4" FLAT (12.9190)												2
	120217	LOCKWASHER, #10 (12.9200)					1							3
	103319	LOCKWASHER, 1/4" (12.9200)												2
	103321	LOCKWASHER, 3/8" (12.9200)			2			2			2			
	110633	NUT, #10-24 HEX. (12.9120)					1							3
	121902	NUT, 1/4"-28 HEX. (12.9120)												2
	117049	NUT, 3/8"-24 HEX. (12.9120)			2									
		7.4707 - RELAY, TIME DELAY												
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.												
	8921717	RELAY KIT						1	1	1	1	1	1	
	5182545	* RELAY ASSY. (24V.)						1	1	1	1	1	1	
	132788	SCREW, #8-32X1 3/4" RD. HD. SL. (12.9025)						2	2	2	2	2	2	
	446143	WASHER, #8 FLAT (12.9190)						2	2	2	2	2	2	
	121841	LOCKWASHER, #8 (12.9200)						2	2	2	2	2	2	

* NOT SERVICED, USE 8921717 KIT.

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 500	502	503	507	508	511	515	518	519	521	525	526
		7.4709 - RESISTOR, TIME DELAY RELAY												
		A RESISTOR ASSY. INCLUDES LUGS.												
	5277322	LUG						2						
	100946	* SCREW, #6-32X1/2" RD. HD. SL. (12.9025)						1						
	132796	SCREW, #8-32X2 1/4" RD. HD. SL. (12.9025)						1						
	446121	* WASHER, #6 FLAT (12.9190)						AR						
	446143	WASHER, #8 FLAT (12.9190)						AR						
	131044	LOCKWASHER, #6 (12.9200)						AR						
	121841	LOCKWASHER, #8 (12.9200)						AR						
	134530	* NUT, #6-32 HEX. (12.9120)						AR						
	120622	NUT, #8-32 HEX. (12.9120)						AR						
		* OBSOLETE												
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING												
	5182531	* PLATE (BETWEEN RELAY AND BRACKET)						1	1	1	1	1	1	
	5188436	BRACKET ASSY.						1	1	1	1	1	1	
	1580295	MOUNTING ASSY. (ANTI-VIBRATION) (7.4010)						1						
	132768	SCREW, #8-32X3/4" RD. HD. SL. (12.9025)						4	4	4	4	4	4	
	121841	LOCKWASHER, #8 (12.9200)						4	4	4	4	4	4	
	120622	NUT, #8-32 HEX. (12.9120)						4	4	4	4	4	4	
		* BOSOLETE												
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING												
	5182532	* INSULATOR						1	1	1	1	1	1	
		* OBSOLETE												

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	533	538	539	540	542	543	545	551	555	556
		7.4505 - SWITCH, WATER TEMPERATURE											
	5146080	SWITCH						1					
	5144496	SWITCH ASSY. (196 DEG.)	1		1		1			1	1	1	1
	5120976	VALVE ASSY. (200 DEG.)				1			1				
	5120375	ADAPTOR, 1/4" PIPE (12.9575)									1		
	5163830	GASKET (5.2180)	1		1	1	1		1	1	1	1	1
	444148	TEE, 1/4" PIPE (12.9616)					1				1		
	5104778	TEE (5/8"X1/4") (7.4694)	1			1	1						
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)					1				1		
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)					1						
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)					1						
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)					1						
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH											
	5108415	ADAPTOR (6.2120)							1	1		1	
	5130895	ADAPTOR											1
	5109718	ADAPTOR ASSY.	1		1	1	1		1	1	1	1	1
	5113655	STUD, 5/16"-18-24X2.46" (3.3003)	2		2	2	2		2	2	2	2	2
	5109717	PLUNGER	1		1	1	1		1	1	1	1	1
	5109719	SPRING	1		1	1	1		1	1	1	1	1
	5145010	PLUG, 1/4" PIPE (12.9550)	1		1	1	1		1	1	1	1	1
	138247	BOLT, 3/8"-16X2 1/4" HEX. SOC. (12.9027)							4	4		4	4
	103320	LOCKWASHER, 5/16" (12.9200)	2		2	2	2		2	2	2	2	2
	114493	NUT, 5/16"-24 HEX. (12.9120)	2		2	2	2		2	2	2	2	2
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR											
	5113412	GASKET (6.1110)	1		1	1	1		1	1	1	1	1
	5163811	GASKET (6.2105)							1	1		1	
	5166486	GASKET											1
		7.4513 - BELL, ALARM SYSTEM											
	5131954	+ BELL (12V.) (8921360)					1					1	1
	5140238	BELL (24V.)								1			
		+ NOT SERVICED; USE NUMBER IN PARENTHESES.											
		7.4514 - RELAY, ALARM BELL											
	3290747	RELAY (12V.)					1					1	1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	533	538	539	540	542	543	545	551	555	556
		7.4519 - SOLENOID, AIR SHUTOFF											
6A	1118191 *	SOLENOID (24V.)	1								1		
	117461	BOLT, 1/4"-20X9/16" (12.9001)	4								4		
	120380	LOCKWASHER, 1/4" (12.9200)	4								4		
		* PROCURE FROM UNITED DELCO.											
		7.4525 - WIRE, AIR SHUTOFF CONTROL (RESET)											
	1990954	WIRE ASSY. (88" L.) (3.3250)							1				
	1990892	WIRE ASSY. (90" L.) (2.9422)				1							
	5126538	PLATE, INSTRUCTION				1			1				
	273669	PIN, 5/16"X7/16" L., SPRING (12.9200)				1			1				
	132105	SCREW, #10-32X3/8" (12.9010)				1			1				
	120385	WASHER, #10 FLAT (12.9190)				1			1				
	110730	LOCKWASHER, 3/8" (12.9200)				1			1				
	124925	NUT, 3/8"-24 HEX. (12.9120)				1			1				
	5168374	NUT (7/8" L.) (3.3090)				1			1				
		7.4527 - CLIP, AIR SHUTOFF CONTROL WIRE (RESET)											
	5157372	CLIP, 1/4" (3.4433)				1			1				
	5167510	CLIP, 1/4" (7.8320)				1			1				
	5157809	CLIP, 3/16" (7.8320)				1			1				
	5178595	BRACKET (2.5030)				1			1				
	106973	BOLT, 5/16"-18X1/2" (12.9001)				1			1				
	186618	BOLT, 5/16"-18X5/8" (12.9001)				1			1				
	103320	LOCKWASHER, 5/16" (12.9200)				AR			AR				
	103321	LOCKWASHER, 3/8" (12.9200)				1			1				
	120376	NUT, 5/16"-18 HEX. (12.9120)				AR			AR				
		7.4538 - ROD, AIR SHUTOFF SOLENOID CONTROL											
	5121913	LINK	1								1		
	103361	PIN, #7X1 3/4" TAPER (12.9250)	1							1			
	5176810	PIN (1/4"X1 1/4" CLEVIS) (2.9410)	1							1			
	120392	WASHER, 1/4" PLAIN (12.9190)	2							2			
	114492	NUT, 1/4"-28 (JAM) (12.9120)	2							1			
		7.4560 - SPRING, AIR SHUTOFF RESET LATCH											
	5125878	SPRING (6.25" FREE L.) (3.3070)							1				
		7.4586 - SWITCH, OIL PRESSURE											
6A	5100722	SWITCH (10# BREAK)	1				1	1		1	1	1	1
	5652136	SWITCH (5# BREAK)			1								
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)						1					1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	533	538	539	540	542	543	545	551	555	556
		7.4586 - SWITCH, OIL PRESSURE (CONT'D)											
	116453	ELBOW, 1/4"-90 DEG. (12.9590)						1					
	444000	ADAPTOR, 1/4" PIPE (BRASS) (12.9460)											1
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)			AR		1	1					
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)						1			1		
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)			1								
	5177752	TEE, 1/8"X1/8"X1/4" (2.7890)											1
	444148	TEE, 1/4" PIPE (12.9616)						1					
	444258	TEE, 3/8"-18 PIPE (12.9490)			1								
	5145009	PLUG, 1/8" PIPE (12.9550)										1	1
	116436	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)						1					
		7.4589 - SHAFT, OVERSPEED VALVE DRIVE FLEXIBLE											
	5135775	SHAFT ASSY.			1								
		7.4596 - TUBE, PRESSURE SWITCH											
	5130165	TUBE (DEV. L. 19.06") (TEMP. VALVE TO OVERSPEED GOVERNOR)							1				
	5128616	TUBE (DEV. L. 20.24") (BLOCK TO VALVE)				1							
	5131686	TUBE (DEV. L. 26.20") (GOVERNOR TO BELLOWS) (7.4668)				1			1				
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)				1			1				
	5126307	CONNECTOR (.055 RESTRICTED) (7.4596)				1							
	9413261	TEE (5/16" INV. FL. TUBE) (12.9480)				1							
	5155464	BRACKET (7.1582)				1			1				
	3290459	CLIP (2.5220)				1			1				
	5112241	CLIP (2.5070)				4							
	5163442	CLIP (2.9428)							1				
	173203	TEE, 5/16" PIPE (12.9490)							1				
	110502	BOLT, #10-24X3/4" (12.9001)				2							
	181333	BOLT, 5/16"-24X5/8" (12.9001)				1			1				
	120393	WASHER, 11/32" (12.9190)				1			1				
	120217	LOCKWASHER, #10 (12.9200)				AR							
	103320	LOCKWASHER, 5/16" (12.9200)				1			1				
	110633	NUT, #10-24 HEX. (12.9120)				2							
	114493	NUT, 5/16"-24 HEX. (12.9120)				1			1				
		7.4597 - TUBE, PRESSURE SWITCH RETURN											
	5128635	TUBE (DEV. L. 20.20") (VALVE DRAIN)				1							
	5130777	TUBE (DEV. L. 29.28") (VALVE TO BLOCK)							1				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5321	5331	5338	5339	5401	5422	5431	5451	5511	5555	5566
		7.4597 - TUBE, PRESSURE SWITCH RETURN (CONT'D)											
	193004	*ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)*				1			1				
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1							
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)				1			1				
		7.4598 - SWITCH, ALARM SHUTOFF											
6A	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)					1			2	1		
	5184590 *	SWITCH (AUXILLARY RELAY)	1										
6A	3292162	SWITCH (TOGGLE)					1					1	1
6A	5100721	*SWITCH (30# MAKE) (FUEL PRESSURE)*	1										
	5189800 *	SWITCH (AUXILIARY RELAY)		1	1						1		
	1507377	SWITCH (FUEL PRESSURE)			1								
6A	1507290	SWITCH (FUEL PRESSURE)								1			
	5131091	ELBOW	1								1		
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)	1							1	1		
	2191465	TEE, 1/8" (7.8295)					1			1			
	178996	TEE, 1/8" PIPE (12.9616)									1		
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)	1										
		* THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.											
		7.4600 - BRACKET, ALARM SHUTOFF SWITCH											
	5127699 *	BRACKET	1								1		
	180016	BOLT, 1/4"-20X1/2" (12.9001)	2								2		
	103319 *	LOCKWASHER, 1/4" (12.9001)	2								2		
	120375	NUT, 1/4"-20 HEX. (12.9120)	2								2		
		* THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.											
		7.4611 - GOVERNOR, OVERSPEED TRIP											
		SEE ASSEMBLY BREAKDOWN PAGE A1.											
6E	5186484 *	GOVERNOR ASSY.		1									
	5134505 @	GOVERNOR ASSY.		1									
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)		1									
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)		3									
		* THRU 6VA-22208, NOT SERVICED AS AN											

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	533	538	539	540	542	543	545	551	555	556
		7.4611 - GOVERNOR, OVERSPEED TRIP (CONT'D)											
		ASSY. COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5134505. @ EFFECTIVE WITH 6VA-22209.											
		7.4620 - PLUNGER, OVERSPEED TRIP GOVERNOR PILOT VALVE											
	5135212	VALVE			1								
		7.4623 - WEIGHT AND CARRIER ASSY., OVERSPEED TRIP GOVERNOR											
		INCLUDES ITEMS IN 7.4623, 7.4625 AND 7.4589.											
	5135777	SHAFT AND WEIGHT ASSY.			1								
		7.4625 - WEIGHT, OVERSPEED TRIP GOVERNOR											
	5135384	WEIGHT			2								
	9411622	PIN (12.9275)			2								
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR											
	5125184	ADAPTOR		1									
	5124365	ADAPTOR			1								
	5124364	COVER			1								
	5126622	SEAL (1.2020)		1									
	140869	SCREW, #10-24X5/16" SET (12.9076)		1									
	179839	BOLT, 3/8"-16X1" (12.9001)		2									
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)		4									
	103321	LOCKWASHER, 3/8" (12.9200)		6									
		7.4638 - GASKET, OVERSPEED TRIP GOVERNOR ADAPTOR											
	5122227	GASKET (1.5060)		1									
	3222141	GASKET (5.3280)			1								
		7.4647 - BEARING, OVERSPEED TRIP GOVERNOR OPERATING SHAFT											
	5193661	BEARING (#180132)			1								

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	533	538	539	540	542	543	545	551	555	556
		7.4651 - SPRING, OVERSPEED TRIP GOVERNOR											
	5135376	SPRING			1								
		7.4668 - TUBE, OVERSPEED TRIP GOVERNOR OIL SUPPLY											
	5130167	TUBE (DEV. L. 15.24")							1				
	5128614	TUBE (DEV. L. 17.44")				1							
	5127706	CONNECTOR (RESTRICTED) (7.4596)							1				
	173203	TEE (TWO WAY 5/16" TUBE) (12.9490)				1							
	9413261	TEE, 5/16" INV. FL. TUBE X 1/4" PIPE (12.9480)							1				
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET											
	5101401	TUBE (DEV. L. 45.81") (COOLER TO VALVE)	1										
	5101398	TUBE (DEV. L. 17.56")					1						
	5131485	TUBE (DEV. L. 36.16") (COOLER TO VALVE)											1
	5130778	TUBE (DEV. L. 41.92") (COOLER TO VALVE)							1	1		1	
	5146031	TUBE (DEV. L. 16.85") (COOLER TO VALVE)				1							
	5136391	TUBE (DEV. L. 68.16") (COOLER TO VALVE)									1		
	5130923	* HOSE, FLEX. (27 1/2"L.) (COOLER TO VALVE)			1								
	5166565	BRACKET, CLIP (9.1591)	1									1	
	5177331	BRACKET, CLIP (4.8042)				1	1		1	1		1	1
	5177623	CLIP (2.5120)											
	5151883	CLIP (2.5070)	1										
	3291251	CLIP, 5/8" (1.1060)			1								
	5113214	FITTING, HOSE (1/4"-18)			1								
	5114049	FITTING, HOSE (5/8"-18)			1								
	444148	TEE, 1/4" PIPE (12.9616)			1								
	5104778	TEE (3/8" INV. FL. TUBE, 1/4" PIPE)							1	1		1	1
	190367	ELBOW, 1/4" PIPE (12.9570)			1								
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1				1						
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1			1	1		1	1	1	1	1
	179816	BOLT, 5/16"-18X3/4" (12.9001)										1	
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1								1		
	120393	WASHER, 5/16" FLAT (12.9190)										1	
	103341	WASHER, 3/8" FLAT (12.9190)	1										
	103320	LOCKWASHER, 5/16" (12.9200)										1	
	103321	LOCKWASHER, 3/8" (12.9200)	AR										

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5322	5333	5338	5339	5340	5342	5443	5445	5551	5555	5556
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)											
	120376	NUT, 5/16"-18 HEX. (12.9120)										1	
	102635	NUT, 3/8"-16 HEX. (12.9120)	1										
		* NOT SERVICED; STANDARD LENGTH HOSE 5113689 WILL BE PROVIDED.											
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET											
	5127770	TUBE (DEV. L. 20.90")					1						
	5131415	TUBE (DEV. L. 32.28")											1
	5130776	TUBE (DEV. L. 37.38") (VALVE TO PUMP)							1	1		1	
	5130779	TUBE (DEV. L. 41.50") (VALVE TO PUMP)				1							
	5127388	TUBE (DEV. L. 42.40") (VALVE TO PUMP)	1										
	5130773	TUBE (DEV. L. 45.60")									1		
	5129441	HOSE, FLEX. (36" L.) (VALVE TO PUMP)			1								
	5130913	BRACKET, CLIP				2			2	2		2	1
	5169119	CLIP (2.5120)	2								2		
	5160388	CLIP (2.5070)				1			1	1	2	1	1
	5171509	CLIP (9.1591)			2								
	5114049	FITTING, HOSE (5/8"-18) (1.2001)			2								
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9640)	1			1	1		1	1	2	1	1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1		2				1	1		1	1
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)				1							
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)	1		1	1	1		1	1	1	1	1
	181361	BOLT, 3/8"-24X7/8" (12.9001)				2			2	2		2	1
	103321	LOCKWASHER, 3/8" (12.9200)				2			2	2		2	1
	117049	NUT, 3/8"-24 HEX. (12.9120)				2			2	2		2	1
		7.4707 - RELAY, TIME DELAY											
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.											
	8921717	RELAY KIT	1							1	1		
	132788	SCREW, #8-32X1 3/4" RD. HD. SL. (12.9025)	2							2	2		
	446143	WASHER, #8 FLAT (12.9190)	2							2	2		
	121841	LOCKWASHER, #8 (12.9200)	2							2	2		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	533	538	539	540	542	543	545	551	555	556
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING											
	5182531	* PLATE (BETWEEN RELAY AND BRACKET)	1							1	1		
	5188436	BRACKET ASSY.	1							1	1		
	132768	SCREW, #8-32X3/4" RD. HD. SL. (12.9025)	4							4	4		
	121841	LOCKWASHER, #8 (12.9200)	4							4	4		
	120622	NUT, #8-32 HEX. (12.9120)	4							4	4		
		* OBSOLETE											
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING											
	5182532	* INSULATOR	1							1	1		
		* OBSOLETE											
		7.4725 - VALVE ASSY., OVERSPEED											
		A VALVE ASSY. INCLUDES ITEMS IN 7.4620, 7.4623, 7.4625, 7.4647, 7.4651, 7.4725, 7.4727, 7.4729, 7.4731, 7.4733, 7.4735, AND 7.4737.											
	5142628	VALVE ASSY., OVERSPEED AND LOW OIL PRESSURE (7.4591)			1								
	186629	BOLT, 5/16"-18X1" (12.9001)			2								
	120393	WASHER, 5/16" (12.9190)			2								
	103320	LOCKWASHER, 5/16" (12.9200)			2								
		7.4727 - HOUSING, OVERSPEED VALVE											
	5136509	HOUSING			1								
	5135395	PLATE, NAME			1								
	109371	SCREW, #10 RD. HD. (12.9067)			2								
		7.4729 - COVER, OVERSPEED VALVE											
	5135385	# COVER			1								
	436574	SCREW, #10-24X1" (12.9025)			4								
	5179709	WASHER, 1/4" COPPER (2.7175)			1								
	120217	LOCKWASHER, #10 (12.9200)			4								
	9419454	NUT, 1/4"-20 HEX. (12.9120)			1								
		# NOT SERVICED; USE 5142627 AND INCLUDE 1-5142665 GUIDE ASSY. TO ASSURE INTERCHANGEABILITY.											
		7.4731 - PISTON, OVERSPEED VALVE											
	5135246	PISTON			1								
	5135171	PILOT, SPRING			1								
	9421616	SCREW, #8-32X5/8"			1								

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 532	533	538	539	540	542	543	545	551	555	556
		7.4731 - PISTON, OVERSPEED VALVE (CONT'D)											
	106496	LOCKWASHER, #8 (12.9200)			1								
		7.4733 - DIAPHRAGM, OVERSPEED VALVE PISTON											
	5135172	SEAL			1								
	5135273	RETAINER			1								
		7.4735 - GUIDE, OVERSPEED VALVE PISTON											
	5137210 *	GUIDE ASSY.			1								
		* NOT SERVICED, USE 5142665 GUIDE ASSY. AND INCLUDE (1) 5142627 COVER TO INSURE INTERCHANGEABILITY.											
		7.4737 - SPRING, OVERSPEED VALVE PISTON											
	5143575	SPRING			1								
	5135221	RETAINER			1								
		7.4746 - TUBE, OVERSPEED VALVE OIL SUPPLY											
	5133163	HOSE (21" DEV. L.) (12.4065)			1								
	116453	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9390)			1								
	118753	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9390)			1								
	9409931	ELBOW, 90 DEG. STREET (12.9590)			1								
	5161873	CLIP, 7/16" (7.4412)			1								

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	559	561	562	565	571	574	577	578	580	582	585
		7.4505 - SWITCH, WATER TEMPERATURE												
	5146080	SWITCH						1				1		
	5144496	SWITCH ASSY. (196 DEG.)	1		1		1		1					
	5120976	VALVE ASSY. (200 DEG.)				1							1	
	5163830	GASKET (7.4586)	1		1	1	1		1				1	
	444148	TEE, 1/4" PIPE (12.9616)										1		
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)										1		
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)										1		
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)										1		
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)										1		
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
	5132849	ADAPTOR	1											
	5109718	ADAPTOR ASSY.	1		1	1	1		1				1	
	5113655	STUD, 5/16"-18-24X2.46" (3.3003)	2		2	2	2		2				2	
	5133385	STUD, 3/8"-16-24X4" (6.1050)	4											
	5109717	PLUNGER (7.4505)	1		1	1	1		1				1	
	5109719	SPRING (7.4505)	1		1	1	1		1				1	
	5145010	PLUG, 1/4" PIPE (12.9550)	1		1	1	1		1				1	
	103320	LOCKWASHER, 5/16" (12.9200)	2		2	2	2		2				2	
	103321	LOCKWASHER, 3/8" (12.9200)	4											
	121917	NUT, 5/16"-24 HEX. (12.9120)	2		2	2	2		2				2	
	114547	NUT, 3/8"-24 HEX. (6.2115)	4											
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET (6.1110)	1		1	1	1		1				1	
	5145238	GASKET (6.2105)	1											
		7.4513 - BELL, ALARM SYSTEM												
	5131954	+ BELL (12V.) (8921360)								1				
		+ NOT SERVICED; USE NUMBER IN PARENTHESES.												
		7.4514 - RELAY, ALARM BELL												
	5177779	RELAY (12V.)								1				
		7.4519 - SOLENOID, AIR SHUT-OFF												
	1118128	* SOLENOID (12V.)					1		2					1
	1118191	* SOLENOID (24V.)	1	1				1				1		
	117461	BOLT, 1/4"-20X9/16" (12.9001)	4	4			4	4	8			4		4

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	559	561	562	565	571	574	577	578	580	582	585
		7.4519 - SOLENOID, AIR SHUT-OFF (CONT'D)												
	120392	WASHER, 1/4" FLAT (12.9190)	AR	AR					AR					
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR			AR	AR	AR			AR		AR
		* PROCURE FROM UNITED DELCO.												
		7.4525 - WIRE, AIR SHUT-OFF CONTROL												
	5146240	WIRE ASSY. (50" L.) (3.3250)				1							1	
	5126538	PLATE, INSTRUCTION				1							1	
	273669	PIN, 5/16"X7/8" L. SPRING (12.9200)				1							1	
	132105	SCREW, #10-32X3/8" (12.9010)				1							1	
	120385	WASHER, #10 FLAT (12.9190)				1							1	
	110730	LOCKWASHER, 3/8" (12.9200)				1							1	
	124925	NUT, 3/8"-24 HEX. (12.9120)				1							1	
	5168374	NUT (7/8" L.) (3.3090)				1							1	
		7.4527 - CLIP, AIR SHUT-OFF CONTROL WIRE RESET												
	5163442	CLIP (2.9428)				1								
	3290569	CLIP (7.8320)											1	
	5127630	BRACKET											1	
	123298	BOLT, 1/4"-28X3/8" (12.9001)											1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)											1	
	120380	LOCKWASHER, 1/4" (12.9200)											1	
	110730	LOCKWASHER, 3/8" (12.9200)											1	
	121902	NUT, 1/4"-28 HEX. (12.9120)											1	
	102635	NUT, 3/8"-16 HEX. (12.9120)											1	
		7.4535 - BRACKET, AIR SHUT-OFF SOLENOID LIMIT SWITCH												
	5127699	BRACKET	1				1	1						
	180016	BOLT, 1/4"-20X1/2" (12.9001)					4	2						
	181309	BOLT, 1/4"-28X1/2" (12.9001)	2											
	103319	LOCKWASHER, 1/4" (12.9200)	2				4	2						
	103321	LOCKWASHER, 3/8" (12.9200)						2						
	120375	NUT, 1/4"-20 HEX. (12.9120)					4	2						
	121902	NUT, 1/4"-28 HEX. (12.9120)	2											
	117049	NUT, 3/8"-24 HEX. (12.9120)						2						
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL												
	5121913	LINK	1	1			1	1	2			1		1
	5115836	LINK				1								
	103361	PIN, #7X1 3/4" TAPER (12.9250)	1	1			1	1	2			1		1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	559	561	562	565	571	574	577	578	580	582	585
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL (CONT'D)												
	112526	* PIN, 1/16"X3/8" COTTER (12.9250)				1								
	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)	1	1			1	1	2			1		1
	120392	WASHER, 1/4" PLAIN (12.9190)	AR	AR			AR	AR	AR			AR		AR
	122161	NUT, 1/4"-28 JAM (12.9120)	2	2			2	2	4			2		2
		* USE WITH 5127753 SHUTDOWN ASSY. IN 3.3000A.												
		7.4553 - COVER, AIR SHUT-OFF CONTROL HOUSING												
	5113160	COVER				1								
	271169	NUT & WASHER ASSY., #10-32 (7.4519)				2								
		7.4545 - HARNESS, AIR SHUT-OFF WIRING												
	5109526	@ HARNESS						1						
	5139597	@ HARNESS							1					
	5137779	HARNESS										1		
	5114551	TAG							1					
	3223197	CLIP (7.4580)							1			3		
		@ NO LONGER AVAILABLE FOR SERVICE.												
		7.4586 - SWITCH, OIL PRESSURE												
	5100675	SWITCH (5# BREAK)			1									
	5100722	SWITCH (10# BREAK)					1	1	1			1		
	5100720	SWITCH (27# BREAK)	1						1					
	5186528	BELLOWS ASSY.				1								
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)					1							
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)	1											
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)			1									
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)					1	1				1		
	2191465	TEE, 1/4" PIPE BRASS (7.8295)					1							
	444258	TEE, 3/8" PIPE (12.9490)			1									
	132105	SCREW, #10-32X3/8" (12.9025)				4								
	271169	NUT, #10-32 HEX. (12.9120)				4								
		7.4589 - SHAFT, OVERSPEED VALVE DRIVE FLEXIBLE												
	5135775	SHAFT ASSY.			1									
		7.4596 - TUBE, OIL PRESSURE SWITCH												
	5137788	TUBE (DEV. L. 20.60") (BLOCK TO TEMP. VALVE)											1	
	5131686	TUBE (DEV. L. 26.20") (GOV. TO				1								

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	559	561	562	565	571	574	577	578	580	582	585
		7.4596 - TUBE, OIL PRESSURE SWITCH (CONT'D)												
		BELLOWS)												
	5127834	TUBE (DEV. L. 42.86") (BELLOWS TO TEMP. VALVE)											1	
	5199575	HOSE, BULK #6X25' (31" L.) (12.9550)				2								
	5131517	HOSE (18 9/16" L.) (2.5100)						1						
	5199583	FITTING, 1/2"-20 INV. FL. STR. (12.9534)				3								
	5199588	FITTING, HOSE 5/8"-18-90 DEG. INV. FL. (12.9534)				1								
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)											1	
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)				1								
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						1						
	442323	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1		1					1	
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)						1						
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)						1						
	5133872	TEE (.055" RESTRICTED) (2.8910)				1								
	5126391	TEE, 1/4" INV. FL. TUBE											1	
	144148	TEE, 1/4" PIPE (12.9616)				1								
	173203	TEE, 5/16" TUBE, TWO WAY (12.9490)				1								
	444136	TEE, 3/8" PIPE (12.9616)						1						
	5121182	PLUG, 1/4" PIPE (12.9550)				1								
	5155464	BRACKET (7.1582)				1								
	5171509	CLIP, 5/8" (9.1591)				3								
	5177623	CLIP, 5/16" (2.5120)				1								
	3291251	CLIP, 5/8" (1.1060)				1								
	3290459	CLIP (2.5220)											3	
	181333	BOLT, 5/16"-24X5/8" (12.9001)				1								
	179833	BOLT, 3/8"-16X1/2" (12.9001)											1	
	120393	WASHER, 11/32" (12.9190)				1								
	103320	LOCKWASHER, 5/16" (12.9200)				1								
	103321	LOCKWASHER, 3/8" (12.9200)											1	
	114493	NUT, 5/16"-24 JAM (12.9120)				1								
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN												
	5137787	TUBE (DEV. L. 14.75") (VALVE TO BLOCK)											1	
	5137019	TUBE (DEV. L. 20.38") (VALVE TO BLOCK)				1								
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1							2	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	559	561	562	565	571	574	577	578	580	582	585
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN (CONT'D)												
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1								
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)											1	
	444134	TEE, 1/4" INV. FL. TUBE (12.9490)				1								
	5112241	CLAMP (2.5070)				1								
	110502	BOLT, #10-24X3/4" (12.9001)				1								
	120217	LOCKWASHER, #10 (12.9200)				1								
	110633	NUT, #10-24 HEX. (12.9120)				1								
		7.4598 - SWITCH, ALARM SHUT-OFF												
	1119828	SWITCH (12V.)			1									
	5183261	* SWITCH (12V.) (7.4505)					1							
	5172059	* SWITCH (24V.)						1						
	5184590	* SWITCH (24V.) (AUX-RELAY)							1					
	1507377	SWITCH (12# MAKE) (FUEL PRESSURE)			1									
	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)					1	1	1					
	5100721	SWITCH (30# MAKE) (FUEL PRESSURE)	2											
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)										1		
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)	1						1					
	9409943	TEE, 1/8" PIPE (7.4586)	1											
	444134	TEE, 1/4" PIPE (12.9616)										1		
	444258	TEE, 3/8" PIPE (12.9490)	1											
		* THRU 8VA-49600, 12VA-11749, 16VA-2544; EFFECTIVE WITH 8VA-49601, 12VA-11750, 16VA-2545 NOT REQUIRED.												
		7.4600 - BRACKET, ALARM SHUT-OFF SWITCH												
	5127699	* BRACKET (7.4711)							1					
	181309	* BOLT, 1/4"-28X1/2" (12.9001)							2					
	103319	* LOCKWASHER, 1/4" (12.9200)							2					
	121902	* NUT, 1/4"-28 HEX. (12.9120)							2					
		* THRU 8VA-49600, 12VA-11749, 16VA-2544; EFFECTIVE WITH 8VA-49601, 12VA-11750, 16VA-2545 NOT REQUIRED.												
		7.4611 - GOVERNOR, OVERSPEED TRIP												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5134506	GOVERNOR ASSY.								1				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	559	561	562	565	571	574	577	578	580	582	585
		7.4620 - PLUNGER, OVERSPEED TRIP GOVERNOR PILOT VALVE												-
	5135212	VALVE			1									
		7.4623 - WEIGHT AND CARRIER ASSY., OVERSPEED TRIP GOVERNOR												
		INCLUDES ITEMS IN 7.4623, 7.4625 AND 7.4589.												
	5135777	SHAFT AND WEIGHT ASSY.			1									
		7.4625 - WEIGHT, OVERSPEED TRIP GOVERNOR												
	5135384	WEIGHT			2									
	9411622	PIN (12.9275)			2									
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR												
	5124365	ADAPTOR			1									
	5125184	ADAPTOR									1			
	5124364	COVER			1									
	5126622	SEAL (1.2020)									1			
	140869	SCREW, #10-24X5/16" SET (12.9076)									1			
	179839	BOLT, 3/8"-16X1" (12.9001)									2			
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)									4			
	103321	LOCKWASHER, 3/8" (12.9200)									6			
		7.4638 - GASKET, OVERSPEED TRIP GOVERNOR ADAPTOR												
	3222141	GASKET (5.3280)			1									
	5122227	GASKET (1.5060)									1			
		7.4647 - BEARING, OVERSPEED TRIP GOVERNOR OPERATING SHAFT												
	5193661	BEARING (#180132)			1									
		7.4651 - SPRING, OVERSPEED TRIP GOVERNOR												
	5135376	SPRING			1									

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	559	561	562	565	571	574	577	578	580	582	585
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET												
	5137786	TUBE (DEV. L. 12.06") (BLOCK TO ADAPTOR)											1	
	5137015	TUBE (DEV. L. 14.00") (BLOCK TO ADAPTOR)			1									
	5115727	HOSE, FLEX. (26" L.) (COOLER TO VALVE)	1											
	5130923	HOSE, FLEX. (27.50" L.) (COOLER TO VALVE)			1				1					
	5162839	HOSE, FLEX. (30.50" L.) (COOLER TO TEMP. VALVE)					1							
	5171509	CLIP (9.1591)	1		1				1					
	3290076	CLIP					1							
	5112241	CLIP											2	
	5113191	FITTING (12.6692)	1											
	5113214	FITTING, HOSE (12.6689)	1		1				1					
	5114049	FITTING, HOSE (5/8"-18) (1.2001)			1				1					
	444148	TEE, 1/4" PIPE (12.9616)	1		1		1		1					
	190367	ELBOW, 1/4" PIPE (12.9590)	1		1				1					
	5131091	ELBOW, 1/4"X3/8" PIPE				1								
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1								
	9432249	ELBOW, 3/8" (PIPE THREAD) INV. FL. TUBE (12.9480)											1	
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)	1				1							
	103407	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1						1				1	
	103647	DRAINCOCK, 1/4" (12.9510)				1								
	118536	DRAINCOCK, 3/8" (12.9510)											1	
	142767	BUSHING, 3/4"-3/8" RED. (12.9570)											1	
	444136	TEE, 3/8" PIPE (12.9510)											1	
	110502	BOLT, #10-24X3/4" (12.9001)											1	
	120217	LOCKWASHER, #10 (12.9200)											1	
	110633	NUT, #10-24 HEX. (12.9120)											1	
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET												
	5127388	TUBE (DEV. L. 42.40") (ADAPTOR TO PUMP)											1	
	5137016	TUBE (DEV. L. 45.50") (ADAPTOR TO PUMP)				1								
	5130779	TUBE (DEV. L. 45.50") (ADAPTOR TO PUMP)					1							
	5115727 *	HOSE, FLEX. (26' L.) (VALVE TO PUMP)	1											
	5129441 @	HOSE (DEV. L. 36") (VALVE TO PUMP)			1									
	5134416 *	HOSE, FLEX. (45.50" L.) (VALVE TO PUMP)							1					
	5171509	CLIP (9.1591)	1		2				2					

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	559	561	562	565	571	574	577	578	580	582	585
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET (CONT'D)												
	5151883	CLIP (2.5070)				1								
	5158973	CLIP (4.8040)				1								
	5160388	CLIP (2.5070)					2							
	5169119	CLIP (2.5120)											2	
	5182993	BRACKET, CLIP (7.4525)				1								
	5130913	BRACKET, CLIP (7.4597)					2							
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)							1					
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)	1		1	1	1		1				1	
	5113114	FITTING (5.2285)	1											
	5113191	FITTING (12.6692)	1											
	5114049	FITTING, HOSE (5/8"-18) (2.5010)			2				2					
	444000	ADAPTOR, 1/4" PIPE (12.9460)							1					
	444255	TEE, 1/4" PIPE (12.9616)							1					
	118750	CONNECTOR, 3/8" INV. FL. TUBE (12.9380)	1											
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1						1	
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)	1											
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)				1	1							
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			2	1			2				1	
	123450	BOLT, 1/4"-28X3/4" (12.9001)				1								
	186629	BOLT, 5/16"-18X1" (12.9001)				1								
	179835	BOLT, 3/8"-16X5/8" (12.9001)	1											
	181361	BOLT, 3/8"-24X7/8" (12.9001)				2								
	180143	BOLT, 7/16"-14X3/4" (12.9001)				1								
	5150568	WASHER, 7/16" COPPER (2.4050)				1								
	120380	LOCKWASHER, 1/4" (12.9200)				1								
	103320	LOCKWASHER, 5/16" (12.9200)				1								
	103321	LOCKWASHER, 3/8" (12.9200)	AR				AR							
	121902	NUT, 1/4"-28 HEX. (12.9120)				1								
	120376	NUT, 5/16"-18 CAD. (12.9120)				1								
	117049	NUT, 3/8"-24 HEX. (12.9120)					2							
		* NOT SERVICED; STANDARD LENGTH HOSE 5113689 WILL BE PROVIDED.												
		@ NOT SERVICED. USE 5199575 BULK HOSE AND 1-5199579 AND 1-5199593 FITTINGS.												
		7.4707 - RELAY, TIME DELAY												
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.												
	8921717	RELAY KIT	1				1	1				1		
	5182525	* RELAY ASSY. (12V.)					1							
	5182545	* RELAY ASSY. (24V.)	1					1				1		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	559	561	562	565	571	574	577	578	580	582	585
		7.4707 - RELAY, TIME DELAY (CONT'D)												
	132788	SCREW, #8-32X1 3/4" RD. HD. SL. (12.9025)	2				2	2				2		
	446143	WASHER, #8 FLAT (12.9190)	2				2	2				2		
	121841	LOCKWASHER, #8 (12.9200)	2				2	2				2		
		* *NOT SERVICED, USE 8921717 KIT*												
		+ OBSOLETE												
		7.4709 - RESISTOR, TIME DELAY RELAY												
		A RESISTOR ASSY. INCLUDES LUGS.												
	5182787	* RESISTOR ASSY. (4 OHM) (12V.)					1							
	5182791	* RESISTOR ASSY. (12 OHM) (24V.)	1					1				1		
	5277322	LUG	2				2	2				2		
	100946	SCREW, #6-32X1/2" RD. HD. SL. (12.9025)	1					1				1		
	132796	SCREW, #8-32X2 1/4" RD. HD. SL. (12.9025)	1				1	1				1		
	446121	* WASHER, #6 FLAT (12.9190)	AR					1				1		
	120391	WASHER, 3/16" PLAIN CAD. (12.9190)	AR				1	1				1		
	131044	LOCKWASHER, #6 (12.9200)	AR					1				1		
	121841	LOCKWASHER, #8 (12.9200)	AR				1	1				1		
	134530	* NUT, #6-32 HEX. (12.9120)	AR					1				1		
	120622	NUT, #8-32 HEX. (12.9120)	AR				1	1				1		
		* OBSOLETE												
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING												
	5182531	* PLATE (BETWEEN RELAY AND BRACKET)	1				1	1				1		
	5188436	BRACKET ASSY.	1				1	1				1		
	132768	SCREW, #8-32X3/4" RD. HD. SL. (12.9025)	4				4	4				4		
	121841	LOCKWASHER, #8 (12.9200)	4				4	4				4		
	120622	NUT, #8-32 HEX. (12.9120)	4				4	4				4		
		* OBSOLETE												
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING												
	5182532	* INSULATOR	1				1	1				1		
		* OBSOLETE												
		7.4725 - VALVE ASSY., OVERSPEED												
		A VALVE ASSY. INCLUDES ITEMS IN 7.4620, 7.4623, 7.4625, 7.4647, 7.4651, 7.4725, 7.4727, 7.4729,												

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	559	561	562	565	571	574	577	578	580	582	585
		7.4725 - VALVE ASSY., OVERSPEED (CONT'D)												
		7.4731, 7.4733, 7.4735, AND 7.4737.												
	5135373	* VALVE ASSY., OVERSPEED AND LOW OIL PRESSURE (7.4591)			1									
	186629	BOLT, 5/16"-18X1" (12.9001)			2									
	120393	WASHER, 5/16" (12.9190)			2									
	103320	LOCKWASHER, 5/16" (12.9200)			2									
		* NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE 5142628.												
		7.4727 - HOUSING, OVERSPEED VALVE												
	5136509	HOUSING			1									
	5135395	PLATE NAME			1									
	109371	SCREW, #0X3/16" RD. HD. DRIVE (12.9067)			2									
		7.4729 - COVER, OVERSPEED VALVE												
	5135385	# COVER			1									
	436574	SCREW, #10-24X1" (12.9025)			4									
	446202	WASHER, 5/16" (12.9190)			1									
	120217	LOCKWASHER, #10 (12.9200)			4									
	9419454	NUT, 1/4"-20 LOCK SCREW (12.9120)			1									
		# NOT SERVICED USE 5142627 AND INCLUDE 1-5142665 GUIDE ASSY. TO ASSURE INTERCHANGEABILITY.												
		7.4731 - PISTON, OVERSPEED VALVE												
	5103309	PISTON			1									
	5135171	PILOT, SPRING			1									
	9421616	BOLT, #8-32X5/8" (12.9027)			1									
	106496	LOCKWASHER, #8 (12.9200)			1									
		7.4733 - DIAPHRAM, OVERSPEED VALVE PISTON												
	5135172	DIAPHRAGM, OVERSPEED VALVE OIL PISTON			1									
	5135273	WASHER			1									
		7.4735 - GUIDE, OVERSPEED VALVE PISTON												
	5137210	* GUIDE ASSY.			1									
		* NOT SERVICED USE 5142665 GUIDE ASSY. AND INCLUDE (1) 5142627 COVER												

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 557	559	561	562	565	571	574	577	578	580	582	585
		7.4735 - GUIDE, OVERSPEED VALVE PISTON (CONT'D)												
		TO ASSURE INTERCHANGEABILITY.												
		7.4737 - SPRING, OVERSPEED VALVE PISTON												
	5143575	SPRING			1									
	5135221	RETAINER			1									
		7.4746 - TUBE, OVERSPEED VALVE OIL SUPPLY												
	5133163	HOSE (21" DEV. L.) (12.4065)			1.									
	9409931	ELBOW, 90 DEG. STREET (12.9590)			1									
	116453	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9390)			1									
	118753	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9390)			1									
	5161873	CLIP, 7/16" (7.4412)			1									

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 587	588	589	590	591	593	597	598	599	600	601
		7.4505 - SWITCH, WATER TEMPERATURE											
	5146080	SWITCH		1	1	1		1			1		
	5144496	SWITCH ASSY. (196 DEG.)					1		2			2	
	5163830	GASKET (7.4586)					1		1			1	
	444148	TEE, 1/4" PIPE (12.9616)			1	1			1				
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)			1	1			1				
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)			1	1			1				
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)			1	1			1				
	178378	LOCKWASHER, #10 (12.9210)									1		
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)			1	1							
	120361	NUT, #10-24 HEX. HD. (12.9720)										2	
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH											
	5108415	ADAPTOR (6.2120)					1						
	5109718	ADAPTOR ASSY.					1		1			1	
	5113655	STUD, 5/16"-18-24X2.46" (3.3003)					2		2			2	
	5109717	PLUNGER (7.4505)					1		1			1	
	5109719	SPRING (7.4505)					1		1			1	
	5145010	PLUG, 1/4" PIPE (12.9550)					1		1			1	
	138247	BOLT, 3/8"-16X2 1/4" HEX. SOC. (12.9027)					4						
	103320	LOCKWASHER, 5/16" (12.9200)					2		2			2	
	121917	NUT, 5/16"-24 HEX. (12.9120)					2		2			2	
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR											
	5113412	GASKET (6.1110)					1		1			1	
	5163811	GASKET (6.2105)					1						
		7.4519 - SOLENOID, AIR SHUT-OFF											
	1118128	* SOLENOID (12V.)				1							
	1118191	* SOLENOID (24V.)	1	1	1		1	1	1				
	117461	BOLT, 1/4"-20X9/16" (12.9001)		4	4	4		4					
	181309	BOLT, 1/4"-28X1/2" (12.9001)					4						
	186676	BOLT, 1/4"-20X5/8" (12.9001)	4										
	120385	WASHER, #10 FLAT (12.9190)					AR						
	120380	LOCKWASHER, 1/4" (12.9200)	4	AR	AR	AR	AR	AR					
	120375	NUT, 1/4"-20 HEX. (12.9120)	4										
	114492	NUT, 1/4"-28 (JAM) (12.9120)							2				

* PROCURE FROM UNITED DELCO.

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 587	588	589	590	591	593	597	598	599	600	601
		7.4535 - BRACKET, AIR SHUT-OFF SOLENOID LIMIT SWITCH											
	5137519	BRACKET	1										
	5138139	@ BRACKET					1						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2										
	455537	BOLT, 3/8"-16X4" (12.9001)					4						
		@ OBSOLETE.											
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL											
	5121913	LINK		1	1	1		1					
	5137518	LINK	1										
	5138138	@ LINK					1						
	103361	PIN, #7X1 3/4" TAPER (12.9250)	1	1	1	1		1	1				
	112526	* PIN, 1/16"X3/8" COTTER (12.9250)					1						
	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)	1	1	1	1		1	1				
	5124916	* SPACER (9/32"X.030")					1						
	5115204	* BOLT, 1/4"-28X1 1/4" (7.4519)					1						
	120392	WASHER, 1/4" PLAIN (12.9190)	AR	AR	AR	AR		AR	AR				
	120380	* LOCKWASHER, 1/4" (12.9200)					1						
	122161	NUT, 1/4"-28 JAM (12.9120)	2	2	2	2	4	2					
		@ OBSOLETE.											
		* USE WITH 5127753 SHUTDOWN ASSY. IN 3.3000A.											
		7.4545 - HARNESS, AIR SHUT-OFF WIRING											
	5139596	@ HARNESS					1						
	5138151	@ HARNESS						1					
	3223197	CLIP (7.4580)					4	7					
	3290076	CLIP (4.8040)					1						
	140573	CLIP (12.9630)					2						
	179835	BOLT, 3/8"-16X5/8" (12.9001)						2					
	103321	LOCKWASHER, 3/8" (12.9200)						2					
		@ OBSOLETE.											
		7.4586 - SWITCH, OIL PRESSURE											
	5100675	SWITCH (5# BREAK)										1	
6A	5100722	SWITCH (10# BREAK)		1	1	1	1	1				1	
6A	5100720	SWITCH (27# BREAK)					1		1				
	5177752	ELBOW, 1/8"X1/8"X1/4" PIPE (2.7890)								1			
	444052	ELBOW, 1/8"-45 DEG. STREET (12.9590)							1				
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)					2			1			
	5182120	NIPPLE, 1/8"X.76" (7.4074)					1						
	444000	ADAPTOR, 1/4" PIPE (BRASS) (12.9460)								1			
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)				1							
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)		1	1		1		1				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 587	588	589	590	591	593	597	598	599	600	601
		7.4586 - SWITCH, OIL PRESSURE (CONT'D)											
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)				1		1					
	144082	TEE, 1/8" PIPE (12.9616)					1						
	5104778	TEE, 1/4"X1/4"X5/8" INT. EXT. INT. (7.4694)				1							
		7.4589 - SHAFT, OVERSPEED VALVE DRIVE FLEXIBLE											
	5135775	SHAFT ASSY.										1	
		7.4598 - SWITCH, ALARM SHUT-OFF											
	5184590	* SWITCH (24V.) (AUX-RELAY)					1						
	5189800	* SWITCH (24V.) (SOLENOID)							1			1	
	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)			1	1	1	1					
	5100721	SWITCH (30# MAKE) (FUEL PRESSURE)							2				
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)					1						
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)			1	1							
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)						1	1				
	9409943	TEE, 1/8" PIPE (7.4586)							1				
	2191465	TEE, 1/8" (7.8295)					1						
	444258	TEE, 3/8" PIPE (12.9490)						1	1				
	5104778	TEE (3/8" INV. FL. TUBE, 1/4" PIPE TAP) (7.4694)			1								
	186676	BOLT, 1/4"-20X5/8" (12.9001)					2						
	103319	LOCKWASHER, 1/4" (12.9200)					2						
	120375	NUT, 1/4"-20 HEX. (12.9120)					2						
		* THRU 8VA-49600, 12VA-11749, 16VA-2544; EFFECTIVE WITH 8VA-49601, 12VA-11750, 16VA-2545 NOT REQUIRED.											
		7.4600 - BRACKET, ALARM SHUT-OFF SWITCH											
	5138140	@ BRACKET					1						
	148089	* BOLT, 3/8"-24X5" (12.9001)					2						
		@ OBSOLETE.											
		* THRU 8VA-49600, 12VA-11749, 16VA-2544; EFFECTIVE WITH 8VA-49601, 12VA-11750, 16VA-2545 NOT REQUIRED.											
		7.4611 - GOVERNOR, OVERSPEED TRIP											
	5138199	GOVERNOR ASSY.								1			
	5131874	GOVERNOR ASSY.											1
	179839	BOLT, 3/8"-16X1" (12.9001)								2			2

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 587	588	589	590	591	593	597	598	599	600	601
		7.4611 - GOVERNOR, OVERSPEED TRIP (CONT'D)											
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)								4			4
	103321	LOCKWASHER, 3/8" (12.9200)								6			6
		7.4620 - PLUNGER, OVERSPEED TRIP GOVERNOR PILOT VALVE											
	5135212	VALVE										1	
		7.4623 - WEIGHT AND CARRIER ASSY., OVERSPEED TRIP GOVERNOR											
		INCLUDES ITEMS IN 7.4623, 7.4625 AND 7.4589.											
	5135777	SHAFT AND WEIGHT ASSY.										1	
		7.4625 - WEIGHT, OVERSPEED TRIP GOVERNOR											
	5135384	WEIGHT										2	
	9411622	PIN (12.9275)										2	
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR											
	5124365	ADAPTOR										1	
	5124364	COVER										1	
		7.4638 - GASKET, OVERSPEED TRIP GOVERNOR ADAPTOR											
	3222141	GASKET (5.3280)										1	
		7.4647 - BEARING, OVERSPEED TRIP GOVERNOR OPERATING SHAFT											
	5193661	BEARING (#180132)										1	
		7.4651 - SPRING, OVERSPEED TRIP GOVERNOR											
	5135376	SPRING										1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 587	588	589	590	591	593	597	598	599	600	601
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET											
	5130778	TUBE (DEV. L. 41.92") (COOLER TO VALVE)					1						
	5130923	* HOSE, FLEX. (27.50"L.) (COOLER TO VALVE)							1			1	
	5171509	CLIP (9.1591)							1				
	5177623	CLIP (2.5120)					1						
	3291251	CLIP, 5/8" (1.1060)										1	
	5113214	FITTING, HOSE (12.6689)							1			1	
	5114049	FITTING, HOSE (5/8"-18) (1.2001)							1			1	
	444148	TEE, 1/4" PIPE (12.9616)							1			1	
	190367	ELBOW, 1/4" PIPE (12.9590)							1			1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1		2				
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1		1			1	
		* NOT SERVICED USE 5199575 (9.2" L. BULK HOSE) AND (1) 5199579 & (1) 5199588.											
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET											
	5130776	TUBE (DEV. L. 37.38") (ADAPTOR TO PUMP)					1						
	5129441	* HOSE (DEV. L. 36") (VALVE TO PUMP)							1				
	5134416	@ HOSE, FLEX. (45.50"L.) (VALVE TO PUMP)										1	
	5171509	CLIP (9.1591)							2			2	
	5160388	CLIP (2.5070)					2						
	5130913	BRACKET, CLIP (7.4597)					2						
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)					1		1			1	
	5114049	FITTING, HOSE (5/8"-18) (2.5010)							2			2	
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)										1	
	137407	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1						
	137423	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1		2				
	181361	BOLT, 3/8"-24X7/8" (12.9001)					2						
	103321	LOCKWASHER, 3/8" (12.9200)					AR						
	117049	NUT, 3/8"-24 HEX. (12.9120)					2						
		* NOT SERVICED. USE 5199575 BULK HOSE AND 1-5199579 AND 1-5199593 FITTINGS.											
		@ NOT SERVICED; STANDARD LENGTH HOSE 5113689 WILL BE PROVIDED.											
		7.4707 - RELAY, TIME DELAY											
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.											
	8921717	RELAY KIT			1	1		1	1				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 587	588	589	590	591	593	597	598	599	600	601
		7.4707 - RELAY, TIME DELAY (CONT'D)											
	5182544	* RELAY ASSY. (12V.)				1							
	5182545	* RELAY ASSY. (24V.)			1			1	1				
	132788	SCREW, #8-32X1 3/4" RD. HD. SL. (12.9025)		2	2	2		2	2				
	446143	WASHER, #8 FLAT (12.9190)		2	2	2		2	2				
	121841	LOCKWASHER, #8 (12.9200)		2	2	2		2	2				
		* NOT SERVICED, USE 8921717 KIT											
		7.4709 - RESISTOR, TIME DELAY RELAY											
		A RESISTOR ASSY. INCLUDES LUGS.											
	5182790	RESISTOR ASSY. (5 OHM) (12V.)				1							
	5182791	* RESISTOR ASSY. (12 OHM) (24V.)			1			1	1				
	5277322	LUG			2	2		2	2				
	100946	SCREW, #6-32X1/2" RD.HD.SL. (12.9025)			1	1		1	1				
	132796	SCREW, #8-32X2 1/4" RD. HD. SL. (12.9025)			1	1		1	1				
	446121	* WASHER, #6 FLAT (12.9190)			1	1		1	AR				
	120391	WASHER, 3/16" PLAIN CAD. (12.9190)			1	1		1	AR				
	131044	LOCKWASHER, #6 (12.9200)			1	1		1	AR				
	121841	LOCKWASHER, #8 (12.9200)			1	1		1	AR				
	134530	* NUT, #6-32 HEX. (12.9120)			1	1		1	AR				
	120622	NUT, #8-32 HEX. (12.9120)			1	1		1	AR				
		* OBSOLETE											
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING											
	5182531	* PLATE (BETWEEN RELAY AND BRACKET)			1	1		1	1				
	5188436	BRACKET ASSY.		1	1	1		1	1				
	5159347	SPACER, 3/4"X1/2"			2								
	132768	SCREW, #8-32X3/4" RD. HD. SL. (12.9025)		4	4	4		4	4				
	443855	BOLT, 3/8"-16X1 3/8" W/LW (12.9001)			2								
	179847	BOLT, 3/8"-16X2" (12.9001)			2								
	121841	LOCKWASHER, #8 (12.9200)		4	4	4		4	4				
	103321	LOCKWASHER, 3/8" (12.9200)			2								
	103341	WASHER, 3/8" FLAT (12.9190)			1								
	120622	NUT, #8-32 HEX. (12.9120)		4	4	4		4	4				
		* OBSOLETE											
		7.4713 - INSULATOR, TIME DELAY RELAY *MOUNTING*											
	5182532	* INSULATOR		1	1	1		1	1				
		* OBSOLETE											

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 587	588	589	590	591	593	597	598	599	600	601
		7.4725 - VALVE ASSY., OVERSPEED											
		A VALVE ASSY. INCLUDES ITEMS IN 7.4620, 7.4623, 7.4625, 7.4647, 7.4651, 7.4725, 7.4727, 7.4729, 7.4731, 7.4733, 7.4735, AND 7.4737.											
	5135373	* VALVE ASSY., OVERSPEED AND LOW OIL PRESSURE (7.4591)										1	
	186629	BOLT, 5/16"-18X1" (12.9001)										2	
	120393	WASHER, 5/16" (12.9190)										2	
	103320	LOCKWASHER, 5/16" (12.9200)										2	
		* NOT SERVICED; COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE 5142628.											
		7.4727 - HOUSING, OVERSPEED VALVE											
	5136509	HOUSING										1	
	5135395	PLATE NAME										1	
	109371	SCREW, #0X3/16" RD. HD. DRIVE (12.9067)										2	
		7.4729 - COVER, OVERSPEED VALVE											
	5135385	# COVER										1	
	436574	SCREW, #10-24X1" (12.9025)										4	
	446202	WASHER, 5/16" (12.9190)										1	
	120217	LOCKWASHER, #10 (12.9200)										4	
	9419454	NUT, 1/4"-20 LOCK SCREW (12.9120)										1	
		# NOT SERVICED; USE 5142627 AND INCLUDE 1-5142665 GUIDE ASSY. TO ASSURE INTERCHANGEABILITY.											
		7.4731 - PISTON, OVERSPEED VALVE											
	5103309	PISTON										1	
	5135171	PILOT, SPRING										1	
	9421616	BOLT, #8-32X5/8" (12.9027)										1	
	106496	LOCKWASHER, #8 (12.9200)										1	
		7.4733 - DIAPHRAM, OVERSPEED VALVE PISTON											
	5135172	DIAPHRAGM, OVERSPEED VALVE OIL PISTON										1	
	5135273	WASHER										1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 587	588	589	590	591	593	597	598	599	600	601
		7.4735 - GUIDE, OVERSPEED VALVE PISTON											
	5137210 *	GUIDE ASSY.										1	
		* NOT SERVICED USE 5142665 GUIDE ASSY. AND INCLUDE (1) 5142627 COVER TO ASSURE INTERCHANGEABILITY.											
		7.4737 - SPRING, OVERSPEED VALVE PISTON											
	5143575	SPRING										1	
	5135221	RETAINER										1	
		7.4746 - TUBE, OVERSPEED VALVE OIL SUPPLY											
	5133163	HOSE (21" DEV. L.) (12.4065)										1	
	9409931	ELBOW, 90 DEG. STREET (12.9590)										1	
	116453	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9390)										1	
	118753	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9390)										1	
	5161873	CLIP, 7/16" (7.4412)										1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6031	6041	6061	6081	6091	6101	6111	6131	6151	6171	6251	6461
		7.4505 - SWITCH, WATER TEMPERATURE												
	5144496	SWITCH ASSY. (196 DEG. OPEN)		1	1	1		1		1	1		1	
	5146080	SWITCH ASSY. (NORMALLY OPEN)							1					
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)				1			1					
	442323	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)								1				
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)				1			1					
	5163830	GASKET (7.4586)		1	1	1		1		1	1		1	
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)				1			1					
	444148	TEE, 1/4" PIPE (12.9616)				1			1					
	444255	TEE, 1/4" PIPE (12.9616)									1			
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)				1			1					
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
	5109718	ADAPTOR ASSY.		1	1	1		1		1	1		1	
	5113655	STUD, 5/16"-18X2.46" (3.3003)		2	2	2		2		2	2		2	
	5109717	PLUNGER (7.4505)		1	1	1		1		1	1		1	
	5109719	SPRING (7.4505)		1	1	1		1		1	1		1	
	5121182	PLUG, 1/4" PIPE (12.9550)		1	1	1		1		1	1		1	
	103320	LOCKWASHER, 5/16" (12.9200)		2	2	2		2		2	2		2	
	114493	NUT, 5/16"-24 HEX. (12.9120)		2	2	2		2		2	2		2	
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET (6.1110)		1	1	1		1		1	1		1	
		7.4513 - BELL, ALARM SYSTEM												
	5131954	+ BELL (12V.) (8921360)		1										
		+ NOT SERVICED; USE NUMBER IN PARENTHESES.												
		7.4514 - RELAY, ALARM BELL												
	5177779	RELAY (12V.)		1										
		7.4519 - SOLENOID, AIR SHUT-OFF												
	1118128	* SOLENOID (12V.)				1			1					
	1118191	* SOLENOID (24V.-32V.)			1			1			1		1	
	117461	BOLT, 1/4"-20X9/16" (12.9001)			4	4		4	4		4		4	
	120392	WASHER, 1/4" PLAIN (12.9190)			4			4					4	
	120380	LOCKWASHER, 1/4" (12.9200)			4	4		4	4		4		4	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 603	604	606	608	609	610	611	613	615	617	625	646
		7.4519 - SOLENOID, AIR SHUT-OFF (CONT'D)												
		* PROCURE FROM UNITED DELCO.												
		7.4535 - BRACKET, AIR SHUT-OFF SOLENOID LIMIT SWITCH												
	5127699	BRACKET				1								
	180016	BOLT, 1/4"-20X1/2" (12.9001)				4								
	103319	LOCKWASHER, 1/4" (12.9200)				4								
	120375	NUT, 1/4"-20 HEX. (12.9120)				4								
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL												
	5121913	LINK			1	1		1	1		1		1	
	103361	PIN, #7X1 3/4" TAPER (12.9250)			1	1		1	1		1			
6B	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)			1	1		1	1		1		1	
	120392	WASHER, 1/4" PLAIN (12.9190)			2	2		2	2		2		2	
	114492	NUT, 1/4"-28 (JAM) (12.9120)			2	2		2	2		2		2	
		7.4545 - HARNESS, AIR SHUT-OFF WIRING												
	5137779	HARNESS							1					
	3223197	CLIP (7.4580)							3					
	5114551	TAG, CABLE							1					
		7.4586 - SWITCH, OIL PRESSURE												
6A	5100722	SWITCH (10# BREAK)				1			1	1	1			
6A	5100720	SWITCH (27# BREAK)		1	1			1					1	
	444052	ELBOW, 1/8"-45 DEG. STREET (12.9590)											1	
	120401	ELBOW, 1/8"-90 DEG. STREET (12.9590)									1			
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)		1	1		1	1		1			1	
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)				1			1					
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)								1				
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)									1			
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)				1			1		1			
	116436	CONNECTION, 1/4" TUBE, 1/4" PIPE THREAD (12.9380)							1					
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)				1			1					
	2191465	TEE, 1/4" PIPE (7.8295)									1			
	444148	TEE, 1/4" PIPE (12.9616)							1					
	444258	TEE, 3/8" PIPE (12.9490)								1				
		7.4587 - ADAPTOR ASSY., OVERSPEED VALVE DRIVE CABLE												
		INCLUDES ITEMS IN 7.4587.												
	1565170	ADAPTOR (TACH. CABLE) (90 DEG. R.H., 1:1 RATIO)								1				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 603	604	606	608	609	610	611	613	615	617	625	646
		7.4587 - ADAPTOR ASSY., OVERSPEED VALVE DRIVE CABLE (CONT'D)												
	5136765 *	COVER ASSY., O/SPD. VALVE DRIVE (7.4590)					1			1				
	1582290	KEY (1 7/16" L.) (7.4420)								AR				
	1582724	PLUG (7.4432)					2			1				
	5155854	STUD, 5/16"X1 3/32" (7.4445)								1				
	191758	FITTING, 1/8" LUBE (12.9540)								1				
	178779	FITTING, RELIEVE VALVE (12.9540)												
		* INCLUDES ADAPTER 5136764 WHICH IS NOT SERVICED SEPARATELY AND TWO STUDS 5155854.												
		7.4588 - FLANGE, & SEAL ASSY., OVERSPEED VALVE CABLE ADAPTOR												
		INCLUDES SEAL IN 7.4588.												
	5136394	FLANGE & SEAL ASSY.								1				
	5136398	SEAL								1				
		7.4589 - SHAFT, OVERSPEED VALVE DRIVE FLEXIBLE												
	5135168	SHAFT (1.46" L.) (7.4606)					1							
	5136395	SHAFT (2.56" L.)								1				
	3224992	SHAFT (7.4435)								1				
		7.4591 - VALVE ASSY., OVERSPEED AND LOW OIL PRESSURE												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
	5142496 =	VALVE ASSY.								1				
		= ASSY. NOT SERVICED; COMPONENTS ARE AVAILABLE.												
		7.4592 - GASKET, OVERSPEED AND LOW OIL PRESSURE VALVE												
	3222141	GASKET (5.3280)					1							
	5116391	GASKET (1.5060)								1				
		7.4596 - TUBE, OIL PRESSURE SWITCH												
	5131146	HOSE (25" DEV. L.) (12.4065)					1							
	9409931	ELBOW, 90 DEG. STREET (12.9590)					1							
	116453	ELBOW, 1/4" INV. FL. TUBE 90 DEG.					1							

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 603	604	606	608	609	610	611	613	615	617	625	646
		7.4596 - TUBE, OIL PRESSURE SWITCH (CONT'D)												
		(12.9390)												
	118753	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)					1							
	5161873	CLIP, 7/16" (7.4412)					1							
	5168001	CLIP, 1/2" (12.4095)					1							
		7.4598 - SWITCH, ALARM SHUTOFF												
	5183261 *	SWITCH (12V.) (SOLENOID) (7.2440)				1								
	1119828	SWITCH (12V.) (7.3255)								1				
	5189800 *	SWITCH (24V.) (SOLENOID)					1							
	1507377	SWITCH (12# MAKE) (FUEL PRESSURE)								1				
	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)				1			1		1			
	5100721	SWITCH (30# MAKE) (FUEL PRESSURE)				1		1					1	
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)			1			1					1	
	444258	TEE, 3/8"-18 PIPE (12.9490)											1	
		* THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.												
		7.4611 - GOVERNOR, OVERSPEED TRIP												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5131873	GOVERNOR ASSY.	1											
	5136228	GOVERNOR ASSY.										1		
6D	5132229	GOVERNOR ASSY.												1
	179839	BOLT, 3/8"-16X1" (12.9001)	2								2			2
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)	4								4			4
	103321	LOCKWASHER, 3/8" (12.9200)	6								6			6
		7.4614 - HOUSING ASSY., OVERSPEED TRIP GOVERNOR												
	5135374	HOUSING (7.4727)					1							
	5136509	HOUSING (7.4727)								1				
	5135395	PLATE, NAME					1			1				
	109371	SCREW, #0X3/16" RD. HD. DRIVE (12.9067)					2			2				
		7.4620 - PLUNGER, OVERSPEED TRIP GOVERNOR PILOT VALVE												
	5135212	VALVE					1			1				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 603	604	606	608	609	610	611	613	615	617	625	646
		7.4623 - WEIGHT & CARRIER ASSY., OVERSPEED TRIP GOVERNOR												
		INCLUDES ITEMS IN 7.4623, 7.4625 AND 7.4589.												
	5135179	SHAFT & WEIGHT ASSY.					1							
	5136510	SHAFT & WEIGHT ASSY.								1				
		7.4625 - WEIGHT, OVERSPEED TRIP GOVERNOR												
	5135384	WEIGHT					2			2				
	9411622	PIN (12.9275)					2			2				
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR												
	5136765	ADAPTOR					1							
		7.4638 - GASKET, OVERSPEED TRIP GOVERNOR ADAPTOR												
	5104507	GASKET					1							
		7.4646 - SHAFT, OVERSPEED TRIP GOVERNOR OPERATING												
	6453326	CABLE ASSY. (36" L.)								1				
		7.4647 - BEARING, OVERSPEED TRIP GOVERNOR OPERATING SHAFT												
	5193661	BEARING					1			1				
		7.4651 - SPRING, OVERSPEED TRIP GOVERNOR												
	5135377	SPRING					1							
	5135376	SPRING								1				
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET												
	5101398	TUBE (DEV. L. 17.32") (VALVE ADAPTOR TO BLOCK)				1								
	5128573	TUBE (DEV. L. 43.00") (COOLER TO VALVE)									1			

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6031	6041	6061	6081	6091	6111	6131	6151	6171	6251	6461
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)											
	5130923	HOSE, FLEX. (27.50"L.) (COOLER TO VALVE)			1			1		1			1		
	5115728	HOSE, FLEX. (30.50" L.) (COOLER TO VALVE)		1											
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)			1			1		1			1		
	5169119	CLIP, 3/8" (2.5120)									1				
	5171509	CLIP, 5/8" (9.1591)			1			1					1		
	5113214	FITTING, 3/8" HOSE (1/4"-18) (12.6689)		1	1			1		1			1		
	5113191	FITTING, 3/8" HOSE (5/8"-18) (12.6692)		1											
	5114049	FITTING, 3/8" HOSE (5/8"-18) (1.2001)			1			1		1			1		
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)		1											
	193004	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1									
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1			1		1			1		
	444148	TEE, 1/4" PIPE (12.9616)		1	1			1		1			1		
	5127510	TEE (3/8" INV. FL. TUBE, 1/4" PIPE)				1									
	3291251	CLIP, 5/8" (1.1060)							1						
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET											
	5127770	TUBE (DEV. L. 20.90") (VALVE TO PUMP)				1									
	5127388	TUBE (DEV. L. 42.44") (VALVE TO PUMP)								1					
	5115727	HOSE, FLEX. (26.00" L.) (VALVE TO PUMP)		1											
	5129441	HOSE, FLEX. (36" L.) (VALVE TO PUMP)			1			1		1			1		
	5169119	CLIP, 3/8" (2.5120)								2					
	5171509	CLIP, 5/8" (9.1591)		1	2			2		2		2			
	5113214	FITTING, 3/8" HOSE (1/4"-18) (12.6689)		1											
	5113191	FITTING, 3/8" HOSE (5/8"-18) (12.6692)		1											
	5114049	FITTING, 3/8" HOSE (5/8"-18) (1.2001)			2			2		2			2		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)								1					
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)		2											
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			2	2		2		2	1		2		
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)		1	1	1		1		1	1		1		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6033	6044	6066	6088	6099	6110	6111	6113	6115	6117	6125	6446
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET (CONT'D)												
	179835	BOLT, 3/8"-16X5/8" (12.9001)		1										
	103321	LOCKWASHER, 3/8" (12.9200)		1										
		7.4707 - RELAY, TIME DELAY												
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.												
	8921717	RELAY KIT			1	1		1	1		1		1	
	5182525	* RELAY ASSY. (12V.)				1								
	5182544	* RELAY ASSY. (12V.)							1					
	5182545	* RELAY ASSY. (24V.)			1						1		1	
	5182546	* RELAY ASSY. (32V.)						1						
	132788	SCREW, #8-32X1 3/4" RD. HD. SL. (12.9025)			2	2		2	2		2		2	
	446143	WASHER, #8 FLAT (12.9190)			2	2		2	2		2		2	
	121841	LOCKWASHER, #8 (12.9200)			2	2		2	2		2		2	
		* NOT SERVICED, USE 8921717 KIT												
		7.4709 - RESISTOR, TIME DELAY RELAY												
		A RESISTOR ASSY. INCLUDES LUGS.												
	5182787	* RESISTOR ASSY. (12V.) (4 OHM)		1		1								
	5182790	* RESISTOR ASSY. (12V.) (5 OHM)							1					
	5182791	* RESISTOR ASSY. (24V.) (12 OHM)			1						1		1	
	5182792	* RESISTOR ASSY. (32V.) (15 OHM)						1						
	5277322	LUG		2	2	2		2	2		2		2	
	100946	SCREW, #6-32X1/2" RD. HD. SL. (12.9025)			1			1	1		1		1	
	132796	SCREW, #8-32X2 1/4" RD. HD. SL. (12.9025)			1	1		1	1		1		1	
	446121	* WASHER, #6 FLAT (12.9190)			1			1	1		1		1	
	120391	WASHER, 7/32"X1/2" (12.9190)			1	1		1	1		1		1	
	131044	LOCKWASHER, #6 (12.9200)			2			2	2		2		2	
	121841	LOCKWASHER, #8 (12.9200)			1	1		1	1		1		1	
	134530	* NUT, #6-32 HEX. (12.9120)			2			2	2		2		2	
	120622	NUT, #8-32 HEX. (12.9120)			1	1		1	1		1		1	
		* OBSOLETE												
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING												
	5182531	* PLATE			1	1		1	1		1		1	
	5188436	BRACKET ASSY.			1	1		1	1		1		1	
	132768	SCREW, #8-32X3/4" RD. HD. SL.			4	4		4	4		4		4	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 603	604	606	608	609	610	611	613	615	617	625	646
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING (CONT'D)												
		(12.9025)												
	121841	LOCKWASHER, #8 (12.9200)			4	4		4	4		4		4	
	120622	NUT, #8-32 HEX. (12.9120)			4	4		4	4		4		4	
		* OBSOLETE												
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING												
	5182532	* INSULATOR				1		1	1		1		1	
		* OBSOLETE												
		7.4725 - VALVE ASSY., OVERSPEED												
		A VALVE ASSY. INCLUDES ITEMS IN 7.4620, 7.4623, 7.4625, 7.4647, 7.4651, 7.4725, 7.4727, 7.4729, 7.4731, 7.4733, 7.4735, AND 7.4737.												
	5142495	VALVE ASSY., OVERSPEED & LOW OIL PRESSURE (7.4591)					1							
	5142496	VALVE ASSY., OVERSPEED & LOW OIL PRESSURE (7.4591)								1				
	454151	BOLT, 5/16"-24X1 1/2" (12.9001)								2				
	120393	WASHER, 5/16" (12.9190)					2							
	103320	LOCKWASHER, 5/16" (12.9200)					2			2				
	114493	NUT, 5/16"-24 HEX. (12.9120)					2			2				
		7.4727 - HOUSING, OVERSPEED VALVE												
	5136509	HOUSING					1			1				
		7.4729 - COVER, OVERSPEED VALVE												
	5135385	# COVER					1			1				
	436574	SCREW, #10-24X1" (12.9025)					4			4				
	5179709	WASHER, 1/4" COPPER (2.7175)					1							
	446202	WASHER, 5/16" (12.9190)								1				
	120217	LOCKWASHER, #10 (12.9200)					4			4				
	9419454	NUT, 1/4"-20 INSULATED (12.9120)					1			1				
		# NOT SERVICED; USE 5142627 AND INCLUDE 1-5142665 GUIDE ASSY. TO ASSURE INTERCHANGEABILITY.												
		7.4731 - PISTON, OVERSPEED VALVE												
	5103309	PISTON					1			1				
	5135171	PILOT, SPRING					1			1				
	9421616	BOLT, #8-32X5/8" (12.9027)					1			1				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 603	604	606	608	609	610	611	613	615	617	625	646
		7.4731 - PISTON, OVERSPEED VALVE (CONT'D)												
	106496	LOCKWASHER, #8 (12.9200)					1			1				
		7.4733 - DIAPHRAGM, OVERSPEED VALVE PISTON												
	5135172	DISPHRAGM, OVERSPEED VALVE PISTON					1			1				
	5135273	WASHER					1			1				
		7.4735 - GUIDE, OVERSPEED VALVE PISTON												
	5137210 *	GUIDE ASSY. * NOT SERVICED; USE 5142665 GUIDE ASSY. AND INCLUDE (1) 5142627 COVER TO INSURE INTERCHANGEABILAITY.					1			1				
		7.4737 - SPRING, OVERSPEED VALVE PISTON												
	5143575	SPRING					1			1				
	5135221	RETAINER					1			1				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6471	6510	6522	6533	6544	6555	6566	6577	6588	6599	6600
		7.4503 - SWITCH, AIR PRESSURE											
	5139973	SWITCH			1								
		7.4505 - SWITCH, WATER TEMPERATURE											
	5144496	SWITCH ASSY. (196 DEG. OPEN)				1	1			1	1		
	5146080	SWITCH ASSY. (NORMALLY OPEN)										1	1
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)					1						
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)					1						
	5163830	GASKET (7.4586)				1	1				1		
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)					1						
	444148	TEE, 1/4" PIPE (12.9616)					1						
	178378	LOCKWASHER, #10 (12.9215)								1		1	
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)					1						
	120361	NUT, #10-24 HEX. (12.9120)									2		
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH											
	5109718	ADAPTOR ASSY.				1	1				1		
	5113655	STUD, 5/16"-18X2.46" (3.3003)				2	2				2		
	5109717	PLUNGER (7.4505)				1	1				1		
	5109719	SPRING (7.4505)				1	1				1		
	5145010	PLUG, 1/4" PIPE (12.9550)				1	1				1		
	103320	LOCKWASHER, 5/16" (12.9200)				2	2				2		
	114493	NUT, 5/16"-24 HEX. (12.9120)				2	2				2		
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR											
	5113412	GASKET (6.1110)				1	1				1		
		7.4513 - BELL, ALARM SYSTEM											
	5131954	+ BELL (12V.) (8921360)				1						1	
		+ NOT SERVICED: USE NUMBER IN PARENTHESES.											
	5139975	BUZZER			1								
		7.4514 - RELAY, ALARM BELL											
	3290747	RELAY (12V.)				1						1	
		7.4519 - SOLENOID, AIR SHUT-OFF											
	1118128	* SOLENOID (12V.)							1				
	1118191	* SOLENOID (24V.-32V.)					1				1		1
	117461	BOLT, 1/4"-20X9/16" (12.9001)					4		4		4		4

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 647	650	652	653	654	655	656	657	658	659	660
		7.4519 - SOLENOID, AIR SHUT-OFF (CONT'D)											
	120380	LOCKWASHER, 1/4" (12.9200) *					4		4		4		4
		* PROCURE FROM UNITED DELCO.											
		7.4535 - BRACKET, AIR SHUT-OFF SOLENOID LIMIT SWITCH											
	5127699	BRACKET					1						
	180016	BOLT, 1/4"-20X1/2" (12.9001)					2						
	103319	LOCKWASHER, 1/4" (12.9200)					2						
	120375	NUT, 1/4"-20 HEX. (12.9120)					2						
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL											
	5121913	LINK					1		1		1		1
	103361	PIN, #7X1 3/4" TAPER (12.9250)					1		1		1		1
6B	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)			-		1		1		1		1
	120392	WASHER, 1/4" PLAIN (12.9190)					2		2		2		2
	114492	NUT, 1/4"-28 (JAM) (12.9120)					2		2		2		2
		7.4545 - HARNESS, AIR SHUT-OFF WIRING											
	5139596	@ HARNESS									1		
	5139307	HARNESS											1
	3223197	CLIP (7.4580)									4		
	3290076	CLIP (4.8040)									1		
	140573	CLIP (12.9630)									2		
	5114551	TAG, CABLE											1
		@ OBSOLETE.											
		7.4580 - LAMP, TELL TALE											
	5139974	LIGHT (WARNING)			1								
		7.4586 - SWITCH, OIL PRESSURE											
	1507359	SWITCH (5# BREAK)								2			
6A	5100722	SWITCH (10# BREAK)					1				1	1	1
	1508095	SWITCH (20# BREAK)				1							
	5100723	@ SWITCH (20# BREAK)				1							
6A	5100720	SWITCH (27# BREAK)									1		
	5177752	ELBOW, 1/8"X1/8"X1/4" PIPE (2.7890)				1						1	
	120401	ELBOW, 1/8"-90 DEG. STREET (12.9590)				1					2	1	
	444000	ADAPTOR, 1/4" PIPE (12.9460)				1							1
	5182120	NIPPLE, 1/8"X.76" (7.4074)									1		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 647	650	652	653	654	655	656	657	658	659	660
		7.4586 - SWITCH, OIL PRESSURE (CONT'D)											
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)									1		
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)											1
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)											1
	144082	TEE, 1/8" PIPE (12.9616)									1		
	5145009	PLUG, 1/8" PIPE HEX. SOC.								1			
		@ OPTIONAL TO 1508095.											
		7.4598 - SWITCH, ALARM SHUTOFF											
	5184590 *	SWITCH (24V.) (SOLENOID)									1		
	3292162	SWITCH (TOGGLE)				1				1			
	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)					2				1		1
	5100721	SWITCH (30# MAKE) (FUEL PRESSURE)										1	
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)					1						
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)										1	
	2191465	TEE, 1/8" (SPECIAL) (7.8295)					1				1		
	9409943	TEE, 1/8" PIPE (7.4586)					1						
		* THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.											
		7.4600 - BRACKET, ALARM SHUT-OFF SWITCH											
	5127699 *	BRACKET (7.4711)									1		
	180016 *	BOLT, 1/4"-20X1/2" (12.9001)									2		
	120380 *	LOCKWASHER, 1/4" (12.9200)									2		
	120375 *	NUT, 1/4"-20 HEX. (12.9120)									2		
		* THRU 6VA-41300, 8VA-49600, 12VA-11749; EFFECTIVE WITH 6VA-41301, 8VA-49601, 12VA-11750 NOT REQUIRED.											
		7.4611 - GOVERNOR, OVERSPEED TRIP											
		SEE ASSEMBLY BREAKDOWN PAGE A1.											
	5133661	GOVERNOR ASSY.	1										
	5131862	GOVERNOR ASSY.		1									
	186625	BOLT, 5/16"-18X7/8" (12.9001)		2									
	179839	BOLT, 3/8"-16X1" (12.9001)	2										
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)	4										
	103320	LOCKWASHER, 5/16" (12.9200)		2									

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 647	650	652	653	654	655	656	657	658	659	660
		7.4611 - GOVERNOR, OVERSPEED TRIP (CONT'D)											
	103321	LOCKWASHER, 3/8" (12.9200)	6										
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR											
	5124365	ADAPTOR (DRIVE)		1									
	5124364	ADAPTOR (MOUNTING)		1									
	5125184	ADAPTOR						1					
	5126622	SEAL (1.2020)						1					
	140869	SCREW, #10-24X5/16" SET (12.9076)						1					
	179839	BOLT, 3/8"-16X1" (12.9001)						2					
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)						4					
	103321	LOCKWASHER, 3/8" (12.9200)						6					
		7.4638 - GASKET, OVERSPEED TRIP GOVERNOR ADAPTOR											
	3222141	GASKET (5.3280)		1									
	5122227	GASKET (1.5060)						1					
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET											
	5101398	TUBE (DEV. L. 17.32") (VALVE ADAPTOR TO BLOCK)				1							
	5146031	TUBE (DEV. L. 16.85") (COOLER TO VALVE)					1				1		
	5177623	CLIP, 3/8" (2.5120)				1	1				1		
	193004	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1							
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1				1		
	5104778	TEE (3/8" INV. FL. TUBE, 1/4" PIPE)				1	1				1		
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET											
	5127770	TUBE (DEV. L. 20.90") (VALVE TO PUMP)				1							
	5130779	TUBE (DEV. L. 41.50") (VALVE TO PUMP)					1				1		
	5130913	BRACKET, CLIP (7.4597)					2				2		
	5160388	CLIP, 3/8" (2.5070)					2				2		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1	1				1		
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE					1				1		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 647	650	652	653	654	655	656	657	658	659	660
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET (CONT'D)											
		(12.9480)											
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)				1	1				1		
	181361	BOLT, 3/8"-24X7/8" (12.9001)					2				2		
	103321	LOCKWASHER, 3/8" (12.9200)					2				2		
	117049	NUT, 3/8"-24 HEX. (12.9120)					2				2		
		7.4707 - RELAY, TIME DELAY											
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.											
	8921717	RELAY KIT					1						1
	5182545	* RELAY ASSY. (24V.)					1						1
	132788	SCREW, #8-32X1 3/4" RD. HD. SL. (12.9025)					2						2
	446143	WASHER, #8 FLAT (12.9190)					2						2
	121841	LOCKWASHER, #8 (12.9200)					2						2
		* NOT SERVICED, USE 8921717 KIT											
		7.4709 - RESISTOR, TIME DELAY RELAY											
		A RESISTOR ASSY. INCLUDES LUGS.											
	5182791	* RESISTOR ASSY. (24V.) (12 OHM)					1						1
	5277322	LUG					2						2
	100946	SCREW, #6-32X1/2" RD. HD. SL. (12.9025)					1						1
	132796	SCREW, #8-32X2 1/4" RD. HD. SL. (12.9025)					1						1
	446121	* WASHER, #6 FLAT (12.9190)					1						1
	120391	WASHER, 7/32"X1/2" (12.9190)					1						1
	131044	LOCKWASHER, #6 (12.9200)					2						2
	121841	LOCKWASHER, #8 (12.9200)					1						1
	134530	* NUT, #6-32 HEX. (12.9120)					2						2
	120622	NUT, #8-32 HEX. (12.9120)					1						1
		* OBSOLETE											
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING											
	5182531	* PLATE					1						1
	5188436	BRACKET ASSY.					1						1
	132768	SCREW, #8-32X3/4" RD. HD. SL. (12.9025)					4						4

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 647	650	652	653	654	655	656	657	658	659	660
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING (CONT'D)											
	121841	LOCKWASHER, #8 (12.9200)					4						4
	120622	NUT, #8-32 HEX. (12.9120)					4						4
		* OBSOLETE											
		7.4713 - INSULATOR, TIME DELAY RELAY *MOUNTING*											
	5182532 *	INSULATOR					1						1
		* OBSOLETE											

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 665	666	669	670	674	676	677	678	680	682	683	686
		7.4505 - SWITCH, WATER TEMPERATURE												
	5146080	SWITCH		1					1					
	5144496	SWITCH ASSY. (196 DEG.)	1		1		1	1		1	1	1	1	1
	5163830	GASKET (5.2180)	1		1	1	1	1		1	1	1	1	1
	444148	TEE, 1/4" PIPE (12.9616)												1
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)												1
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)												1
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)												1
	103320	LOCKWASHER, 5/16" (12.9200)			2	2	2	2		2	2	2	2	2
	114493	NUT, 5/16"-24 HEX. (12.9120)	2		2	2	2	2		2	2	2	2	2
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)												1
	120361	NUT, #10-24 HEX. (12.9720)					2	2		2		2	2	2
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
	5109718	ADAPTOR ASSY.	1		1	1	1	1		1	1	1	1	1
	5113655	STUD, 5/16"-18X2.46"	2		2	2	2	2		2	2	2	2	2
	5109717	PLUNGER (7.4505)	1		1	1	1	1		1	1	1	1	1
	5109719	SPRING (7.4505)	1		1	1	1	1		1	1	1	1	1
	5145010	PLUG, 1/4" PIPE (12.9550)	1		1	1	1	1		1	1	1		1
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET	1		1	1	1	1		1	1	1	1	1
		7.4513 - BELL, ALARM SYSTEM												
	5131954	+ BELL (12V.) (8921360)								1				
		+ NOT SERVICED; USE NUMBER IN PARENTHESES.												
		7.4514 - RELAY, ALARM BELL												
	3290747	RELAY (12V.)								1				
		7.4519 - SOLENOID, AIR SHUT-OFF												
	1118191	* SOLENOID (24V.-32V.)	1	1	1	1	1		1		1	1	1	
	1118128	* SOLENOID (12V.)					2							1
	117461	BOLT, 1/4"-20X9/16" (12.9001)	4	4		4	4	4	4		4	4	4	4
	181309	BOLT, 1/4"-28X1/2" (12.9001)			4									
	120385	WASHER, 1/4" FLAT (12.9190)			4									
	120380	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4		4	4	4	4
		* PROCURE FROM UNITED DELCO.												

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6065	6066	6069	6070	6074	6076	6077	6078	6080	6082	6083	6086
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID												
	5138139	BRACKET			1									
	186285	BOLT, 3/8"-16X4" (12.9001)			4									
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL												
	5121913	LINK	1	1		1	1	1	1			1	1	1
	5138138	LINK			1									
	5142107	LINK									1			
	112526	PIN, 1/16"X3/8" COTTER (12.9250)			1									
	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)	1	1		1	1	1	1		1	1	1	1
	103361	PIN, #7X1 3/4" TAPER (12.9250)	1	1		1	1	1	1		1	1	1	1
	5124916	SPACER, 9/32"X7/16"X.30"			1									
	5115204	BOLT, 1/4"-28X1 1/4" (12.9001)			1									
	120392	WASHER, 1/4" PLAIN (12.9190)	2	2		2	2	2	2		2	2	2	2
	120380	LOCKWASHER, 1/4" (12.9200)			1									
	114492	NUT, 1/4"-28 (JAM) (12.9190)	2	2	2	2	2	2	2		2	2	2	2
		7.4545 - HARNESS, AIR SHUT-OFF WIRING												
	5139596	@ HARNESS			1	1								
	5139726	@ HARNESS										1		
	3223197	CLIP (7.4580)			4	4						4	4	
	140573	CLIP, 5/8" CLOSED (12.9630)			2	2						2	2	
	3290076	CLIP (4.8040)			1	1						1	1	
		@ NO LONGER AVAILABLE FOR SERVICE.												
		7.4586 - SWITCH, OIL PRESSURE												
6A	5100722	SWITCH (10# BREAK)	1		1	1	1	1	1	1	1	1	1	1
6A	5100720	SWITCH (27# BREAK)		1	1	1					1	1	1	
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)	1	1			1					1	1	
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)			1	1			1	2				
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)						1						1
	5182120	NIPPLE, 1/8"X.76" (7.4074)			1	1						1	1	
	187394	COUPLING, 1/8" PIPE (12.9580)									1			
	187395	COUPLING, 1/4" PIPE (12.9580)									1			
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)								1				
	5120375	ADAPTER, 1/8"-1/4" RED, PIPE (12.9575)									1			
	105404	NIPPLE, 1/8"X3/4" CLOSE (12.9560)									1			
	105405	NIPPLE, 1/8"X3/4" CLOSE (12.9560)									1			
	144082	TEE, 1/8" PIPE (12.9616)			1	1						1	1	
	2191465	TEE, 1/8" (7.8295)						1					1	1
	5177752	TEE, 1/8"X1/4" (2.7890)									2			
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)			1	1		1				2	2	1
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)									1			

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 665	666	669	670	674	676	677	678	680	682	683	686
		7.4586 - SWITCH, OIL PRESSURE (CONT'D)												
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)								1				
		* OPTIONAL TO 1507289.												
		# OPTIONAL TO 1507589.												
		7.4598 - SWITCH, ALARM SHUT-OFF												
	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)	2	1	1	1	2	1	1		1	1	1	1
	5189800	SWITCH (AUX. RELAY) (24V.)					1							
	5183261	SWITCH (AUX. RELAY) (12V.) (7.2440)						1						
	5172059	SWITCH (AUX. RELAY) (24V.-32V.)							1					
	3292162	*SWITCH (TOGGLE)*								1				
	5131091	ELBOW, 1/4"X3/8" PIPE (7.4586)	1				1					1		
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)									1			
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)	1	1			1		1			1		
	178996	TEE, 1/8" PIPE (12.9616)	1				1							
	5104778	*TEE, 1/4"X1/4"X5/8" (7.4694)*	1				1		1					
	5100136	ADAPTOR, 1/8" PIPE (12.9570)										1		
		7.4600 - BRACKET, ALARM SHUT-OFF SWITCH												
	5127699	BRACKET (7.4711)					1		1					
	180016	BOLT, 1/4"-20X1/2" (12.9001)					2		2					
	120380	LOCKWASHER, 1/4" (12.9200)					2		2					
	103321	LOCKWASHER, 3/8" (12.9200)							2					
	120375	NUT, 1/4"-20 HEX. (12.9120)					2		2					
	117049	NUT, 3/8"-24 HEX. (12.9120)							1					
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET												
	5146031	TUBE ASSY. (DEV. L. 16.85") (COOLER TO VALVE)			1	1		1						
	5101401	TUBE ASSY. (DEV. L. 45.81") (COOLER TO VALVE)	1				1					1		
	5131977	*TUBE ASSY. (DEV. L. 23.70") (7.4596)*											1	
	5128573	TUBE ASSY. (DEV. L. 43.00") (COOLER TO VALVE)								1				
	5130923	* HOSE ASSY., 3/8"X27 1/2" (9.4016)									1			
	5162839	HOSE ASSY., FLEX. 30 1/2" L. (COOLER TO VALVE) (2.5149)												1
	5151883	CLIP, 3/8" (2.5070)	1				1					1		
	5177623	CLIP, 3/8" (2.5120)			1	1		1						
	5169119	CLIP, 3/8" (2.5120)								1				
	5171509	CLIP, 5/8" (9.1591)									1			

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 665	666	669	670	674	676	677	678	680	682	683	686
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)												
	3290076	CLIP												1
	5166565	BRACKET, CLIP (9.1591)	1				1					1		
	5113214	FITTING, HOSE (1/4"-18) (12.6689)									1			
	5114049	FITTING, INV. FL. TUBE, 5/8"-18									1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1	1		1		1	1		1	
	118750	CONNECTOR, 3/8" INV. FL. TUBE (12.9380)												1
	2191465	TEE, 1/8" INV. FL. TUBE (7.8295)			1	1								
	444255	TEE, 1/4"-18 PIPE (12.9616)									1	1		
	444148	TEE, 1/4"-18 PIPE (12.9616)									1			1
	5104778	TEE, 3/8" INV. FL. TUBE	1		1	1		1				1	1	
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)			1									
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1				1					1		
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)									1			
	180120	BOLT, 3/8"-16X3/4" (12.9001)	1				1					1		
	103341	WASHER, 3/8" FLAT (12.9190)	1				1					1		
	103321	LOCKWASHER, 3/8" (12.9200)	1				1					1		
	102635	NUT, 3/8"-16 HEX. (12.9120)	1				1					1		
		* NOT SERVICED; USE 5199575 BULK HOSE AND 2-5199579 HOSE FITTINGS.												
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET												
	5127770	TUBE ASSY. (DEV. L. 20.90")											1	
	5130779	TUBE ASSY. (DEV. L. 41.50")			1	1		1						1
	5127388	TUBE ASSY. (DEV. L. 42.44")					1			1		1		
	5130773	TUBE ASSY. (DEV. L. 45.60")	1											
	5134416	* HOSE ASSY., 45 1/2" L. (VALVE TO PUMP)									1			
	143338	ELBOW, U/4" PIPE 45 DEG. (12.9480)			1	1		1						1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1			1		1		
	116524	BUSHING, 1/2"-1/4" RED. PIPE (12.9570)	1		1	1	1	1		1	1	1	1	1
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)									1			
	5114049	FITTING, INV. FL. TUBE 3/8" (2.5040)									2			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1		1	1	2	1		2		2	1	1
	5169119	CLIP, 3/8" (2.5120)	2				2			2		2		
	5160388	CLIP, 3/8" (2.5070)			2	2		2						2
	5171509	CLIP, 5/8" (9.1591)									2			
	5130913	BRACKET, CLIP (7.4597)			2	2		2						2
	181361	BOLT, 3/8"-24X7/8" (12.9001)			2	2		2						2
	103321	LOCKWASHER, 3/8" (12.9200)			2	2		2						2
	117049	NUT, 3/8"-24 HEX. (12.9120)			2	2		2						2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 665	666	669	670	674	676	677	678	680	682	683	686
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET (CONT'D)												
		* NOT SERVICED; STANDARD LENGTH HOSE 5113689 WILL BE PROVIDED.												
		7.4707 - RELAY, TIME DELAY												
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.												
	8921717	RELAY KIT	1				1		1					
	5182544	* RELAY ASSY. (12V.)						1						
	5182525	* RELAY ASSY. (12V.)												1
	132788	SCREW, #8-32X1 3/4" RD. HD. SL. (12.9025)	2				2	2	2					2
	446143	WASHER, #8 FLAT (12.9190)	2				2	2	2					2
	121841	LOCKWASHER, #8 (12.9200)	2				2	2	2					2
		* NOT SERVICED, USE 8921717 KIT												
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING												
		A BRACKET ASSY. INCLUDES MOUNTING ASSY. 1580295.												
	5182531	* PLATE	1				1	1	1					1
	5188436	BRACKET ASSY.	1				1	1	1					1
	1580295	MOUNTING ASSY. (ANTI-VIBRATION) (7.4064)	1				1	1	1					1
	5159347	SPACER, 3/4"X1/2" (7.1581)							2					
	132768	SCREW, #8-32X3/4" (12.9025)	4				4	4	4					4
	180130	BOLT, 3/8"-16X2" (12.9001)							2					
	103341	WASHER, 3/8" FLAT (12.9190)							2					
	121841	LOCKWASHER, #8 (12.9200)	4				4	4	4					4
	103321	LOCKWASHER, 3/8" (12.9200)							2					
	120622	NUT, #8-32 HEX. (12.9120)	4				4	4	4					4
		* OBSOLETE												
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING												
	5182532	* INSULATOR	1				1	1	1					1
		* OBSOLETE												

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6900	6902	6904	6905	6907	6909	7000	7002	7004	7005	7006
		7.4505 - SWITCH, WATER TEMPERATURE											
	5146080	SWITCH		1									
	5136496	* SWITCH											1
	5144496	SWITCH ASSY. (196 DEG.)	1		1		1	1	1	1	1		
	5163830	GASKET (5.2180)	1		1		1	1	1	1	1		
	444148	TEE, 1/4" PIPE (12.9616)		1						1			
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)		1						1			
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)		1						1			
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)		1						1			
	103320	LOCKWASHER, 5/16" (12.9200)	2		2		2	2	2	2	2		
	121917	NUT, 5/16"-24 HEX. (12.9120)	2		2		2	2	2	2	2		
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)		1						1			
	120361	NUT, #10-24 HEX. (12.9720)	2		2			2	2				
		* NOT SERVICED. PROCURE FROM DETROIT CONTROLS CORP. THEIR PART NUMBER IS 222-1487.											
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH											
	5109718	ADAPTOR ASSY.	1		1		1	1	1	1	1		
	5141601	ADAPTOR ASSY. (7.4505)											1
	5113655	STUD, 5/16"-18X2.46"	2		2		2	2	2	2	2		
	5109717	PLUNGER (7.4505)	1		1		1	1	1	1	1		
	5109719	SPRING (7.4505)	1		1		1	1	1	1	1		
	5121182	PLUG, 1/4" (12.9550)	1		1		1	1	1	1	1		
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR											
	5113412	GASKET	1	1	1		1	1	1				
		7.4513 - BELL, ALARM SYSTEM											
	5107197	BELL (24V.)			1						1		
		7.4514 - RELAY, ALARM BELL											
	01481	RELAY (24V.) (7.4707)			1								
	5177780	RELAY (24V.) (7.4713)									1		
		7.4519 - SOLENOID, AIR SHUT-OFF											
	1118191	* SOLENOID (24V.-32V.)	1	1			1	1		1			
	1118128	* SOLENOID (12V.)							2			1	
	117461	BOLT, 1/4"-20X9/16" (12.9001)	4	4			4	4	8	4		4	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6900	6902	6904	6905	6907	6909	7000	7002	7004	7005	7006
		7.4519 - SOLENOID, AIR SHUT-OFF (CONT'D)											
	120392	WASHER, 9/32"X5/8" (12.9190)							8				
	120380	LOCKWASHER, 1/4" (12.9200)	4	4			4	4	8	4		4	
		* PROCURE FROM UNITED DELCO.											
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL											
	5121913	LINK	1	1			1	1	2	1			
	5142107	LINK										1	
	5176810	PIN, 1/4"X1 U/4" CLEVIS (2.9410)	1	1			1	1	2	1			1
	103361	PIN, #7X1 3/4" TAPER (12.9250)	1	1			1	1	2	1			1
	120392	WASHER, 1/4" PLAIN (12.9190)	1	2			1	1	4	2		2	
	114492	NUT, 1/4"-28 (JAM) (12.9190)	2	2			2	2	4	2		2	
		7.4545 - HARNESS, AIR SHUT-OFF WIRING											
	5139596	@ HARNESS								1			
	5139726	@ HARNESS					1	1					
	5139780	HARNESS							1				
	5114551	TAG, CABLE							2				
	3223197	CLIP (7.4580)					4	4	5	4			
	140573	CLIP, 5/8" CLOSED (12.9630)					2	2		2			
	3290076	CLIP (4.8040)					1	1		1			
	179835	BOLT, 3/8"-16X5/8" (12.9001)							5				
	103321	LOCKWASHER, 3/8" (12.9200)							5				
		@ NO LONGER AVAILABLE FOR SERVICE.											
		7.4586 - SWITCH, OIL PRESSURE											
6A	5100722	SWITCH (10# BREAK)	1	1			1	1		1	1		
6A	5100720	SWITCH (27# BREAK)			1		1	1	1	1			
	5114044	SWITCH											1
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)	1				1	1					
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)							1				
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)			1								
	5182120	NIPPLE, 1/8"X.76" (7.4074)					1	1		1			
	5145009	PLUG, 1/4" PIPE HEX. SOC.									1		
	144082	TEE, 1/8" PIPE (12.9616)					1	1		1			
	9409943	TEE, 1/8" PIPE (7.4586)		1									
	2191465	TEE, 1/8" (7.8295)		1									
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)					2	2		1			
	444052	ELBOW, 1/8" STREET 45 DEG.									1		
	5177752	ELBOW, 1/8"X1/8" RESTRICTION (2.7890)									1		
	120217	LOCKWASHER, #10 (12.9200)	2	2			4	4		4	4		
	120614	NUT, #10-32 HEX. (12.9120)	2	2			4	4		4	4		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6900	6902	6904	6905	6907	6909	7000	7002	7004	7005	7006
		7.4598 - SWITCH, ALARM SHUT-OFF											
	1507290	SWITCH (20# MAKE) (FUEL PRESSURE)	2	2			1	1		1			
	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)	2	2			1	1		1			
	3292162	SWITCH (TOGGLE)			1						1		
	5653933	SWITCH (6# BREAK) (FUEL PRESSURE)				1							
	5100676	# SWITCH (6# BREAK) (FUEL PRESSURE)				1							
	5100721	SWITCH (30# MAEK) (FUEL PRESSURE)							1				
	5131091	ELBOW, 1/4"X3/8" PIPE (7.4586)	1				1	1					
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)							1				
	112877	BUSHING, 1/4"X1/8" RED. PIPE BRASS (12.9570)	1	1			1	1					
	178996	TEE, 1/8" PIPE (12.9616)	1										
	5100136	ADAPTOR, 1/8" PIPE (12.9570)					1						
	120217	LOCKWASHER, #10 (12.9200)	4	4			2	2		2			
	120614	NUT, #10-32 HEX. (12.9120)	4	4			2	2		2			
		# OPTIONAL TO 5653933.											
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET											
	5146031	TUBE ASSY. (DEV. L. 16.85") (COOLER TO VALVE)			1								
	5101401	TUBE ASSY. (DEV. L. 45.81") (COOLER TO VALVE)	1				1						
	5130778	TUBE ASSY. (DEV. L. 41.92") (COOLER TO ADAPTOR)								1			
	5130164	TUBE ASSY. (DEV. L. 53.75") (COOLER TO ADAPTOR)						1					
	5130923	* HOSE ASSY., 3/8"X27 1/2" (9.4016)							1				
	5129441	@ HOSE, 36" L.									1		
	5151883	CLIP, 3/8" (2.5070)	1				1	2					
	5177623	CLIP, 3/8" (2.5120)			1					1			
	5171509	CLIP, 5/8" (9.1591)							1		1		
	5166565	BRACKET, CLIP (9.1591)	1				1						
	5114541	BRACKET, CLIP (7.1585)						2					
	5113214	FITTING, HOSE (1/4"-18) (12.6689)							1				
	5114049	FITTING, INV. FL. TUBE, 5/8"-18							1		1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1			1	1	1	1		
	2191465	TEE, 1/8" INV. FL. TUBE (7.8295)								1			
	444148	TEE, 1/4"-18 PIPE (12.9616)							1				
	5104778	TEE, 3/8" NV. FL. TUBE	1		1		1	1		1	1		
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1				1						
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)							1				
	179816	BOLT, 5/16"-18X3/4" (12.9001)						2					
	179833	BOLT, 3/8"-1LX1/2" (12.9001)						1					

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6900	6902	6904	6905	6907	6909	7000	7002	7004	7005	7006
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)											
	180120	BOLT, 3/8"-16X3/4" (12.9001)	1				1				1		
	120393	WASHER, 11/32"X11/16" (12.9190)						2					
	103341	WASHER, 3/8" FLAT (12.9190)	1				1						
	103320	LOCKWASHER, 5/16" (12.9200)						2					
	103321	LOCKWASHER, 3/8" (12.9200)	1				1	1			1		
	120376	NUT, 5/16'-18 HEX. (12.9120)						2					
	102635	NUT, 3/8"-16 HEX. (12.9120)	1				1						
		* NOT SERVICED; USE 5199575 BULK HOSE AND 2-5199579 HOSE FITTINGS.											
		@ NOT SERVICED; USE 5199575 BULK HOSE AND (1) 5199579 AND (1) 5199593 HOSE FITTINGS.											
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET											
	5130776	TUBE ASSY. (DEV. L. 37.38") (ADAPTOR TO PUMP)								1			
	5130779	TUBE ASSY. (DEV. L. 41.50")			1								
	5127388	TUBE ASSY. (DEV. L. 42.44")	1				1						
	5130166	TUBE ASSY. (DEV. L. 45.70") (PUMP TO ADAPTOR)						1			1		
	5134416	* HOSE ASSY., 45 1/2" L. (VALVE TO PUMP)							1				
	143338	ELBOW, 1/4" PIPE (45 DEG. (12.9480)			1								
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1				1	2	1	1	2		
	116524	BUSHING, 1/2"-1/4" RED. PIPE (12.9570)	1		1		1	1	1	1	1		
	5114049	FITTING, INV. FL. TUBE 3/8" (2.5040)							2				
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2		1		2	2		1			
	5115214	PLUG, 1/2" PIPE (12.9550)									1		
	5169119	CLIP, 3/8" (2.5120)	2				2	2			2		
	5160388	CLIP, 3/8" (2.5070)			2					2			
	5171509	CLIP, 5/8" (9.1591)							2				
	5130913	BRACKET, CLIP (7.4597)			2					2			
	181361	BOLT, 3/8"-24X7/8" (12.9001)			2					2			
	103321	LOCKWASHER, 3/8" (12.9200)			2					2			
	117049	NUT, 3/8"-24 HEX. (12.9120)			2					2			
		* NOT SERVICED; STANDARD LENGTH HOSE 5113689 WILL BE PROVIDED.											
		7.4707 - RELAY, TIME DELAY											
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.											
	8921717	RELAY KIT	1	1					1				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 690	692	694	695	697	699	700	702	704	705	706
		7.4707 - RELAY, TIME DELAY (CONT'D)											
	132788	SCREW, #8-32X1 3/4" RD. HD. SL. (12.9025)	2	2					2				
	446143	WASHER, #8 FLAT (12.9190)	2	2					2				
	121841	LOCKWASHER, #8 (12.9200)	2	2					2				
		* NOT SERVICED, USE 8921717 KIT											
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING											
		A BRACKET ASSY. INCLUDES MOUNTING ASSY. 1580295.											
	5182531	* PLATE	1	1					1				
	5188436	BRACKET ASSY.	1	1					1				
	1580295	MOUNTING ASSY. (ANTI-VIBRATION) (7.4064)	1										
	132768	SCREW, #8-32X3/4" (12.9025)	4	4					4				
	121841	LOCKWASHER, #8 (12.9200)	4	4					4				
	120622	NUT, #8-32 HEX. (12.9120)	4	4					4				
		* OBSOLETE											
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING											
	5182532	* INSULATOR	1	1					1				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 708	710	715	716	718	721	722	724	727	736	740	746
		7.4505 - SWITCH, WATER TEMPERATURE												
	5144496	SWITCH ASSY., 196 DEG.	1	1	1	1	1	1	1	1			1	
	5146080	SWITCH												1
	5163830	GASKET (7.4586)	1	1	1	1	1	1	1	1			1	
	112877	BUSHING, 1/4"X1/8"					1	1	1	1				
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)					1	1	1	1				
	444148	TEE, 1/4" PIPE (12.9616)					1	1	1	1				
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)					1	1	1	1				
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2			2	
	120361	NUT, #10-24 HEX. (12.9120)		2		2	2		2				2	
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	2	2	2	2	2	2	2			2	
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)					1	1	1	1				
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
	5109718	ADAPTOR ASSY.	1	1	1	1	1	1	1	1			1	
	5113655	STUD, 5/16"-18X2.46" (3.3003)	2	2	2	2	2	2	2	2			2	
	5109717	PLUNGER (7.4505)	1	1	1	1	1	1	1	1			1	
	5109719	SPRING (7.4505)	1	1	1	1	1	1	1	1			1	
	5145010	PLUG, 1/4" PIPE (12.9550)	1	1	1	1	1	1	1	1			1	
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET (6.1110)	1	1	1	1	1	1	1	1			1	
		7.4519 - SOLENOID, AIR SHUT-OFF												
	1118191 *	SOLENOID (24V.-32V.)	1	1	1			1	1	1	1		1	
	1118128 *	SOLENOID (12V.)				2	1							
	117461	BOLT, 1/4"-20X9/16" (12.9001)	4		4	8	4	4	4	4				
	443603	BOLT, 1/4"-20X3/4" (12.9001)										4	4	
	120392	WASHER, 1/4" PLAIN (12.9190)	4			8								
	120380	LOCKWASHER, 1/4" (12.9200)	4		4	8	4	4	4	4		4	4	
	120375	NUT, 1/4"-20 HEX. (12.9120)										4	4	
		* PROCURE FROM UNITED DELCO.												
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID												
	5142639	BRACKET									1		1	
	179819	BOLT, 5/16"-1,X1 1/8" (12.9001)									4		4	
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL												
	5121913	LINK	1		1	2	1	1	1	1				
	5142128	LINK									1		1	
	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)	1	1	1	2	1	1	1	1	1		1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7080	7110	7115	7116	7118	7121	7222	7224	7227	7336	7440	7446
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL (CONT'D)												
	103361	PIN, 1/16"X1/2" COTTER (12.9250)	1	1	1	2	1	1	1	1	1		1	
	120392	WASHER, 1/4" PLAIN (12.9190)	2	2	1	4	2	2	2	2	2		2	
	114492	NUT, 1/4"-28 (JAM) (12.9120)	2	2	2	4	2	2	2	2	2		2	
		7.4545 - HARNESS, AIR SHUT-OFF WIRING												
	5139896	@ HARNESS				1								
	5139596	@ HARNESS						1						
	3223197	CLIP (7.4580)				1		4	3	4				
	140573	CLIP, 5/8" CLOSED (12.9630)						2	2	2				
	3290076	CLIP (4.8040)						1	1	1				
	5114551	TAG, CABLE				1								
		@ OBSOLETE												
		7.4586 - SWITCH, OIL PRESSURE												
	5100723	SWITCH (20# BREAK)	1		1									
6A	5100720	SWITCH (27# BREAK)		1		1		1	1	1			1	
6A	5100722	SWITCH (10# BREAK)				1	1	1		1				1
	5100675	SWITCH (5# BREAK)							1					
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)						1	1	1			1	
	141539	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)			1									
	179735	BUSHING, 3/4"X1/8" RED. PIPE (12.9570)					1							
	5120375	ADAPTOR, 1/4"X1/8" RED. PIPE (12.9575)							1					
	5182120	NIPPLE, 1/8"X.76" (7.4074)						1	1	1				
	2191465	TEE, 1/8" (7.8295)					1							
	144082	TEE, 1/8" PIPE (12.9616)						1	1	1				
	120401	ELBOW, 1/8"-90 DEG. STREET (12.9590)					1	1	2	1				
	444052	ELBOW, 1/8"-45 DEG. STREET (12.9590)											2	
		7.4598 - SWITCH, ALARM SHUT-OFF												
	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)	2		2	1	1	1	1	1				
	5100721	SWITCH (30# MAKE) (FUEL PRESSURE)		1									1	1
	141539	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)	1		1									
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)		1		1							1	
	5131091	ELBOW, 3/8" INV. FL. TUBE (7.4586)			1									
	178996	TEE, 1/8" PIPE (12.9616)			1									

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 708	710	715	716	718	721	722	724	727	736	740	746
		7.4611 - GOVERNOR, OVERSPEED TRIP												
		SEE ASSEMBLY BREAKDOWN PAGE A5.												
6C	**5143725**	GOVERNOR ASSY.										1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)										2		
	103320	LOCKWASHER, 5/16" (12.9200)										2		
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR												
	5124365	ADAPTOR (DRIVE)										1		
	5124364	ADAPTOR (MOUNTING)										1		
		7.4638 - GASKET, OVERSPEED TRIP GOVERNOR												
	3222141	GASKET										1		
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET												
	5101401	TUBE ASSY. (DEV. L. 45.81") (COOLER TO ADAPTOR)									1		1	
	5128760	TUBE ASSY. (DEV. L. 20.54") (COOLER TO ADAPTOR)							1					
	5128620	TUBE ASSY. (DEV. L. 44.54") (COOLER TO ADAPTOR)					1	1		1				
	5130164	TUBE ASSY. (DEV. L. 53.75") (COOLER TO ADAPTOR)			1									
	5199575	HOSE (40 3/4" L.) (12.8550)	1											
	5113689	HOSE (48" L.) (2.5050)		1		1							1	
	5177623	CLIP (3/8" TUBE X 3/8" BOLT) (2.5120)	1				1	1	1	1				
	2488022	CLIP, 3/8" (12.8554)	3											
	5151883	CLIP (3/8" TUBE X 7/16" BOLT) (2.5070)			2									
	5100364	CLIP (5/8" TUBE X 3/8" BOLT) (2.5070)		2		2							2	
	2191465	TEE, 1/8" INV. FL. TUBE (7.8295)	1					1		1				
	444148	*TEE, 1/4"-18 PIPE (12.9616)*		1		1							1	
	5104778	TEE, 3/8"-INV. FL. TUBE	1		1		1	1		1				
	5114541	BRACKET (7.1585)			2									
	193004	ELBOW, 3/8" INV. FL. TUBE 60 DEG. (12.9480)									1		1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1		1		1	1	1	1				
	5113214	FITTING, 1/4"-18 (12.6689)		1		1							1	
	5114049	FITTING, 5/8"-18 INV. FL. TUBE (2.5010)		1		1							1	
	5199579	FITTING, 5/8" INV. FL. STGHT. (12.8552)	2											

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 708	710	715	716	718	721	722	724	727	736	740	746
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)												
	179816	BOLT, 5/16"-1,X3/4" (12.9001)			2									
	179833	BOLT, 3/8"-16X1/2" (12.9001)			1									
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1											
	179839	BOLT, 3/8 -16X1" (12.9001)		1		1							1	
	120393	WASHER, 11/32"X11/16" (12.9190)			2									
	103320	LOCKWASHER, 5/16" (12.9200)			2									
	103321	LOCKWASHER, 3/8" (12.9200)		1	1	1							1	
	120376	NUT, 5/16"-18 HEX. (12.9120)			2									
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET												
	5127770	TUBE ASSY. (DEV. L. 20.90") (ADAPTOR TO PUMP)							1					
	5130776	TUBE ASSY. (DEV. L. 37.38") (ADAPTOR TO PUMP)	1											
	5130779	TUBE ASSY. (DEV. L. 41.50") (ADAPTOR TO PUMP)					1	1		1				
	5130166	TUBE ASSY. (DEV. L. 45.70") (PUMP TO ADAPTOR)			1									
	5113689	HOSE (75" L.)		1		1								1
	2191465	TEE, 1/8" INV. FL. TUBE (7.8295)							1					
	444255	TEE, 1/4"-18 PIPE (12.9616)				1								
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)				2								
	116524	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1			1	
	5113214	FITTING, 1/4"-18 (12.6689)		1		1							1	
	5114049	FITTING, 3/8" INV. FL. TUBE SWIVEL (2.5010)		1		1							1	
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)				1								
	143338	ELBOW, 1/4" PIPE 45 DEG. (12.9480)					1	1		1				
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)		1		1							1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	2	1							1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1		1		1	1	1	1				
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)				1								
	5169119	CLIP, 3/8" (2.5120)			2									
	5160388	CLIP, 3/8" SPECIAL (2.5070)	2				2	2		2				
	5100364	CLIP, 5/8" (2.5070)		4		4								
	5130913	BRACKET, CLIP	2				2	2		2				
	181361	BOLT, 3/8"-24X7/8" (12.9001)	2				2	2		2				
	103321	LOCKWASHER, 3/8" (12.9200)	2				2	2		2				
	114493	NUT, 5/16"-24 (JAM) (12.9120)		4		4							4	
	117049	NUT, 3/8"-24 HEX. (12.9120)	2				2	2		2				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 708	710	715	716	718	721	722	724	727	736	740	746
		7.4707 - *RELAY, TIME DELAY*												
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.												
	8921717	RELAY KIT	1	1	1				1				1	
	5182544	* RELAY ASSY. (12V.)					1							
	132788	SCREW, #8-32X1 3/4" RED. HD. SL. (12.9025)	2	2	2		2		2				2	
	446143	WASHER, #8 FLAT (12.9190)	2	2	2		2		2				2	
	121841	LOCKWASHER, #8 (12.9200)	2	2	2		2		2				2	
		* NOT SERVICED, USE 8921717 KIT												
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING												
		A BRACKET ASSY. INCLUDES MOUNTING ASSY. 1580295.												
	5182531	* PLATE	1	1	1		1		1				1	
	5188436	BRACKET ASSY.	1	1	1		1		1				1	
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING												
	1580295	MOUNTING ASSY. (ANTI-VIBRATION) (7.4064)	1	1	1		1		1					
	132768	SCREW, #8-32X3/4" (12.9025)	4	4	4		4		4				4	
	121841	LOCKWASHER, #8 (12.9200)	4	4	4		4		4				4	
	120622	NUT, #8-32 HEX. (12.9120)	4	4	4		4		4				4	
		* OBSOLETE												
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING												
	5182532	* INSULATOR	1	1	1		1		1				1	
		* OBSOLETE												

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 747	750	751	752	754	755	768	769	778	783	785
		7.4505 - SWITCH, WATER TEMPERATURE											
	5144496	SWITCH ASSY., 196 DEG.			1		1	1	1		1		
	5146080	SWITCH		1									
	5120976	VALVE ASSY. (200 DEG.)	1										
	5163830	GASKET (7.4586)	1		1		1	1	1		1		
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)	1										
	444040	ELBOW, 1/4" STREET (12.9590)	1										
	442323	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	1										
	5126307	CONNECTOR	1										
	9413261	TEE, 5/16" INV. FL. TUBE X 1/4" PIPE (12.9490)	1										
	103320	LOCKWASHER, 5/16" (12.9200)	2		2		2	2	2		2		
	120361	NUT, #10-24 HEX. (12.9120)			2			2			2		
	114493	NUT, 5/16"-24 HEX. (12.9120)	2		2		2	2	2		2		
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH											
	5109718	ADAPTOR ASSY.	1		1		1	1	1		1		
	5113655	STUD, 5/16"-18X2.46" (3.3003)	2		2		2	2	2		2		
	5109717	PLUNGER (7.4505)	1		1		1	1	1		1		
	5109719	SPRING (7.4505)	1		1		1	1	1		1		
	5121182	PLUG, 1/4" PIPE (12.9550)	1		1		1	1	1		1		
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR											
	5113412	GASKET (6.1110)	1		1		1	1	1		1		
		7.4519 - SOLENOID, AIR SHUT-OFF											
	1118191 *	SOLENOID (24V.-32V.)					1	1	1		1		
	1119752	SOLENOID (24V.)								1			
	117461	BOLT, 1/4"-20X9/16" (12.9001)							4	4	4		
	443603	BOLT, 1/4"-20X3/4" (12.9001)					4	4					
	120380	LOCKWASHER, 1/4" (12.9200)					4	4	4	4	4		
	120375	NUT, 1/4"-20 HEX. (12.9120)					4	4					
		* PROCURE FROM UNITED DELCO.											
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID											
	5142639	BRACKET					1	1					
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)					4	4					
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL											
	5121913	LINK							1	1	1		
	5142128	LINK					1	1					
	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)					1	1	1	1	1		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 747	750	751	752	754	755	768	769	778	783	785
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL (CONT'D)											
	103361	PIN, 1/16"X1/2" COTTER (12.9250)					1	1	1	1	1		
	120392	WASHER, 1/4" PLAIN (12.9190)					2	2	2	2	1		
	114492	NUT, 1/4"-28 (JAM) (12.9120)					2	2	2	2	2		
		7.4545 - HARNESS, AIR SHUT-OFF WIRING											
	5137779	HARNESS		1									
	3223197	CLIP (7.4580)		3									
	5114551	TAG, CABLE		1									
		7.4586 - SWITCH, OIL PRESSURE											
6A	**5100720**	SWITCH (27# BREAK)					1	1					
6A	**5100722**	SWITCH (10# BREAK)		1	1				1				
	1507835	SWITCH (20# BREAK)				1							
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)					1	1					
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)				1							
	141539	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)		1									
	179735	BUSHING, 3/4"X1/8" RED. PIPE (12.9570)		1									
	444255	TEE, 1/4"-18 PIPE		1									
	444052	ELBOW, 1/8"-45 DEG. STREET (12.9590)					1	1					
		7.4598 - SWITCH, ALARM SHUT-OFF											
	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)		1	1				1				
	5100721	SWITCH (30# MAKE) (FUEL PRESSURE)					2	1					
	141539	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)			1				1				
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)					1	1					
	9409943	TEE (1/8" PIPE, 3 WAY) (7.4586)					1						
	444258	TEE, 3/8"-18 PIPE (12.9490)					1	1					
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET											
	5143903	TUBE (BLOCK TO ADAPTOR)	1										
	5143410	TUBE ASSY. (DEV. L. 20.44") (COOLER TO ADAPTOR)							1				
	5130778	TUBE ASSY. (DEV. L. 41.92") (COOLER TO ADAPTOR)			1								
	5113689	* HOSE (27 1/2" L.) (9.4016)					1	1					

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 747	750	751	752	754	755	768	769	778	783	785
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)											
	5177623	CLIP (3/8" TUBE X 3/8" BOLT) (2.5120)			1								
	5171509	CLIP (5/8" TUBE X 3/8" BOLT) (2.6040)					1	1					
	9409943	TEE, 1/8" PIPE (7.4586)			1								
	2191465	TEE, 1/8" INV. FL. TUBE (7.8295)			1								
	444148	TEE, 1/4"-18 PIPE (12.9616)			1		1	1	1				
	5104778	TEE, 3/8" -INV. FL. TUBE	1		1	1			1		1		
	5177331	BRACKET, CLIP (4.8042)			1								
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)			1				1				
	189060	BUSHING, 3/4" X 1/4"					1						
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1										
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)					1	1					
	103647	DRAINCOCK, 1/4" (12.9510)			1								
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)			1				1				
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1		2	1			1		
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)			1				1				
	5113214	FITTING, 1/4"-18 (12.6689)					1	1					
	5114049	FITTING, INV. FL. TUBE, 5/8"-18 (2.5010)					1	1					
	179812	BOLT, 5/16"-18X1/2" (12.9001)			1								
	103320	LOCKWASHER, 5/16" (12.9200)			1								
	103321	LOCKWASHER, 3/8" (12.9200)									1		
	120376	NUT, 5/16"-18 (12.9120)			1								
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)			1				1				
		* NOT SERVICED, USE 5199575 (9.2" L.) BULK HOSE AND (1) 5199579 & (1) 5199588.											
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET											
	5133488	TUBE (DEV. L. 38.58") (VALVE TO PUMP)	1										
	5143520	TUBE ASSY. (DEV. L. 10.85") (ADAPTOR TO PUMP)							1				
	5130776	TUBE ASSY. (DEV. L. 37.38") (ADAPTOR TO PUMP)			1								
	5113689	* HOSE (36" L.) (2.5050)					1	1					
	116524	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)	1		1		1	1	1				
	5114049	FITTING, 3/8" INV. FL. TUBE SWIVEL (2.5010)					2	2					
	143338	ELBOW, 1/4" PIPE 45 DEG. (12.9480)	1										
	444040	ELBOW, 1/4" STREET 90 DEG. (12.9590)		1									
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1		2	2					
	442323	CONNECTOR, 3/8" INV. FL. TUBE	1		1				1				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 747	750	751	752	754	755	768	769	778	783	785
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET (CONT'D)											
		(12.9460)											
	5160388	CLIP, 3/8" SPECIAL (2.5070)			2								
	5158973	CLIP, 3/8" SPL. (4.8040)	2										
	5112241	CLIP (2.5070)	6										
	5171509	CLIP, 5/8" TUBE (9.1591)					2	2					
	5130913	BRACKET, CLIP			2								
	5159393	BRACKET, CLIP (4.1575)	2										
	123450	BOLT, 1/4"-28X3/4" (12.9001)	2										
	181361	BOLT, 3/8"-24X7/8" (12.9001)			2								
	110502	BOLT, #10-24X3/4" (12.9001)	3										
	120392	WASHER, 1/4" PLAIN (12.9190)	2										
	120380	LOCKWASHER, 1/4" (12.9200)	2										
	103321	LOCKWASHER, 3/8" (12.9200)			2								
	120217	LOCKWASHER, #10 (12.9200)	3										
	121902	NUT, 1/4"-28 HEX. (12.9120)	2										
	117049	NUT, 3/8"-24 HEX. (12.9120)			2								
	110633	NUT, #10-24 HEX. (12.9120)	3										
		7.4707 - RELAY, TIME DELAY											
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.											
	8921717	RELAY KIT		1	1		1	1	1				
	01481	RELAY ASSY. (24V.)				1							
	132788	SCREW, #8-32X1 3/4" RED. HD. SL. (12.9025)		2	2		2	2	2				
	446143	WASHER, #8 FLAT (12.9190)		2	2		2	2	2				
	121841	LOCKWASHER, #8 (12.9200)		2	2		2	2	2				
		* NOT SERVICED, USE 8921717 KIT											
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING											
		A BRACKET ASSY. INCLUDES MOUNTING ASSY. 1580295.											
	5182531	PLATE		1	1		1	1	1				
	5188436	BRACKET ASSY.		1	1		1	1	1				
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING											
	1580295	MOUNTING ASSY. (ANTI-VIBRATION) (7.4064)					1	1					
	132768	SCREW, #8-32X3/4" (12.9025)		4	4		4	4	4				
	121841	LOCKWASHER, #8 (12.9200)		4	4		4	4	4				
	120622	NUT, #8-32 HEX. (12.9120)		4	4		4	4	4				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 747	750	751	752	754	755	768	769	778	783	785
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING											
	5182532 *	INSULATOR		1	1		1	1	1				
		* OBSOLETE											

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 786	797	798	838	844	845	846	862	870	872	877	880
		7.4505 - SWITCH, WATER TEMPERATURE												
		▪ FOR TYPE 875 USE TYPE 917.▪												
	5136496	* SWITCH	1											
	5144496	SWITCH		1		1	1		1		1		1	1
	5146080	SWITCH								1				
	179735	BUSHING, 3/4"X1/8" RED. (12.9570)								1				
	5121098	COVER (6.1100)						1			1			1
	5163830	GASKET (7.4586)		1		1	1	1	1		1		1	1
	103320	LOCKWASHER, 5/16" (12.9200)		2		2	2	2	2		2		2	2
	121917	NUT, 5/16"-24 HEX. (12.9120)		2		2	2	2	2		2		2	2
		* NOT SERVICED, PROCURE FROM DETROIT CONTROLS CORP., THEIR PART NUMBER IS 222-1487.												
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
	5141601	ADAPTOR ASSY. (7.4505)	1											
	5109718	ADAPTOR ASSY.		1		1	1	1	1		1		1	1
	5113655	STUD, 5/16"-28X2.46" (3.3003)		2		2	2	2	2		2		2	2
	5109717	PLUNGER		1		1	1	1	1		1		1	1
	5109719	SPRING		1		1	1	1	1		1		1	1
	5145010	PLUG, 1/4" PIPE (12.9550)		1		1	1	1	1		1		1	1
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET		1		1	1	1	1		1		1	1
		7.4519 - SOLENOID, AIR SHUT-OFF												
	1118128	* SOLENOID (12V.)					1			1			1	
	1118191	* SOLENOID (24V.-32V.)		1	1	1		1	1		1	1		1
	117461	BOLT, 1/4"-20X9/16" (12.9001)		4		4	4	4	4	4		4	4	4
	443603	BOLT, 1/4"-20X3/4" (12.9001)			4						4		4	
	120392	WASHER, 1/4" PLAIN (2.9190)					4				4	4	4	
	120380	LOCKWASHER, 1/4" (12.9200)		4	4	4	4	4	4	4	4	4		4
	123179	NUT, 1/4"-20 HEX. (12.9120)			4						4			
		* PROCURE FROM UNITED DELCO.												
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID												
	5143017	BRACKET			1						1			
	273084	SCREW & WASHER, ASSY., 1/4"-20X3/4" (12.9010)			4						4			

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7888	7907	7908	8338	8444	8445	8446	8462	8700	8722	8777	8800
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL												
	5121913	LINK		1		1	1	1	1					1
	5142128	LINK			1						1			
	5142107	LINK										1	1	
	103361	PIN, 1/16"X1/2" COTTER (12.9250)		1	1	1	1	1	1		1	1	1	1
	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)		1	1	1	1	1	1		1	1	1	1
	120392	WASHER, 1/4" PLAIN (12.9190)		2	2	2	2	2	2		2	2	2	2
	114492	NUT, 1/4"-28 JAM (12.9120)		2		2	2	2	2		2	2	2	2
		7.4586 - SWITCH, OIL PRESSURE												
	5114044	SWITCH (25# MAKE)	1											
	5100723	SWITCH (20# BREAK)		1		1					1			
	5100722	SWITCH (10# BREAK) (FUEL PRESSURE)					1	1	1	1			1	1
	444052	ELBOW, 1/8"-45 DEG. STREET (12.9590)		1										
	141539	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)				1	1	1	1					1
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)								1	1			
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)								1				
	444148	TEE, 1/4"-28 PIPE (12.9616)					1	1	1					1
	5129184	TEE, 1/4" PIPE (2.5149)								1				
	444000	ADAPTOR, 1/4"-18 PIPE (12.9560)					1	1	1					1
	5121182	PLUG, 1/4" PIPE (12.9550)					1	1	1	1				1
		7.4598 - SWITCH, ALARM SHUT-OFF												
	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)		2		2	1	2	2	1			2	1
	5100721	SWITCH (30# MAKE) (FUEL PRESSURE)									1			
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)		1		1	1			1				
	5131091	ELBOW, 3/8" INV. FL. TUBE (7.4586)				1								
	178996	TEE, 1/8" PIPE (12.9616)				1								
	444148	TEE, 1/4"-18 PIPE (12.9616)								1				
	120217	LOCKWASHER, #10 (12.9200)		4			2	4	2	2			4	2
	120614	NUT, #10-32 HEX. (12.9120)		4		2	2	4	2	2			4	2
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET												
	5146031	TUBE ASSY. (DEV. L. 16.85") (COOLER TO ADAPTOR)		1										
	5101398	TUBE ASSY. (DEV. L. 17.56") (7.4509)					1							
	5147358	TUBE ASSY. (DEV. L. 18.18") (COOLER TO ADAPTOR) (7.4511)											1	
	5101401	TUBE ASSY. (DEV. L. 45.81")				1								1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 786	797	798	838	844	845	846	862	870	872	877	880
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)												
		(COOLER TO ADAPTOR)												
	5101399	TUBE ASSY. (DEV. L. 27.97")(7.4511)						1						
	5101400	TUBE ASSY. (DEV. L. 22.47") (7.4511)							1					
	5113689	HOSE, #6X75" L. (27 1/2" L.) (7.4699)									1			
	5199575	HOSE, BULK #6X12" L. (VLV. TO BLOCK)									1			
	5177623	CLIP, 3/8" TUBE X 3/8" BOLT (2.5120)		1										
	5133108	CLIP, 3/8" (2.5120)						1						
	5131190	CLIP, 3/8" (2.5120)												2
	5171509	CLIP, 5/8" (9.1591)									1			
	9409943	TEE, 1/8" PIPE (7.4586)		1										
	2191465	TEE, 1/8" INV. FL. TUBE (7.8295)		1				1					1	
	444148	TEE, 1/4"-18 PIPE (12.9616)		1							1		1	
	5104778	TEE, 5/8" INV. FL. TUBE		1		1	1							
	5177331	BRACKET, CLIP (4.8042)		1										
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)		1									1	
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)										1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1			1	1	1		4			
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)											1	
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)									1			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1	1						1	1
	5113214	FITTING, 3/8" HOSE, 1/4"-18 (12.6689)									1			
	5114049	FITTING, 3/8" INV. FL. TUBE (12.9534)									1			
	5199579	FITTING, 5/8"-18 INV. FL. TUBE (12.8552)									1			
	5159588	FITTING, 5/8"-18 INV. FL. 90 DEG. (12.8552)									1			
	103647	DRAINCOCK, 1/4" (12.9510)											1	
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9415)											1	
	179812	BOLT, 5/16"-18X1/2" (12.9001)		1										
	103320	LOCKWASHER, 5/16" (12.9200)		AR										
	120376	NUT, 5/16"-18 HEX. (12.9120)		1										
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)											1	
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET												
	5147623	TUBE ASSY. (DEV. L. 13.02") (ADAPTOR TO PUMP)											1	
	5127770	TUBE ASSY. (DEV. L. 20.90") (ADAPTOR TO PUMP) (7.4694)					1							
	5146234	TUBE ASSY. (DEV. L. 25.94") (7.4512)						1						
	5146235	TUBE ASSY. (DEV. L. 28.40")							1					

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7866	7907	7908	8388	8444	8445	8466	8662	8700	8722	8777	8800
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET (CONT'D)												
		(7.4512)												
	5130779	TUBE ASSY. (DEV. L. 41.50") (ADAPTOR TO PUMP)		1										
	5127388	TUBE (DEV. L. 42.44") (VALVE TO PUMP)				1								1
	5113689	HOSE, #6X75" L. (36" L.)									1			
	116524	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)		1		1	1	1	1		1		1	1
	119932	BUSHING, 3/8"-18 RED. (12.9570)									1			
	143338	ELBOW, 1/4" PIPE 45 DEG. (12.9480)		1					1					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1							1	2
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1		1	2		1				1	1
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)				1								
	5160388	CLIP, 3/8" SPECIAL (2.5070)		2					1					
	5169119	CLIP, 3/8" (2.5120)				2								2
	5131190	CLIP, 3/8" (2.5120)						1						
	5171509	CLIP, 5/8" (9.1591)									1			
	5130913	BRACKET, CLIP (7.4597)		2										
	5139622	BRACKET, CLIP						1						
	5166565	BRACKET, CLIP							1					
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)									1			
	5114049	FITTING, 3/8" INV. FL. TUBE (2.5010)									2			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						6						
	181360	BOLT, 3/8"-24X3/4" (12.9001)							1					
	181361	BOLT, 3/8"-24X7/8" (12.9001)		2				2						
	103341	WASHER, 3/8" (12.9190)						AR						
	103321	LOCKWASHER, 3/8" (12.9200)		AR				AR	AR					
	117049	NUT, 3/8"-24 HEX. (12.9120)		2				1	1					
		7.4707 - RELAY, TIME DELAY												
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.												
	8921717	RELAY KIT								1			1	
	5182545	* RELAY ASSY. (24V.)		1		1								
	132788	SCREW, #8-32X1 3/4" RED. HD. SL. (12.9025)		2		2				2			2	
	446143	WASHER, #8 FLAT (12.9190)		2		2				2			2	
	121841	LOCKWASHER, #8 (12.9200)		2		2				2			2	
		* NOT SERVICED, USE 8921717 KIT												
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING												
		A BRACKET ASSY. INCLUDES MOUNTING ASSY. 1580295.												
	5182531	* PLATE		1		1				1			1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 786	797	798	838	844	845	846	862	870	872	877	880
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING (CONT'D)												
	5188436	BRACKET ASSY.		1		1				1			1	
	132768	SCREW, #8-32X3/4" (12.9025)		4		4				4			4	
	121841	LOCKWASHER, #8 (12.9200)		4		4				4			4	
	120622	NUT, #8-32 HEX. (12.9120)		4		4				4			4	
		* OBSOLETE												
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING												
	5182532 *	INSULATOR		1		1				1			1	
		* OBSOLETE												

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8881	8882	8883	8884	8885	8886	8887	8888	8892	8894	8898
		7.4505 - SWITCH, WATER TEMPERATURE											
	5144496	SWITCH	1	1	1	1	1	1	1	1	1	1	1
	5163830	GASKET (7.4586)	1	1	1	1	1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2		2	2	2	2	2
	120361	NUT, #10-24 HEX. (12.9120)										2	2
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	2	2	2	2	2	2	2	2	2	2
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH											
	5109718	ADAPTOR ASSY.	1	1	1	1	1	1	1	1	1	1	1
	5108415	ADAPTOR (6.2120)		1			1						
	5113655	STUD, 5/16"-28X2.46" (3.3003)	2	2	2	2	2	2	2	2	2	2	2
	5109717	PLUNGER	1	1	1	1	1	1	1	1	1	1	1
	5109719	SPRING	1	1	1	1	1	1	1	1	1	1	1
	5121182	PLUG, 1/4" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1	1
	5163811	GASKET, MANIFOLD ADAPTOR (6.2105)		1									
	138247	SCREW, 3/8"-16X2 1/4" HEX. SOC. (12.9027)		4			4						
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR											
	5113412	GASKET	1	1	1	1	1	1	1	1	1	1	1
		7.4513 - BELL, ALARM SYSTEM											
	5131954	+ BELL (8921360)											1
		+ NOT SERVICED; USE NUMBER IN PARENTHESES.											
		7.4514 - RELAY, ALARM BELL											
	3290747	RELAY (12V.)											1
		7.4519 - SOLENOID, AIR SHUT-OFF											
	1118191	* SOLENOID (24V.-32V.)	1	1	1	1	1	1	1	1	1	1	
	186676	BOLT, 1/4"-20X5/8" (12.9001)						4					
	117461	BOLT, 1/4"-20X9/16" (12.9001)	4	4	4	4	4			4	4	4	
	443603	BOLT, 1/4"-20X3/4" (12.9001)							4				
	120392	WASHER, 1/4" PLAIN (2.9190)			4	4	4	4		4	4	4	
	120380	LOCKWASHER, 1/4" (12.9200)	4	4	4	4		4	4	4	4	4	
	123179	NUT, 1/4"-20 HEX. (12.9120)						4	4				
		* PROCURE FROM UNITED DELCO.											
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID											
	5137519	BRACKET						1					
	5142639	BRACKET							1				
	179819	BOLT, 5/16"-18X1 1/2" (12.9001)							3				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 881	882	883	884	885	886	887	888	892	894	898
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID (CONT'D)											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						2					
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL											
	5121913	LINK	1	1		1	1						
	5142128	LINK							1				
	5142107	LINK			1					1	1	1	
	5137518	LINK						1					
	103361	PIN, 1/16"X1/2" COTTER (12.9250)	1	1	1	1	1	1	1	1	1	1	
	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)	1	1	1	1	1	1	1	1	1	1	
	120392	WASHER, 1/4" PLAIN (12.9190)	2	2	2	2	2	2	2	2	2	2	
	114492	NUT, 1/4"-28 JAM (12.9120)	2	2	2	2	2	2	2	2	2	2	
		7.4545 - HARNESS, AIR SHUT-OFF WIRING											
	5146093	HARNESS ASSY. (7.2340)	1	1	1	1	1	1	1	1			
	3223197	CLIP	8	7	7	8	6	6	7	8			
	5114551	TAG, CABLE	2	2	3	3	5	6	3	2			
		7.4547 - BLOCK TERMINAL											
	5146065	PLATE (7.2340)	1	1	1	1	1	1	1	1			
	5183175	BOX, JUNCTION (7.2340)	1	1	1	1	1	1	1	1			
	5185739	CONNECTOR, 3/4" (7.4952)	1	1	1	1	1	1	1	1			
	5157783	SPACER (19/64"I.D.X17/32"O.D.X9/32" L) (2.9357)	4	4	4	4	4	4	4	4			
	5164789	SPACER (13/32"X3/8") (5.4025)	3	3	3	3	3		3	3			
	5175705	SPACER (13/32 X7/8"X1") (7.1581)	3	3	3	3	3	3					
	123450	BOLT, 1/4"-28X3/4" (12.9001)	4	4	4	4	4	4	4	4			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	3	3	3	3	3		3	3			
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)						3					
	103341	WASHER, 3/8" FLAT (12.9190)	3	3	3	3	3	3	3	3			
	120380	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4	4			
	103321	LOCKWASHER, 3/8" (12.9200)	3	3	3	3	3	3	3	3			
	121902	NUT, 1/4"-28 HEX. (12.9120)	4	4	4	4	4	4	4	4			
		7.4586 - SWITCH, OIL PRESSURE											
	5100723	SWITCH (20# BREAK)	1	1	1	1	1	1					
	5100722	SWITCH (10# BREAK) (FUEL PRESSURE)									1		1
	1500720	SWITCH (27# BREAK)							1	1		1	
	444052	ELBOW, 1/8"-45 DEG. STREET (12.9590)								1			
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9550)								1			
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)											1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8881	8882	8883	8884	8885	8886	8887	8888	8892	8894	8898
		7.4586 - SWITCH, OIL PRESSURE (CONT'D)											
	141539	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)				1	1						
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)							1	1		1	1
	444000	ADAPTOR, 1/4"-18 PIPE (12.9560)											1
		7.4598 - SWITCH, ALARM SHUT-OFF											
	5100679	SWITCH (20# MAKE) (FUEL PRESSURE)									1		
	5100721	SWITCH (30# MAKE) (FUEL PRESSURE)										1	
	3292162	SWITCH, TOGGLE											1
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)									1		
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)										1	
	5145009	PLUG, 1/8" PIPE (12.9550)									1		
	120217	LOCKWASHER, #10 (12.9200)									2		
	120614	NUT, #10-32 HEX. (12.9120)									2		
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET											
	5147160	TUBE ASSY. (DEV. L. 13.20") (ADAPTOR TO BLOCK) (7.4699)			1						1		
	5146031	TUBE ASSY. (DEV. L. 16.85") (COOLER TO ADAPTOR)	1										
	5101401	TUBE ASSY. (DEV. L. 45.81") (COOLER TO ADAPTOR)				1							1
	5130778	TUBE ASSY. (DEV. L. 41.92") (COOLER TO ADAPTOR) (7.4596)		1									
	5130164	TUBE ASSY. (DEV. L. 53.75") (COOLER TO ADAPTOR)					1						
	5199575	HOSE, BULK #6X25 FT. (15" L.) (ADAPTOR TO BLOCK) (12.9550)						1					
	5199575	HOSE, BULK #6 X 25 FT. (9.2" L.) (VALVE TO BLOCK) (12.8550)							1	1			
	5113689	HOSE, #6X75" L. (27 1/2" L.) (7.4699)										1	
	5177623	CLIP, 3/8" TUBE X3/8" BOLT (2.5120)	1	1									
	5131190	CLIP, 3/8" (2.5120)				2							
	5151883	CLIP, 3/8" (2.5070)					2						
	5110070	CLIP, 3/8" (2.5120)										1	
	5171509	CLIP, 5/8" (9.1591)										1	
	2488022	CLIP, 3/8" (12.8554)		2									
	444255	TEE, 1/4" PIPE (12.9616)										1	
	444148	TEE, 1/4"-18 PIPE (12.9616)									1	1	
	5129184	TEE, 1/4" PIPE (2.5145)			1								
	5104778	TEE, 5/8" INV. FL. TUBE	1	1		1		1			1		
	5114541	BRACKET, CLIP (7.1585)					2						

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 881	882	883	884	885	886	887	888	892	894	898
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)											
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)	1	1	1						1		
	189060	BUSHING, 3/4"X1/4" PIPE (12.9570)			1	1			1	1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1					2	2		1	
	5138305	@ CONNECTOR ASSY, 3/8" SEALASTIC (12.9415)									1		
	190367	ELBOW, 1/4" PIPE 90 DEG. STREET (12.9590)										1	
	143338	ELBOW, 1/4" PIPE 45 DEG. (12.9480)			1								
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			1	3		2	2		1		1
	5113214	FITTING, 3/8" HOSE, 1/4"-18 (12.6689)										1	
	5114049	FITTING, 3/8" INV. FL. TUBE (12.9534)										1	
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)		2				2	3	3	1		
	5199588	FITTING, HOSE, 5/8"-18 INV. FL. 90 DEG. (12.9534)							1	1	1		
	5101020	STRAP, HOSE (2.5255)						2	2	2			
	103647	DRAINCOCK, 1/4" (12.9510)	1		1						1		
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9415)									1		
	179816	BOLT, 5/16"-18X3/4" (12.9001)					2						
	179833	BOLT, 3/8"-16X1/2" (12.9001)					1						
	179837	BOLT, 3/8"-16X3/4" (12.9001)		1									
	120393	WASHER, 11/32"X11/16" (12.9190)					2						
	103320	LOCKWASHER, 5/16" (12.9200)					AR						
	103321	LOCKWASHER, 3/8" (12.9200)					1						
	120376	NUT, 5/16"-18 HEX. (12.9120)						2					
		@ INCLUDES SEAL RING IN 7.4694 PLUS NUT NOT SOLD SEPARATELY.											
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET											
	5147159	TUBE ASSY. (DEV. L. 29.68") (ADAPTOR TO PUMP)			1						1		
	5130776	TUBE ASSY. (DEV. L. 37.38") (ADAPTOR TO PUMP)		1									
	5130779	TUBE ASSY. (DEV. L. 41.50") (ADAPTOR TO PUMP)	1										
	5127388	TUBE (DEV. L. 42.44") (VALVE TO PUMP)				1							1
	5130166	TUBE ASSY. (DEV. L. 45.70") (PUMP TO ADAPTOR)					1						
	5199575	HOSE, BULK #6X25' (37" L.) (VALVE TO PUMP)							1	1			
	5199575	HOSE, BULK #6X25' (45" L.) (ADAPTOR TO PUMP) (12.8550)						1					
	116524	BUSHING, 1/2"X1/4" RED. PIPE	1	1	1	1	1	1	1	1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8881	8882	8883	8884	8885	8886	8887	8888	8992	8994	8998
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET (CONT'D)											
		(12.9570)											
	143338	ELBOW, 1/4" PIPE 45 DEG. (12.9480)	1										
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	1	2					1	2	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1	1	1	1	1	1	1		1
	5160388	CLIP, 3/8" SPECIAL (2.5070)	2	2	2								2
	5169119	CLIP, 3/8" (2.5120)				2	2						
	5177623	CLIP, 3/8" (2.5120)			2								
	2488022	CLIP, 3/8" (12.8554)						1	2	2			
	5171509	CLIP, 5/8" (9.1591)										1	
	5130913	BRACKET, CLIP (7.4597)	2	2	2								
	5173022	BRACKET, CLIP (5.5379)			2								
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)					1	1	1	1			
	5114049	FITTING, 3/8" INV. FL. TUBE (2.5010)										2	
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.9534)						1	1	1			
	5199593	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG. (12.9534)							1	1			
	181361	BOLT, 3/8"-24X7/8" (12.9001)	2	2	2								
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR								
	117049	NUT, 3/8"-24 HEX. (12.9120)	2	2	2								
		7.4707 - RELAY, TIME DELAY											
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.											
	8921717	RELAY KIT	1	1	1	1	1	1	1	1			
	132788	SCREW, #8-32X1 3/4" RED. HD. SL. (12.9025)	2	2	2	2	2	2	2	2			
	446143	WASHER, #8 FLAT (12.9190)	2	2	2	2	2	2	2	2			
	121841	LOCKWASHER, #8 (12.9200)	2	2	2	2	2	2	2	2			
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING											
		A BRACKET ASSY. INCLUDES MOUNTING ASSY. 1580295.											
	5188436	* BRACKET ASSY.									1		
		* OBSOLETE											

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 903	904	906	907	911	912	913	916	917	923	924	925	927	928
		7.4505 - SWITCH, WATER TEMPERATURE														
	5144496	SWITCH	1	1			1				1		1		1	1
	5107326	SWITCH							1							
	5146080	SWITCH				1										
	5114045	SWITCH								1						
	5163830	GASKET (7.4586)	1	1			1		1		1		1		1	1
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)					1									
	103320	LOCKWASHER, 5/16" (12.9200)	2	2					2		2		2		2	2
	120361	NUT, #10-24 HEX. (12.9120)	2	2			2									2
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	2			2		2		2		2		2	2
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH														
	5109718	ADAPTOR ASSY.	1	1			1		1		1		1		1	1
	5113655	STUD, 5/16"-28X2.46" (3.3003)	2	2			2		2		2		2		2	2
	5109717	PLUNGER	1	1			1		1		1		1		1	1
	5109719	SPRING	1	1			1		1		1		1		1	1
	5145010	PLUG, 1/4" PIPE (12.9550)	1	1			1		1		1		1		1	1
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR														
	5113412	GASKET	1	1			1		1		1		1		1	1
		7.4519 - SOLENOID, AIR SHUT-OFF														
6A	1118191	* SOLENOID (24V.-32V.)	1	1		1	1		1		1	1	1	1	1	1
6A	1118128	* SOLENOID (12V.)			1											
	117461	BOLT, 1/4"-20X9/16" (12.9001)		4		4					4	4	4		4	4
	186676	BOLT, 1/4"-20X5/8" (12.9001)			4											
	443603	BOLT, 1/4"-20X3/4" (12.9001)	4													
	454894	BOLT, 1/4"-20X3/4" (12.9001)							4							
	181309	BOLT, 1/4"-28X1/2" (12.9001)					4									
	120392	WASHER, 1/4" FLAT (12.9190)		4		4			4		4	4	4		4	4
	120385	WASHER, 1/4" CAD. PL. (12.9190)					4									
	103319	LOCKWASHER, 1/4" (12.9200)	4		4											
	120380	LOCKWASHER, 1/4" (12.9200)		4		4	4		4		4	4	4			4
	120375	NUT, 1/4"-20 HEX. (12.9120)	4		4											
		* PROCURE FROM UNITED DELCO.														
		7.4520 - SWITCH, SHUTDOWN SOLENOID MICRO														
	5141446	SWITCH				1										
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID														
	5142639	BRACKET	1													
	5137519	BRACKET			1											
	5148802	BRACKET					1									

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 903	904	906	907	911	912	913	916	917	923	924	925	927	928
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID (CONT'D)														
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	3													
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			2											
	186285	BOLT, 3/8"-16X4" (12.9001)					4									
		7.4535 - BRACKET, AIR SHUT-OFF SOLENOID LIMIT SWITCH														
	5147476	BRACKET				1										
	5108333	BRACKET							1							
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL														
	5142128	LINK	1													
	5142107	LINK		1							1	1	1			1
	5137518	LINK			1											
	5121913	LINK				1									1	
	5138138	LINK						1								
	5130909	LINK (2.9360)							1							
	112526	PIN, 1/16"X3/8" COTTER (12.9250)						1								
	103361	PIN, 1/16"X1/2" COTTER (12.9250)	1	1	1	1			1		1	1	1		1	1
	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)	1	1	1	1			1		1	1	1		1	1
	444148	TEE, 1/4" PIPE (12.9616)													1	
	5121182	PLUG, 1/4" PIPE (12.9250)													1	
	5124916	SPACER, 9/32"X7/16"X.30"						1								
	5115204	BOLT, 1/4"-18X1 1/4" (12.9001)						1								
	120392	WASHER, 1/4" PLAIN (12.9190)	2	2	1	2			1		2	2	2		2	2
	120380	LOCKWASHER, 1/4" (12.9200)						1								
	114492	NUT, 1/4"-28 JAM (12.9120)	2	2	2	2		2	2		2	2	2		2	2
		7.4586 - SWITCH, OIL PRESSURE														
	5100720	SWITCH (27# BREAK)	1			1										
	5100722	SWITCH (10# BREAK)		1			1				1		1		1	
	5114094	SWITCH								1						
	5100723	SWITCH (20# BREAK)												1		1
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)	1	1		1	1				1			1	1	1
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)													1	
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)					1							1		
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)												1		
		7.4598 - SWITCH, ALARM SHUT-OFF														
	5100721	SWITCH (30# MAKE) (FUEL PRESSURE)													1	
	5100679	SWITCH (20# MAKE) (FUEL PRESSURE) (INCLUDES 4 #10-32 HEX. NUTS		1		1					1		1			1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9 0 3	9 0 4	9 0 6	9 0 7	9 1 1	9 1 2	9 1 3	9 1 6	9 1 7	9 2 3	9 2 4	9 2 5	9 2 7	9 2 8
		7.4598 - SWITCH, ALARM SHUT-OFF (CONT'D)														
		IN 7.4598)														
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)				1										
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)				1										
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)		1		1					1		1		1	
	444148	TEE, 1/4"-18 PIPE (12.9616)				1										
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)									1				1	
	5138125	TEE, 3/8"-18X1/8-27														1
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)				1										
	120614	NUT, #10-32 HEX. (12.9120)													4	
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET														
	5101398	TUBE (DEV.L. 17.56") (ADAPTOR TO ELBOW)													1	
	5148485	TUBE ASSY. (DEV. L. 18.17") (BLOCK TO VALVE)		1												
	5147387	TUBE ASSY. (DEV. L. 21.16") (BLOCK TO ADAPTOR)									1					
	5147358	TUBE ASSY. (DEV. L. 18.18") (COOLER TO ADAPTOR) (7.4511)											1			
	5113689	HOSE, #6X75" L. (48" L.)	1													
	5199575	HOSE, BULK #6X25' (19.31" L.)					1									
	5199575	HOSE, BULK #6X25' (9.2" L.)														1
	5114049	FITTING, 3/8" HOSE (1/4"-18) (12.6689)	2													
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STRAIGHT (12.8552)					2									
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.8552)														1
	103647	DRAINCOCK, 1/4" (12.9510)									1		1			
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)									1		1			
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)													1	
	189060	BUSHING, 3/4"X1/4" RED. (12.9570)														1
	2191465	TEE, 1/8" INV. FL. TUBE (7.8295)											1			
	5104778	TEE, 1/4"X1/4"X5/8"		1							1		1			
	444148	TEE, 1/4"-18 PIPE (12.9616)	1													
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1							1		1		1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1								1	2
	5172489	BRACKET (7.4013)		1			1									
	5158973	CLIP, 3/8" (4.8040)		1												
	5177623	CLIP, 3/8"									1					
	125928	CLIP, 7/16"X3/8" BOLT (12.9630)					1									
	5100364	CLIP (5/8" TUBE X 3/8" BOLT) (2.5070)	2													

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 903	904	906	907	911	912	913	916	917	923	924	925	927	928
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)														
	443603	BOLT, 1/4"-20X3/4" (12.9001)		1			1									
	179839	BOLT, 3/8"-16X1" (12.9001)	1													
	103319	LOCKWASHER, 1/4" (12.9200)		1			1									
	103321	LOCKWASHER, 3/8" (12.9200)	1													
	120375	NUT, 1/4"-20 (12.9120)		1			1									
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET														
	5122770	TUBE ASSY. (DEV.L. 20.90")													1	
	5147388	TUBE ASSY. (DEV. L. 12.84") (VALVE TO PUMP)									1					
	5147623	TUBE ASSY. (DEV. L. 13.02") (VALVE TO PUMP)											1			
	5148498	TUBE ASSY. (DEV. L. 26.19") (VALVE TO PUMP)					1									
	5148486	TUBE ASSY. (DEV. L. 29.09") (VALVE TO PUMP)		1												
	5113689	HOSE, #6X75" L. (75" L.) (7.4699)	1													1
	5199575	HOSE, BULK #6X25'L. (40.5")														
	5100364	CLIP (5/8" TUBE X3/8" BOLT) (7.4699)	4													2
	2488022	CLIP, 3/8" (12.8554)														
	5114049	FITTING, 3/8" HOSE (1/4"-18) (12.6689)	1													
	5199579	FITTING, HOSE 5/8"-18 INV. FL. TUBE (12.9534)														1
	5114049	FITTING, 3/8" INV. FL. TUBE SWIVEL (2.5010)	1													
	5199593	FITTING, 5/8" HOSE INV. FL. TUBE 45 DEG. (12.9534)														1
	143338	ELBOW, 1/4" PIPE 45 DEG. (12.9480)									1					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2				2						1			2
	116524	BUSHING, 1/2"X1/4" RED. (12.9570)	1	1			1				1		1		1	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		2							1		1		1	2
	114493	NUT, 5/16"-24 JAM (12.9120)	1													
		7.4707 - RELAY, TIME DELAY														
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.														
	8921717	RELAY KIT	1													
	5182545	* RELAY ASSY. (24V.)									1		1			
	5183175	BOX, RELAY (7.2340)	1													
	5157783	SPACER, 1/4" PIPE (2.9357)	4													
	132788	SCREW, #8-32X1 3/4" RED. HD. SL. (12.9025)	2								2		2			
	100001	BOLT, 1/4"-28X3/4" (12.9001)	4													

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 903	904	906	907	911	912	913	916	917	923	924	925	927	928
		7.4707 - RELAY, TIME DELAY (CONT'D)														
	446143	WASHER, #8 FLAT (12.9190)	2								2		2			
	121841	LOCKWASHER, #8 (12.9200)	2								2		2			
		* *NOT SERVICED, USE 8921717 KIT*														
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING														
		A BRACKET ASSY. INCLUDES MOUNTING ASSY. 1580295.														
	5146065	PLATE (7.2340)	1													
	5182531	* PLATE									1		1			
	5188436	BRACKET ASSY.									1		1			
	1580295	MOUNTING ASSY. (ANTI-VIBRATION) (7.4064)									1					
	5159347	SPACER, 3/4"X1/2" (7.1581)	6													
	5182628	SPACER, 13/32"X.75X.15" (12.4065)									2					
	132768	SCREW, #8-32X3/4" RD. HD. SL. (12.9025)									4		4			
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	3													
	186317	BOLT, 3/8"-24X5" (12.9001)									2					
	103341	WASHER, 3/8" FLAT (12.9190)	3													
	121841	LOCKWASHER, #8 (12.9200)									4		4			
	103322	LOCKWASHER, 3/8" (12.9200)	3													
	120622	NUT, #8-32 HEX. (12.9120)									4		4			
		* OBSOLETE														
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING														
	5182532	* INSULATOR									1		1			
		* OBSOLETE														

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9311	9333	9447	9449	9511	9522	9533	9544	9555	9566	9599	9600
		7.4505 - SWITCH, WATER TEMPERATURE												
	5146080	SWITCH	1	1		1	1	1	1		1	1	1	1
	5144496	SWITCH									1	1	1	1
	5163830	GASKET (7.4586)									2	2	2	2
	5113655	STUD, 5/16"-18, 5/16"-24 X 2.46" (3.3003)									2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)									2	2	2	2
	114493	NUT, 5/16"-24 (12.9120)												
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
	5109718	ADAPTOR ASSY.									1	1	1	1
	5109717	PLUNGER									1	1	1	1
	5109719	SPRING									1	1	1	1
	5121182	PLUG, 1/4" PIPE (12.9250)									1	1	1	1
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET								1	1	1	1	1
		7.4519 - SOLENOID, AIR SHUT-OFF												
6A	1118191	* SOLENOID (24V.-32V.)	1			1				1	1	1	1	1
6A	1118128	* SOLENOID (12V.)			1		1	1	1					
	117461	BOLT, 1/4"-20 X 9/16" (12.9001)	4									4		
	120392	WASHER, 1/4" (12.9190)	4		2	2	2	2	2	2	2	4	2	2
	120380	LOCKWASHER, 1/4" (12.9200)	4									4		
	114492	NUT, 1/4"-28 (12.9120)			2	2	2	2	2	2	2		2	2
		* PROCURE FROM UNITED DELCO.												
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL												
	5121913	LINK	1									1		
	103361	PIN, 1/16" X 1/2" COTTER (12.9250)	1									1		
	5176810	PIN, 1/4" X 1 1/4" CLEVIS (2.9410)	1									1		
	120392	WASHER, 9/32" (12.9190)	2									2		
	114492	NUT, 1/4"-28 JAM (12.9120)	2									2		
		7.4545 - HARNESS AIR SHUT-OFF WIRING												
	5137779	HARNESS				1		1						
	5114551	TAG, CABLE						1						
	3223197	CLIP, 2 3/4" X 3/4"				2		3						
		7.4586 - SWITCH, OIL PRESSURE												
	5100720	SWITCH (27# BREAK)	1											
	5100722	SWITCH (10# BREAK)		1		1	1	1	1		1	1	1	
	5100723	SWITCH (20# BREAK)												1
	112877	BUSHING, 1/4" X 1/8" RED. PIPE (12.9570)	1								1	1	1	1
	179735	BUSHING, 3/4" X 1/8" RED. PIPE (12.9570)				1	1	1	1					
	444000	ADAPTOR, 1/4"-18 (12.9460)					1				1	1		
	9409943	TEE, 1/8" PIPE (12.9616)				1								
	5129184	TEE, 1/4"					1							
	444148	TEE, 1/4" (12.9616)									1	1		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 931	933	947	949	951	952	953	954	955	956	959	960
		7.4586 - SWITCH, OIL PRESSURE (CONT'D)												
	5138125	TEE, 1/2"	1											
	5145009	PLUG, 1/8" (12.9250)												
		7.4598 - SWITCH, ALARM SHUT-OFF												
	5100679	SWITCH (20# MAKE) (FUEL PRESSURE) (INCLUDES 4-#10-32 NUTS)	1	1		1	1	1	1		1	1	2	2
	112877	BUSHING, 1/4" X 1/8" RED. PIPE (12.9570)				1	1	1	1		1	1		1
	444255	TEE, 1/4"-18 (12.9616)				1								
	5104778	TEE, 1/4" X 1/4" X 5/8" (7.4694)					1	1	1		1			
	5104778	TEE, 1/4" X 1/4" X 5/8"										1		
	5121182	PLUG, 1/4" (12.9250)				1					1	1		
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET												
	5101399	TUBE ASSY. (DEV. L. 27.97") (ADAPTOR TO ELBOW)									1			
	5101398	TUBE ASSY. (DEV. L. 17.56") (ADAPTOR TO ELBOW)										1		
	5146031	TUBE ASSY. (DEV. L. 16.85") (ADAPTOR TO BLOCK)											1	
	5199575	HOSE, BULK #6X25' (40 3/4" L.) (12.8550)												1
	5199579	FITTINGS, 5/8"-18 INV. FL. STR. (12.9534)												2

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 931	933	947	949	951	952	953	954	955	956	959	960
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)												
	103647	DRAIN COCK, 1/4" (12.9510)											1	
	144045	BUSHING, 1/4" X 1/2" (12.9570)									1	1		
	2191465	TEE, 1/8" INV. FL. TUBE (7.8295)											1	1
	9409943	TEE, 1/8" PIPE (12.9616)											1	1
	5104778	TEE, 1/4" X 1/4" X 5/8"											1	1
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)										1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)									2	1	1	1
	5177623	CLIP, 3/8"												1
	2488022	CLIP, 3/8" (12.8554)												2
	5133108	CLIP, 3/8"									1			
	179837	BOLT, 3/8"-16X3/4" (12.9001)												1
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET												
	5130776	TUBE ASSY. (DEV. L. 37.38") (VALVE TO PUMP)												1
	5130779	TUBE ASSY (DEV. L. 41.50") (VALVE TO PUMP)											1	
	5127770	TUBE ASSY. (DEV. L. 20.90") (VALVE TO PUMP)										1		
	5146234	TUBE ASSY. (DEV. L. 25.94") (VALVE TO PUMP)									1			
	5139622	BRACKET, CLIP 90 DEG.									1			
	5131190	CLIP, 3/8"									1			
	5130913	BRACKET, CLIP											2	2
	5160388	CLIP, 3/8"											2	2
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)												1
	143338	ELBOW, 1/4" PIPE 45 DEG. (12.9480)											1	
	144045	BUSHING, 1/4" X 1/2" PIPE (12.9570)									1	1	1	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)									1	2	1	1
	5121182	PLUG, 1/4" (12.9250)												1
	181361	BOLT, 3/8"-24 X 7/8" (12.9001)									1		2	2
	103341	WASHER, 3/8" (12.9190)									1			
	103321	LOCKWASHER, 3/8" (12.9200)									1		2	2
	117049	NUT, 1/4"-20 (12.9120)									1		2	2
		7.4707 - RELAY, TIME DELAY												
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.												
	8921717	RELAY KIT				1	1	1	1				1	1
	5147454	BRACKET				1	1	1	1				1	1
	446143	WASHER, 3/16" X 3/8"				2	2	2	2				2	2
	121841	LOCKWASHER, #8				2	2	2	2				2	2
	132788	SCREW, #8-32 X 1 3/4" (12.9025)				2	2	2	2				2	2

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9069	9076	9077	9078	9080	9081	9082	9083	9085	9097	9099	1001
		7.4505 - SWITCH, WATER TEMPERATURE												
	5146080	SWITCH	1											
	5104916	SWITCH		1	1	1	1						1	
	5104917	SWITCH						1	1	1				
	5144496	SWITCH									1	1		1
	5163830	GASKET (7.4586)		1	1	1	1				1	1	1	1
	9409943	TEE, 1/8 PIPE						1						
	5113655	STUD, 5/16"-18, 5/16-24 X 2.46" (3.3003)		2	2	2	2				2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)		2	2	2	2				2	2	2	2
	114493	NUT, 5/16"-24 (12.9120)		2	2	2	2				2	2	2	2
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
	5109718	ADAPTOR ASSY.		1	1	1	1				1	1	1	1
	5109717	PLUNGER		1	1	1	1				1	1	1	1
	5109719	SPRING		1	1	1	1				1	1	1	1
	5121182	PLUG, 1/4" (12.9550)		1	1	1	1				1	1	1	1
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET		1	1	1	1				1	1	1	1
		7.4513 - BELL, ALARM SYSTEM												
	5107197	BELL, ALARM (12V.)									1			
	5177780	RELAY, DROP (24V. DC)									1			
		7.4519 - SOLENOID, AIR SHUT-OFF												
	1118191	* SOLENOID (24V.-32V.)		1		1	1	1	1					
	1118128	* SOLENOID (12V.)			1					1				
	117461	BOLT, 1/4"-20 X 9/16" (12.9001)		4	4	4	4	4	4	4				
	120392	WASHER, 9/32" X 5/8" (12.9190)		4	4	4	4	4	4	4				
	120380	LOCKWASHER, 1/4" (12.9200)		4	4	4	4	4	4	4				
		* PROCURE FROM UNITED DELCO.												
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL												
	5121913	LINK		1	1	1	1	1	1	1				
	103361	PIN, 1/16" X 1/2" COTTER (12.9250)		1	1	1	1	1	1	1				
	5176810	PIN, 1/4" X 1 1/4" CLEVIS (2.9410)		1	1	1	1	1	1	1				
	120392	WASHER, 9/32" (12.9190)		2	2	2	2	2	2	2				
	114492	NUT, 1/4"-28 JAM (12.9120)		2	2	2	2	2	2	2				
		7.4545 - HARNESS AIR SHUT-OFF WIRING												
	5137779	HARNESS								1				
	5114551	TAG, CABLE								1				
	3223197	CLIP, 2 3/4" X 3/4"								3				
		7.4586 - SWITCH, OIL PRESSURE												
	5100722	SWITCH (10# BREAK)	1	1	1	1	1	1	1	1	1			
	112877	BUSHING, 1/4" X 1/8" RED. PIPE (12.9570)		1	1	1	1	1	1					

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9069	9076	9077	9078	9080	9081	9082	9083	9085	9097	9099	1001
		7.4586 - SWITCH, OIL PRESSURE (CONT'D)												
	444000	ADAPTOR, 1/4"-18 (12.9460)			1	1	1				1			
	444148	TEE, 1/4"-18 PIPE (12.9616)			1	1	1							
	5104778	TEE, 1/4" X 1/4" X 5/8" (7.4694)						1						
	179735	BUSHING, 3/4" X 1/8" RED.								1				
	5145009	PLUG, 1/8" (12.9250)									1			
	5115214	PLUG, 1/2" (12.9250)										1		
		7.4598 - SWITCH, ALARM SHUT-OFF												
	5100679	SWITCH (20# MAKE) (FUEL PRESSURE) (INCLUDES 4 #10-32 HEX. NUTS)		1	1	1	1	1	1	1				
	3292162	SWITCH, TOGGLE									1			
	112877	BUSHING, 1/4" X 1/8" RED. PIPE (12.9570)		1	1		1	1	1	1				
	5104778	TEE, 1/4" X 1/4 X 5/8" (7.4694)		1			1		1	1				
	5138125	TEE, 3/8"-18 X 1/8-27				1		1						

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9069	9076	9077	9078	9080	9081	9082	9083	9085	9097	9099	10001
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET												
	5143410	TUBE ASSY. (DEV. L. 20.44") (COOLER TO ADAPTOR)		1										
	5101398	TUBE ASSY. (DEV. L. 17.56") (ADAPTOR TO ELBOW)			1		1					1	1	
	5101401	TUBE ASSY. (DEV. L. 45.81") (ADAPTOR TO ELBOW)				1								
	5101399	TUBE ASSY. (DEV. L. 27.97") (ADAPTOR TO ELBOW)												1
	144045	BUSHING, 1/4" X 1/2" RED. (12.9570)			1		1					1	1	1
	189060	BUSHING, 3/4" X 1/4" RED. (12.9570)				1								
	5127610	TEE, 1/4" X 1/4" X 5/8"		1										
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	1	1	1					1	1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1	1	1					1	1	1
	5131190	CLIP, 3/8"				2								
	5133108	CLIP, 3/8"												1
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET												
	5143520	TUBE ASSY. (DEV. L. 10.78") (VALVE TO PUMP)		1										
	5127770	TUBE ASSY. (DEV. L. 20.90") (VALVE TO PUMP)			1		1					1	1	
	5127388	TUBE ASSY. (DEV. L. 42.44") (VALVE TO PUMP)				1								
	5146234	TUBE ASSY. (DEV. L. 25.94") (VALVE TO PUMP)												1
	5130166	TUBE ASSY. (DEV. L. 45.70") (ADAPTOR TO PUMP)									1			
	5113689	HOSE, #6 X 75" L. (48" L.)									1			
	5169119	CLIP, 3/8" (12.8554)				2					2			
	5139622	BRACKET, CLIP 90 DEG.												1
	5131190	CLIP, 3/8" (12.8554)												1
	5171509	CLIP, 5/8" (12.8554)									1			
	5114049	FITTING, 3/8" INV. FL. TUBE SWIVEL (2.5010)									2			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1		1					2			
	144045	BUSHING, 1/4" X 1/2" RED. (12.9570)		1	1	1	1				1	1	1	1
	5104778	TEE, 1/4" X 1/4" X 5/8"									1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		2	2	1	2				1	2	2	1
	181361	BOLT, 3/8"-24 X 7/8" (12.9001)												1
	103341	WASHER, 3/8" (12.9190)												1
	103321	LOCKWASHER, 3/8" (12.9200)												1
	117049	NUT, 3/8"-24 (12.9120)												1
		7.4707 - RELAY, TIME DELAY												
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.												
	8921717	RELAY KIT		1				1	1	1				
	5147454	BRACKET		1				1	1	1				
	5159347	SPACER, 13/32" X 3/4" X 1/2"							2					
	446143	WASHER, 3/16" (12.9190)		2				1	2	2				
	121841	LOCKWASHER, #8 (12.9200)		2				2	2	2				
	132788	SCREW, #8-32 X 1 3/4" (12.9025)		2				2	2	2				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 969	976	977	978	980	981	982	983	985	997	999	1001
		7.4707 - RELAY, TIME DELAY (CONT'D)												
	179847	BOLT, 3/8"-16 X 2" (12.9001)							2					

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7.4000C SHUTOFF, ALARM SYSTEM AND O.S GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1003	1006	1009	1011	1017	1027	1028	1029	1030	1031	1032	1041	1043
		7.4505 - SWITCH, WATER TEMPERATURE													
	5144496	SWITCH	1	1	1										1
	5146080	SWITCH					1								
	5104917	SWITCH						1	1	1		1	1		
	5163830	GASKET (5.2180)	1	1	1										1
	8924380	PLUG, 1/8" (12.9550)										1			
	8924996	TEE, 1/4" INV. FL. PIPE (12.9490)											1		
	8924178	TEE, 1/4" (12.9616)						1							
	178996	TEE, 1/8" INV. FL. TUBE (12.9490)										1			
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)						1					1		
	8924165	BUSHING, 3/4"X1/8" RED. (12.9570)							1						
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)										1			
	8925093	CONNECTOR, 3/8" SEALASTIC (12.9415)						1							
	5113655	STUD, 5/16"-28, 5/16"-24 X 2.46" (3.3003)	2	2	2										2
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2										2
	114493	NUT, 5/16"-24 (12.9120)	2	2	2										2
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH													
	5108415	ADAPTOR													1
	5109718	ADAPTOR ASSY.	1	1	1										1
	5109717	PLUNGER	1	1	1										1
	5109719	SPRING	1	1	1										1
	5121182	PLUG, 1/4" (12.9550)	1	1	1										
	8923847	PLUG, 1/4" (4.7001)													1
		7.4510 - GASKET, WATER TEMPERATURE SWITCH													
	5113412	GASKET	1	1	1										1
	5101809	GASKET, MANIFOLD FLANGE (6.2105)													1
		7.4513 - BELL, ALARM SYSTEM													
	8921360	+ BELL, ALARM (12V) (8921360)			1										
		+ NOT SERVICED; USE NUMBER IN PARENTHESES.													
		7.4519 - SOLENOID, AIR SHUTOFF OR GOVERNOR													
	1118128	* SOLENOID (12V.)				1								1	
	1118191	* SOLENOID (24V.-32V.)						1	1	1	1	1	1		1
	186676	BOLT, 1/4"-20 X 5/8" (12.9001)				4			4					4	
	117461	BOLT, 1/4"-20X9/16" (12.9001)						4		4	4	4	4		
	443603	BOLT, 1/4"-20X3/4" (12.9001)													4
	120392	WASHER, 1/4" (12.9190)				4		4	4	4	4	4	4		
	103319	LOCKWASHER, 1/4" (12.9200)				4			4					4	4
	120380	LOCKWASHER, 1/4" (12.9200)						4		4	4	4	4		
	120392	WASHER, 1/4" (12.9190)												4	4
	120375	NUT, 1/4"-20 (12.9120)				4			4					4	4
		* PROCURE FROM UNITED DELCO.													
		7.4527 - CLIP, AIR SHUTOFF CONTROL WIRE-RESET													
	3223197	CLIP, 3/4"X2 3/4" (12.4080)										4	3		

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7.4000C SHUTOFF, ALARM SYSTEM AND O.S GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1003	1006	1009	1011	1017	1027	1028	1029	1030	1031	1032	1041	1043
		7.4530 - BRACKET, AIR SHUTOFF SOLENOID													
	5137519	BRACKET				1			1					1	
	5143017	BRACKET													1
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)				2			2					2	
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)													3
		7.4538 - ROD, AIR SHUTOFF SOLENOID CONTROL													
	5142107	LINK									1				
	5137518	LINK				1			1					1	
	5121913	LINK						1		1		1	1		
	5142128	LINK													1
	5176810	PIN, 1/4"X1 1/4"				1		1	1	1	1	1	1	1	1
	103361	PIN, 1/16"X1/2" COTTER (12.9250)				1		1	1	1	1	1	1	1	1
	120392	WASHER, 1/4" (12.9190)				1		2	1	2	2	2	2	1	2
	114492	NUT, 1/4"-28 JAM (12.9120)				2		2	2	2	2	2	2	2	2
		7.4545 - HARNESS, AIR SHUTOFF WIRING													
	8921650	HARNESS (7.7001)										1			
	5137779	HARNESS											1		
	5114551	TAG										AR	AR		
		7.4550 - HOUSING, AIR SHUTOFF CONTROL													
	5183175	BOX ASSY., JUNCTION (7.2340)													1
	5157783	SPACER, 19/64" I.D. X 17/32"X9/32" (2.9357)													4
	100001	BOLT, 1/4"-28X3/4" (12.9025)													4
	103319	LOCKWASHER, 1/4" (12.9200)													4
	121902	NUT, 1/4"-28 (12.9120)													4
		7.4586 - SWITCH, OIL PRESSURE													
	8923909	SWITCH (10# BREAK)			1		1					1	1		
	8923914	SWITCH (27# BREAK)						1	1	1					
	3292162	SWITCH, TOGGLE BREAK			1			1							
	8923913	SWITCH (27# BREAK)													1
		7.4598 - SWITCH, ALARM SHUTOFF-FUEL													
	8923911	SWITCH, 20M					1	1	1	1		1	1		
	5121182	PLUG, 1/4" (12.9550)										1			
	8924142	BUSHING, 1/4"X1/8" RED.					1	1		1					1
	179735	BUSHING, 3/4"X1/8"					1					1	1		
	120401	ELBOW, 1/8"-90 DEG. ST. (12.9480)										1			
	5104778	TEE, 1/4"X1/4"X5/8"					1								
	5138125	TEE, 1/2"X3/8"X3/4"							1	1		1			
		7.4694 - TUBE, EXHAUST MANIFOLD WATER-INLET													
	5101400	TUBE ASSY. (DEV. L. 22.47") (ADAPTOR TO ELBOW)	1												
	5199575	HOSE, BULK #6X25% (6" L.)		1											
	5199575	HOSE, BULK #6 X 25' (40 3/4" L.)			1										
	5199575	HOSE, BULK #6X25% (40.5" L.)		1											
	5113683	HOSE, 3/8"X48" L.													1
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STRAIGHT		2	2										

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7.4000C SHUTOFF, ALARM SYSTEM AND O.S GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10003	10006	10009	10011	10017	10027	10028	10029	10030	10031	10032	10041	10043
		7.4694 - TUBE, EXHAUST MANIFOLD WATER-INLET (CONT'D)													
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG.		1											
	5199593	FITTING, HOSE 5/8"-18 INV. FL. 45 DEG.		1											
	5114049	FITTING, 3/8" (2.5010)													2
	8924166	BUSHING, 3/4" X 1 1/4" RED. (12.9570)	1	1											
	144045	BUSHING, 1/4"X1/2" RED. (12.9570)		1											
	5104778	TEE, 1/4" X 1/4" X 5/8"			1										
	8924199	TEE, 1/4"X1/4"X5/8" (12.9570)													1
	8925030	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	1										1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2	3	1										
	2488022	CLIP, 3/8" (12.8554)		2	2										
	5100364	CLIP, 5/8" (2.5070)													2
	179837	BOLT, 3/8"-16 X 3/4" (12.9001)			1										
	179839	BOLT, 3/8"-16X1" (12.9001)													1
	103321	LOCKWASHER, 3/8" (12.9200)													1
		7.4699 - TUBE, EXHAUST MANIFOLD WATER-OUTLET													
	5146235	TUBE ASSY. (DEV. L. 28.40") (VALVE TO PUMP)	1												
	5130776	TUBE ASSY. (DEV. L. 37.38") (VALVE TO PUMP)			1										
	5113689	HOSE, #6X75"													1
	5166565	BRACKET, CLIP	1												
	5100364	CLIP (2.5070)													4
	5130913	BRACKET, CLIP			2										
	5114049	FITTING, 3/8" (2.5010)													2
	5160388	CLIP, 3/8" (12.8554)	1		2										
	8925030	FITTING, 90 DEG. 3/8"X1/4" (12.9480)													1
	8925720	BUSHING, 1/4"X1/2" (12.9570)													1

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7.4000C SHUTOFF, ALARM SYSTEM AND O.S GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1003	1006	1009	1011	1017	1027	1028	1029	1030	1031	1032	1041	1043
		7.4699 - TUBE, EXHAUST MANIFOLD WATER-OUTLET (CONT'D)													
	8924161	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	1												
	8925030	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1										
	144045	BUSHING, 1/4" X 1/2" RED. (12.9570)	1		1										
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1		1										
	181360	BOLT, 3/8"-24 X 3/4" (12.9001)	1												
	181361	BOLT, 3/8"-24 X 7/8" (12.9002)			2										
	103321	LOCKWASHER, 3/8" (12.9200)	1		2										
	117049	NUT, 3/8"-24 (12.9120)	1		2										
		7.4707 - RELAY, TIME DELAY													
		A RELAY KIT INCLUDES 5146219 SWITCH PLUS INSTRUCTIONS TO REPLACE A FORMER RELAY.													
	8921717	RELAY KIT										1	1		1
	5183175	BOX ASM., JUNCTION													1
	5157783	SPACER, 19/64" I.D. (2.9357)													4
	5147454	BRACKET										1	1		
	132788	SCREW, #8-32X1 3/4" RD. HD. SL. (12.9025)										2	2		2
	100001	BOLT, 1/4"-28X3/4" (12.9001)													4
	446143	WASHER, #8 (12.9190)										2	2		2
	103319	LOCKWASHER, 1/4" (12.9200)													AR
	121841	LOCKWASHER, #8 (12.9200)										2	2		2
	121902	NUT, 1/4"-28 (12.9120)													AR
		7.4709 - RESISTOR, TIME DELAY RELAY													
	5182791	* RESISTOR ASSY. (12 OHM) (24V)										1			
	5277322	LUG										2			
	100946	* SCREW, #6-32X1/2" (12.9025)										1			
	132796	SCREW, #8-32X2 1/4" (12.9025)										1			
	446121	* WASHER, #6 (12.9190)										AR			
	131044	LOCKWASHER, #6 (12.9200)										AR			
	121841	LOCKWASHER, #8 (12.9200)										AR			AR
	134530	* NUT, #6-32 (12.9120)										AR			
	120622	NUT, #8-32 (12.9120)										AR			
		* OBSOLETE.													
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING													
	5146065	PLATE (7.2340)													1
	5159347	SPACER, 3/4"X1/2" (7.1581)													6
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)													3
	103341	WASHER, 3/8" (12.9190)													3
	103322	LOCKWASHER, 3/8" (12.9200)													3

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7.4000C SHUTOFF, ALARM SYSTEM AND O.S GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1046	1049	1051	1052	1057	1068	1071
		7.4505 - SWITCH, WATER TEMPERATURE							
	5146080	SWITCH	1						
	5144496	SWITCH		1	1	1			
	8924525	SWITCH			1	1			
	5104917	SWITCH, 205-215 DEG.						1	
	5113655	STUD, 5/16"-18/24X2.46" (7.4509)		2	2	2			
	103320	LOCKWASHER, 5/16" (12.9200)		2	2	2			
	114493	NUT, 5/16"-24 (2.7170)		2	2	2			
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH							
	5109718	ADAPTOR		1	1	1			
	5121098	COVER (6.1100)				1			
	5109717	PLUNGER (7.4505)		1	1	1			
	5109719	SPRING (7.4505)		1	1	1			
	5113412	GASKET		1	1	1			
	8923847	PLUG, 1/4" PIPE (4.7001)		1	1	1			
		7.4510 - GASKET, WATER TEMPERATURE SWITCH							
	5163830	GASKET (5.2180)		1	1	1			
		7.4513 - BELL, ALARM SWITCH							
	8921360	BELL	1						
		7.4519 - SOLENOID, AIR SHUTOFF OR GOVERNOR							
	1118191	* SOLENOID (24V-32V)		1				1	1
	117461	BOLT, 1/4"-20X9/16" (12.9001)		4					
	120392	WASHER, 1/4" (12.9190)		4					
	120380	LOCKWASHER, 1/4" (12.9200)		4					
		* PROCURE FROM AC DELCO.							
		7.4530 - BRACKET, AIR SHUTOFF SOLENOID							
	5137519	BRACKET						1	1
	186676	BOLT, 1/4"-20X5/8" (12.9001)						4	4
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						2	2
	120392	WASHER, 1/4" (12.9190)						4	4
	103319	LOCKWASHER, 1/4" (12.9200)						4	4
	120375	NUT, 1/4"-20 (12.9120)						4	4
		7.4538 - ROD, AIR SHUTOFF SOLENOID CONTROL							
	5142107	LINK		1					
	8927115	LINK						1	1
	103361	PIN, 1/16"X1/2" COTTER (12.9250)		1				1	1
	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)		1				1	1
	120392	WASHER, 9/32" (12.9190)		2				1	1
	114492	NUT, 1/4"-28 (12.9120)		2				2	2
		7.4545 - HARNESS, AIR SHUTOFF WIRING							
	5146093	* HARNESS ASSY.		1					
	3223197	CLIP, 2 3/4"X3/4" STRAIGHT		7					
	5114551	TAG, CABLE		3					

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7.4000C SHUTOFF, ALARM SYSTEM AND O.S GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1046	1049	1051	1052	1057	1068	1071
		7.4545 - HARNESS, AIR SHUTOFF WIRING (CONT'D)							
		* INCLUDES ITEMS IN 7.4709.							
		7.4550 - HOUSING, AIR SHUTOFF CONTROL							
	5183175	BOX ASSY., JUNCTION (7.2340)		1					
	5157783	SPACER, 19/64"X17/32"X9/32" (2.9357)		4					
	454894	BOLT, 1/4"-20X3/4" (12.9001)		4					
	103341	WASHER, 3/8" (12.9190)		3					
	103319	LOCKWASHER, 1/4" (12.9200)		4					
	120375	NUT, 1/4"-20 (12.9120)		4					
		7.4586 - SWITCH, OIL PRESSURE							
	8923909	SWITCH (#10 BREAK)	1						
	8923912	SWITCH (#20 BREAK)		1			1		
	8923913	SWITCH (#27 BREAK)						1	
	3292162	SWITCH, TOGGLE (7.4598)	1						
	8924199	TEE, 1/4"X1/4"X5/8" (7.6494)						1	
	8924142	BUSHING, 1/4"X1/8" RED (12.9570)		1				1	
	8925030	ELBOW, 3/8" INV. FL. TUBE-90 DEG. (12.9480)						1	
		7.4598 - SWITCH, ALARM SHUTOFF-FUEL							
	8923911	SWITCH (20# MAKE)	1					1	
	8923900	SWITCH (12# MAKE)					2		
	5138125	TEE, 3/8"-18X1/8"-27						1	
	8924142	BUSHING, 1/4"X1/8" RED. (12.9570)	1						
		7.4694 - TUBE, EXHAUST MANIFOLD WATER-INLET							
	5147160	TUBE ASSY.		1					
	5101398	TUBE ASSY.			1				
	5101399	TUBE ASSY.				1			
	5133108	CLIP, 3/8"				1			
	8924200	TEE, 1/4" (2.5149)		2					
	8925720	BUSHING, 1/2"X1/4" RED. (12.9570)			1	1			
	8924166	BUSHING, 3/4"X1/4" RED. (12.9570)		1					
	8924171	CONNECTOR, 3/8" TUBE INV. FLD. (12.9460)			1	2			
	8925030	ELBOW, 3/8" INV. FL. TUBE (12.9480)		2	1				
	8924161	ELBOW, 3/8" TUBE-45 DEG.		1					
	8924140	DRAINCOCK, 1/4" (12.9510)		1					
		7.4699 - TUBE, EXHAUST MANIFOLD WATER-OUTLET							
	8922560	TUBE ASSY., 3/8"X24.09"		1					
	5127770	TUBE ASSY.			1				
	5146234	TUBE ASSY. (7.4512)				1			
	5173022	BRACKET (5.5379)		1					
	5139622	BRACKET				1			
	5177623	CLIP, 3/8" (2.5120)		1					
	5131190	CLIP, 3/8"				1			
	8925720	BUSHING, 1/4"X1/2" RED. (12.9570)		1	1	1			
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	2	1			

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7.4000C SHUTOFF, ALARM SYSTEM AND O.S GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1046	1049	1051	1052	1057	1068	1071
		7.4699 - TUBE, EXHAUST MANIFOLD WATER-OUTLET (CONT'D)							
	5115214	PLUG, 1/2" (12.9250)		1					
	181361	BOLT, 3/8"-24X7/8" (12.9001)		1		1			
	103341	WASHER, 3/8" (12.9190)				1			
	103321	LOCKWASHER, 3/8" (12.9200)		1		1			
	117049	NUT, 3/8"-24 (12.9120)		1		1			
		7.4705 - KIT, TIME DELAY RELAY							
	8921717	* RELAY KIT		1					
	132788	SCREW, #8-32X1 3/4" (12.9025)		2					
	446143	WASHER, 3/16" (12.9190)		2					
	121841	LOCKWASHER, #8 (12.9200)		2					
		* RELAY KIT INCLUDES 5146219 SWITCH PLUS 18SP148.							
		7.4709 - RESISTOR, TIME DELAY RELAY							
	5277322	LUG		3					
	5281960	LUG (7.4206)		13					
	5281991	LUG (7.7001)		1					
	5281597	TERMINAL (7.4206)		6					
	5185739	CONNECTOR, 3/4" CONDUIT		1					
	5182003	SLEEVE, INSULATING #1 (7.7065)		2					
	5182004	SLEEVE, INSULATING #2 (7.7065)		1					
	5182006	SLEEVE, INSULATING #4 (7.7065)		1					
	5182008	SLEEVE, INSULATING #6 (7.7065)		1					
	5182009	SLEEVE, INSULATING #7 (7.7065)		1					
	5182010	SLEEVE, INSULATING #8 (7.7065)		1					
	5182011	SLEEVE, INSULATING #9 (7.7065)		1					
	5182477	SLEEVE, INSULATING #12 (7.7001)		1					
	57304	SLEEVE, 7/64" (2.8189)		22					
	57307	SLEEVE, 1/8" (7.7001)		1					
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING							
	5146065	PLATE (7.4547)		1					
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)		3					
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)		3					
	103341	WASHER, 3/8" (12.9190)		3					
	103321	LOCKWASHER, 3/8" (12.9200)		3					

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		7.4611 - GOVERNOR, OVERSPEED TRIP														
6E	**5110132**	* GOVERNOR ASSY. (HYDRAULIC) (5134506)	1													
6C	**5128393**	* GOVERNOR ASSY. (ELECTRIC) (5131874)			1											
	5131873	GOVERNOR ASSY. (ELECTRIC)									1					
6D	**5131874**	GOVERNOR ASSY. (ELECTRIC)				1										
6D	**5132229**	GOVERNOR ASSY. (ELECTRIC)					1									
	5134505	GOVERNOR ASSY. (HYDRAULIC)						1								
	5134506	GOVERNOR ASSY. (HYDRAULIC)							1							
	5136228	GOVERNOR ASSY. (ELECTRIC)										1				
	5138199	GOVERNOR ASSY. (ELECTRIC)								1						
	5186484	* GOVERNOR ASSY. (HYDRAULIC) (5134505)		1												
6E	**5133661**	GOVERNOR ASSY. (2500-3200 RPM)											1			
6C	**5131862**	GOVERNOR ASSY. (2300-2900 RPM)												1		
6D	**5143725**	GOVERNOR ASSY. (1900-2900 RPM)													1	
	3292047	@ PLATE, NAME	1	1												
	190073	SCREW, #2X3/16" DRIVE (12.9067)	2	2												
		* NOT SERVICED, REPLACE WITH PART NUMBER SHOWN IN PARENTHESES.														
		@ NOT SERVICED.														
		7.4614 - HOUSING ASSY., OVERSPEED TRIP GOVERNOR														
6E	**5193654**	# HOUSING	1	1												
6C,D	**5199927**	HOUSING			1	1	1			1	1	1	1			
6D	**5195867**	HOUSING												1	1	
	5198211	HOUSING (7.4613)						1	1							
		# NOT SERVICED, REPLACE WITH 5198211 HOUSING, INCLUDE 1-5198210 COVER AND 3-455580 BOLTS.														
		7.4615 - BUSHING, OVERSPEED TRIP GOVERNOR HOUSING														
6C,D	**5195820**	SEAL, OIL (7.4623)			1	1	1			1	1	1	1	1	1	
		7.4617 - BALLHEAD, OVERSPEED TRIP GOVERNOR (HYDRAULIC)														
6E	**5193657**	BALLHEAD	1	1				1	1							
	5193659	PIN	2	2				2	2							
	5193660	RING, RETAINING	1	1				2	2							
		7.4620 - PLUNGER, OVERSPEED TRIP GOVERNOR PILOT VALVE														
6E	**5193656**	PLUNGER	1	1				1	1							

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	7.4623	**- WEIGHT AND CARRIER ASSY., OVERSPEED TRIP GOVERNOR**														
	5195821	WEIGHT AND CARRIER ASSY.								1	1	1				
6C,D	**5195847**	WEIGHT AND SHAFT ASSY. (INCLUDES RETAINER)			1	1	1									
6C,D	**5195848**	RETAINER, BEARING (7.4650)			1	1	1			1	1	1		1	1	
	7.4625	**- *WEIGHT, OVERSPEED TRIP GOVERNOR***														
6E	**5198214**	WEIGHT	2	2				2	2							
	7.4630	**- COVER, OVERSPEED TRIP GOVERNOR HOUSING**														
6E	**5193664** *	COVER	1	1												
	5198210	COVER						1	1							
	5197891	COVER								1	1	1		1		
	5198213	SCREW, SPRING TENSION ADJUSTING	1	1												
	187828	BOLT, #10-32X1/2" HEX. SOC. HD. (12.9027)	3	3												
	455580	BOLT,#10-32X1 5/8" HEX. SOC.HD.(1.2.9027)						3	3							
6E	**120217**	*LOCKWASHER, #10 (12.9200)*	3	3				3	3							
6E	**128179**	NUT, 1/4"-20 HEX. (12.9120)	1	1				1	1							
		* NOT SERVICED, REPLACE WITH 5198210 COVER, INCLUDE 1-5198211 HOUSING AND 3-455580 BOLTS.														
	7.4636	**- SEAL, OVERSPEED TRIP GOVERNOR HOUSING COVER OIL**														
6E	**5193665**	GASKET	1	1				1	1							
6E	**5149210**	RING, SEAL	1	1				1	1							
	7.4644	**- SEAL, OVERSPEED TRIP GOVERNOR MOUNTING OIL**														
6C,D	**5195822**	RING SEAL (BETWEEN BODY AND COVER)			1	1	1			1	1	1	1	1	1	
	7.4646	**- SHAFT, OVERSPEED TRIP GOVERNOR OPERATING**														
6C,D	**5196835**	SHAFT ASSY. (INCLUDES SPRING)			1	1	1			1	1	1	1			
6F,D	**5195723**	SHAFT ASSY. (INCLUDES SPRING)												1	1	
6E	**5193655**	CABLE	1	1				1	1							

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		7.4646 - SHAFT, OVERSPEED TRIP GOVERNOR OPERATING(CONT'D)														
6C,6D	5195675	SPRING			1	1	1			1	1	1	1	1	1	
		7.4647 - BEARING, OVERSPEED TRIP GOVERNOR OPERATING SHAFT														
6E	5193661	BEARING, THRUST	1	1				1	1							
		7.4651 - SPRING, OVERSPEED TRIP														
6E	5194640	SPRING (SPEEDER)	1						1							
6E	5193662	SPRING (SPEEDER)		1				1								
6C,D	5195851	SPRING (FLYWEIGHT) (1500 RPM)			2	2										
6C	5195857	SPRING, LOW SPEED ADJUSTING			1											
6C,D	5195868	SPRING, HIGH SPEED ADJUSTING (SWITCH #2)			1	1	1						1			
6D	5197899	SPRING (SWITCH #1)				1	1									
	5196910	SPRING								2						
	5195824	SPRING									2			1		
	5195826	SPRING										2				
6C,D	5196912	SPRING											2			
6C,D	5199007	SPRING (FLYWEIGHT)													2	
6C,D	5195856	SPRING, LOW SPEED ADJUSTING											1		1	
6C,D	5199008	SPRING, LOW SPEED ADJUSTING													1	
6C,D	5195836	PIN, ADJUSTING SPRING			2	2	2						2		2	
		7.4653 - CAP, OVERSPEED TRIP GOVERNOR SPRING														
6C,D	5195858	CAP, ADJUSTING SPRING			2	2	2						2		2	
6C,D	5195859	NUT ASSY., ADJUSTING POST			2	2	2						2		2	
6C,D	5195861	SCREW, SET			2	2	2						2		2	
		7.4659 - SWITCH, OVERSPEED TRIP GOVERNOR														
6C	5195827	SWITCH			2											
6D	5197424	SWITCH				2	2						2		2	
	5197894	SWITCH								1	1	1			1	
	5197896	WIRE ASSY.								1	3	3			3	
6C,D	5195835	LIFTER, #1 SWITCH			1	1	1						1		1	
6C,D	5195832	LIFTER, #2 SWITCH			1	1	1						1		1	
	5197431	SPACER (BETWEEN SWITCH)				2	2						2		2	
	5197895	LUG				2	2			1	1	1	2	1	2	
	5197429	LEAD, WIRE				5	5						5		5	
	421566	SCREW, #3-48X13/16" RD. HD.								2	2	2				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		7.4659 - SWITCH, OVERSPEED TRIP GOVERNOR (CONT'D)														
		(12.9025)														
	5197430	SCREW, #3-48X1 1/2"				2	2						2		2	
	9407493	SCREW, #4-40X1/8" HD. SL.				8	8			4	4	4	8	4	8	
	5195862	SCREW, #6-32X1 5/8" RD. HD. SL. (SWITCH CLAMPING)			2											
	5195838	WASHER, INSULATING							1	1	1			1		
	5195834	LOCKWASHER, #3								2	2	2		2		
	9420810	LOCKWASHER, #3 EXT. TOOTH				4	4					4			4	
	138522	LOCKWASHER, #4 INT. TOOTH				8	8			4	4	4	8	7	8	
	178349	LOCKWASHER, #6 INT., EXT. TOOTH (12.9215)			4											
	5197432	NUT (#3-48)				2	2			2	2	2	2	2	2	
	134530	* NUT, #6-32 HEX. (12.9120)			2											
		* OBSOLETE														
		7.4664 - BRACKET, OVERSPEED TRIP GOVERNOR SWITCH														
	5197892	BRACKET								1	1	1		1		
	5197893	BRACKET								1	1	1		1		
		7.4677 - HOUSING, OVERSPEED TRIP GOVERNOR SWITCH														
6C	**5196980**	COVER ASSY. (DUST)			1											
6D	**5197901**	COVER (2 SWITCH)				1	1						1		1	
6C	**132679**	SCREW, #8-32X1/8" RD. HD. SL. (12.9025)			2											
	132740	+ SCREW, #8-32X1/8" RD. HD. SL. (12.9025)				2	2									
6C,D	**5198485**	SCREW AND WASHER ASSY. (#8-32X3/8") (12.9025)			3	3	3			1	1	1				
6C	**132768**	SCREW, #8 32X3/4" RD. HD. SL. (12.9025)			5					3	3	3				
6C,D	**5195866**	SCREW, #8-32X2" FLAT HD. SL.			2	2	2						2		2	
	5195842	BUSHING, INSULATING			5	5	5			5	5	5	5	5	5	
	5195864	WASHER, INSULATING			1	1	1						1		1	
	5195838	WASHER, INSULATING												1		
	5195841	WASHER (#8 INSULATING)			5	5	5			3	3	3	5	3	5	
	446143	WASHER, #8 FLAT (12.9190)			16	13	13			7	7	7	13	7	13	
	121752	LOCKWASHER, #8 (12.9200)			13	5	5			3	3	3	5	3	5	
	120622	NUT, #8-32 HEX. (12.9120)			19	5	5			3	3	3	5	3	5	
	271163	NUT, #8-32 (WITH EXT. TOOTH LOCKWASHER)				5	5			3	3	3	5	3	5	
		+ OBSOLETE.														

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7.4000C SHUT-OFF OR ALARM SYSTEM

7.4681 - CAP, OVERSPEED TRIP GOVERNOR SWITCH HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
6C	**5195852**	* CAP ASSY. (2 SWITCH)			1											
6C,D	**5198657**	CAP ASSY. (2 SWITCH)													1	
6D	**5197900**	CAP ASSY. (2 SWITCH)				1	1						1			
6C,D	**5195854**	BRACKET ASSY.			2	2	2						2		2	
6C,D	**5195853**	LEVER, CHANNEL			1	1	1						1		1	
6C,D	**112871**	SCREW, #6-32X5/16" RD. HD. SL. (12.9025)			2	2							2		2	
	5195846	STUD, CAP ADJUSTING (#8X32")								2	2	2				
6C	**131044**	LOCKWASHER, #6 (12.9200)			2											
6C,D	**134530**	* NUT, #6-32 HEX. (12.9120)			2	2	2						2			
6C,D	**271482**	NUT, #6-32 HEX. (W/LW) (12.9120)													2	

* OBSOLETE

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A
		7.4591 - VALVE ASSY., OVERSPEED AND LOW OIL PRESSURE	
	5142496	= VALVE ASSY.	1
		= *SHOWN FOR COMPONENT REFERENCE ONLY.*	
		7.4606 - SHAFT, OVERSPEED & LOW OIL PRESSURE VALVE DRIVE-FLEXIBLE	
	5136395	SHAFT (2.56"L.) (7.4589)	1
		7.4620 - PLUNGER, OVERSPEED TRIP GOVERNOR PILOT VALVE	
	5135212	VALVE	1
		7.4623 - WEIGHT AND CARRIER ASSY., OVERSPEED TRIP GOVERNOR	
		INCLUDES ITEMS IN 7.4606 AND 7.4625.	
	5136510	SHAFT AND WEIGHT ASSY.	1
		7.4625 - WEIGHT, OVERSPEED TRIP GOVERNOR	
	5135384	WEIGHT	2
	9411622	PIN, ROLL (12.9275)	2
		7.4647 - BEARING, OVERSPEED TRIP GOVERNOR OPERATING	
	5193661	BEARING	1
		7.4651 - SPRING, OVERSPEED TRIP GOVERNOR	
	5135376	SPRING	1
		7.4727 - HOUSING, OVERSPEED VALVE	
	5136509	HOUSING	1
	5135395	PLATE, NAME	1
	109371	SCREW, #0X3/16" RD. HD. DRIVE	2

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		7.4729 - COVER, OVERSPEED VALVE														
	5142627	COVER	1													
	436574	SCREW, #10-24X1" (12.9025)	4													
	5179709	WASHER, 1/4" COPPER (2.7175)	1													
	120217	LOCKWASHER, #10 (12.9200)	4													
	9419454	NUT, 1/4"-20	4													
		7.4731 - PISTON, OVERSPEED VALVE														
	5135246	PISTON	1													
	5135171	PILOT, SPRING	1													
	9421616	SCREW, #8-32X5/8"	1													
	106496	LOCKWASHER, #8 (12.9200)	1													
		7.4733 - DIAPHRAGM, OVERSPEED VALVE PISTON														
	5135172	DIAPHRAGM	1													
	5135273	WASHER, 3/16"X1.38"	1													
		7.4735 - GUIDE, OVERSPEED VALVE PISTON														
		A GUIDE ASSY. INCLUDES A WASHER, ADJUSTING SCREW AND GUIDE WHICH ARE NOT SERVICED SEPARATELY.														
	5142665	GUIDE ASSY.	1													
		7.4737 - SPRING, OVERSPEED VALVE PISTON														
	5143575	SPRING (BLUE STRIP)	1													
	5135221	RETAINER	1													

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7.5000A POWER GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 126	133	138	155	160	165	169	171	172	181	192	193			
	7.5001	**- GENERATOR ASSY., POWER**															
		POWER GENERATORS AND COMPONENTS ARE NOT SERVICED BY DETROIT DIESEL ALLISON DIVISION; PROCURE FROM INTERNATI ONAL ELEC. CORP. P.O. BOX 1381, SAN MARCOS, TEXAS 78666.															
	I-5282	* GENERATOR ASSY. (235/285 KW, 3 PHASE, 60 CYCLE, 1800 RPM) (WASI-4978M4) (TYPE 194)	1														
	I-5280	* GENERATOR ASSY. (155/185 KW, 3 PHASE, 60 CYCLE, 1800 RPM) (WASI-4976M4) (TYPE 192)		1													
	I-5294	* GENERATOR ASSY. (200/235 KW, 3 PHASE, 50 CYCLE, 1500 RPM) (WASI-4977) (TYPE 195)			1												
	I-5335	GENERATOR ASSY. (135/145 KW, 3 PHASE, 50 CYCLE, 1500 RPM)				1											
	I-4887	GENERATOR ASSY. (135/145 KW, 3 PHASE, 50 CYCLE, 1500 RPM) (TYPE193)					1										
	I-4624M4	GENERATOR ASSY. (225/450 KW, 3 PHASE, 60 CYCLE, 1800 RPM)						1									
	15282L1	GENERATOR ASSY. (235/285 KW, 3 PHASE, 60 CYCLE, 1800 RPM) AC							1								
	14353A1	GENERATOR ASSY. (100 KW, 3 PHASE, 60 CYCLE, 1200 RPM)								1							
	I-5264	GENERATOR ASSY. (150 KW, 3 PHASE, 225/450V., 60 CYCLE, 1800 RPM)									1						
	I-5338	* GENERATOR ASSY. (235/285 KW, 3 PHASE, 60 CYCLE, 1800 RPM) AC(TYPE 196)										1					
	E-5280H1	GENERATOR ASSY. (155/185 KW, 3 PHASE, 60 CYCLE, 1800 RPM,BRUSHLESS, WITH REGULATOR)											11				
	E-5950H1	GENERATOR ASSY. (135/150 KW, 3 PHASE, 50 CYCLE, 1500 RPM,BRUSHLESS, WITH REGULATOR)															1
	223754	BOLT, 3/4"-16X2 1/2" (12.9001)	4	4	4	4	4	4	4		4	4	4	4			
	5170530	WASHER, BEVEL (11.1001)	4	4	4	4	4	4	4		4	4	4	4			
	103326	LOCKWASHER, 3/4" (12.9200)	4	4	4	4	4	4	4		4	4	4	4			
	218197	NUT, 3/4"-16 (12.9120)	4	4	4	4	4	4	4		4	4	4	4			

* NOT SERVICED; USE TYPE SHOWN IN PARENTHESES.

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7.5000A POWER GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 194	195	196
	7.5001	**- GENERATOR ASSY., POWER**			
		POWER GENERATORS AND COMPONENTS ARE NOT SERVICED BY DETROIT DIESEL ALLISON DIVISION; PROCURE FROM INTERNATI ONAL ELEC. CORP. P.O. BOX 1381, SAN MARCOS, TEXAS 78666.			
	E5282H1	GENERATOR ASSY. (235/285 KW, 3 PHASE, 60 CYCLE, 1800 RPM, BRUSHLESS, WITH REGULATOR)	1		
	2E5294H1	GENERATOR ASSY. (200/235 KW, 3 PHASE, 50 CYCLE, 1500 RPM, BRUSHLESS, WITH REGULATOR)		1	
	E5338H1	GENERATOR ASSY. (235/285 KW, 3 PHASE, 60 CYCLE, 1800 RPM, BRUSHLESS, WITH REGULATOR)			1
	223754	BOLT, 3/4"-16X2 1/2" (12.9001)	4	4	4
	5170530	WASHER, BEVEL (11.1001)	4	4	4
	103326	LOCKWASHER, 3/4" (12.9200)	4	4	4
	218197	NUT, 3/4"-16 (12.9120)	4	4	4

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7.6000A CONTROL CABINET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 162	182	192	194	201	204	208	210	211	220	225	227
		7.6001 - CABINET, POWER GENERATOR CONTROL												
		GENERATOR CONTROL CABINETS ARE NOT SERVICED BY DETROIT DIESEL ALLISON DIVISON. ASSEMBLY AND COMPONENT PARTS OF ASSYS. ARE SERVICED BY LAKESHORE ELECTRIC MFG. CORP., 205 WILLIS ST., BEDFORD, OHIO.												
	5127348	CABINET ASSY. (155/173KW., 208- 240V., 60 CYCLE, 3 PHASE)	1											
	5127344	CABINET ASSY. (135/145KW., 190- 220V., 50 CYCLE, 3 PHASE)		1										
	5127356	CABINET ASSY. (235/285KW., 208- 240V., 60 CYCLE, 3 PHASE)			1									
	5127352	CABINET ASSY. (200/220KW., 190- 220V., 50 CYCLE, 3 PHASE)				1		1						
	5127346	CABINET ASSY. (135/145KW., 380- 440V., 50 CYCLE, 3 PHASE)					1							
	5127345	CABINET ASSY. (135/145KW., 380- 440V., 50 CYCLE, 3 PHASE)							1					
	5134747	CABINET ASSY. (235/285KW., 208- 240V., 60 CYCLE, 3 PHASE)								1				
	5127350	CABINET ASSY. (155/185KW., 416- 480V., 60 CYCLE, 3 PHASE)									1			
	5127330	CABINET ASSY. (155/185KW., 208- 240V., 60 CYCLE, 3 PHASE)										1		
	5127328	CABINET ASSY. (135/145KW., 190- 220V., 50 CYCLE, 3 PHASE)											1	
	5138074	CABINET ASSY. (235KW., 190- 220V., 50 CYCLE, 3 PHASE)												1
	5150085	RETAINER, (WASHER) (1.7180)	4	4	4	4	4	4	4	4	4	4	4	4
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
	103341	WASHER, 3/8" FLAT (12.9190)	8	8	8	8	8	8	8	8	8	8	8	8
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	117049	NUT, 3/8"-24 HEX. (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
		7.6005 - INSULATOR, CONTROL CABINET TO *SUPPORT*												
	5174393	INSULATOR	4	4	4	4	4	4	4	4	4	4	4	4
	132908	SCREW, #10-32X1/2" (12.9025)	16	16	16	16	16	16	16	16	16	16	16	16
	120217	LOCKWASHER, #10 (12.9200)	16	16	16	16	16	16	16	16	16	16	16	16
	120614	NUT, #10-32 HEX. (12.9120)	16	16	16	16	16	16	16	16	16	16	16	16
		7.6180 - BREAKER ASSY., CIRCUIT												
	5127501 *	BREAKER, 600V, MAX. (#4500 13602B-TYPE M)	1	1								1	1	
	5127497 *	BREAKER, 600V, MAX. (#1773517,					1		1		1			

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7.6000A CONTROL CABINET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 162	182	192	194	201	204	208	210	211	220	225	227
		7.6180 - BREAKER ASSY., CIRCUIT (CONT'D)												
		TYPE KL)												
	5127503 *	BREAKER, 1000 AMP. (LM 31000- TYPE LM)			1	1		1		1				1
	5134822	SPACER, BREAKER ASSY. MOUNTING	2		2		2	2	2	2	2	2	2	2
	5127018	SPACER (.40"I.D.X1.00"O.D.X1.40" L.)	4	4	4	4	4	4	4	4	4	4	4	4
	5187063	SPACER	6	6		6	6	6	6		6	6	6	6
	5135866	SPACER			6					6				
	5189702	STUD, (1/2"-13X3")	12	12		12	12	12	12		12	12	12	12
	5135986 @	STUD, (1/2"-13X4.50")			12					12				
	5135865	BAR, BUSS (4.62"L.-COPPER)			4					4				
	5135864	BAR, BUSS (90 DEG. COPPER)			2					2				
	191949	SCREW, 1/4"-20X7/16" SET (12.9025)	12	12		12	12	12	12		12	12	12	12
	192882	BOLT, 3/8"-24X6 1/4"					4	4	4	4	4		4	4
	142314	BOLT, 3/8"-24X7 3/4" (12.9001)	4	4	4	4						4		
	427566	BOLT, 1/2"-13X1 1/2" (12.9001)			12					12				
	103341	WASHER, 3/8" FLAT (12.9190)	4	4	4	4	4	4	4	4	4	4	4	4
	120396	WASHER, 1/2" CAD. PLATED (12.9190)			36					36				
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	117049	NUT, 3/8"-24 HEX. (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
	123263	NUT, 1/2"-13 HEX. (12.9120)	24	24	24	24	24	24	24	24	24	24	24	24
	107817	NUT, 1/2"-13 LOCK (12.9120)	24	24	60	24	24	24	24	24	24	24	24	24
		* NOT SERVICED. REPLACEMENT PARTS TO BE SECURED FROM WESTINGHOUSE ELECTRIC CO., PITTSBURGH, PENNSYLVANIA. USE THEIR NUMBER SHOWN IN PARENTHESES.												
		@ OBSOLETE.												
		7.6206 - LUG, CIRCUIT BREAKER TERMINAL STUD												
	5157049	LUG, SOLDERLES	1		1	1	1	1	1		1	1	1	1
	5157051	LUG, SOLDERLESS								1				
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	1		1	1	1	1	1	1	1	1	1	1
	178551	LOCKWASHER, 3/8" (12.9215)				2	2	2	2	2	2	2	2	2
		7.6745 - RESISTOR ASSY., POWER GENERATOR FIELD DISCHARGER												
	5174304 *	RESISTOR ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
	131970	SCREW, #8-32X1/2" (12.9025)	5	5	5	5	5	5	5	5	5	5	5	5
	132908	SCREW, #10-32X1/2" (12.9025)	2	2	2	2	2	2	2	2	2	2	2	2
	120391	WASHER, #10 FLAT (12.9190)	2	2	2	2	2	2	2	2	2	2	2	2
	121841	LOCKWASHER, #8 (12.9200)	5	5	5	5	5	5	5	5	5	5	5	5
	120217	LOCKWASHER, #10 (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
	120622	NUT, #8-32 HEX. (12.9120)	5	5	5	5	5	5	5	5	5	5	5	5
	120614	NUT, #10-32 HEX. (12.9120)	2	2	2	2	2	2	2	2	2	2	2	2
		* OBSOLETE												

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7.6000A CONTROL CABINET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 182	182	192	194	201	204	208	210	211	220	225	227
	7.6780	**- TRANSFORMER, POWER GENERATOR POTENTIAL**												
	5182925	TRANSFORMER	1	1								1	1	
	5115185	TRANSFORMER			1	1		1		1				1
	5175258	TRANSFORMER					1		1		1			
	110500	SCREW, #10-24X1/2" RD. HD. SL. (12.9025)	2	2	2	2	2	2	2	2	2	2	2	2
	120217	LOCKWASHER, #10 (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
	110633	NUT, #10-24 HEX. (12.9120)	2	2	2	2	2	2	2	2	2	2	2	2
	7.6785	**- TRANSFORMER, POWER GENERATOR CURRENT**												
	5175786	TRANSFORMER	2	2								2	2	
	5115171	TRANSFORMER			2	2		2		2				2
	5175259	TRANSFORMER, 400/5					2		3		2			
	5178379	PLATE, TRANSFORMER MOUNTING	1	1	1	1	1	1	1	1	1	1	1	1
	5281960	TERMINAL, (#10 SCREW SIZE) (7.4206)					4	4	6	4	4	4	4	4
	186627	BOLT, 3/8"-24X1" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	132830	SCREW, #10-24X3/8" (12.9025) (TO TERM)					3	3	3	3	3	3	3	3
	110500	SCREW, #10-24X1/2" RD. HD. SL. (12.9025)	4	4	4	4	4	4	4	4	4	4	4	4
	120217	LOCKWASHER, #10 (12.9200)	4	4	AR	AR	7	3	7	3	7	7	7	3
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
	120361	NUT, #10-24 HEX. (12.9120) (TO TERM)					3	3	3	3	3	3	3	3

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7.6000A CONTROL CABINET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2 2 9	2 4 5	2 4 7
		7.6001 - CABINET, POWER GENERATOR CONTROL			
		GENERATOR CONTROL CABINETS ARE NOT SERVICED BY DETROIT DIESEL ALLISON DIVISION. ASSEMBLY AND COMPONENT PARTS OF ASSYS. ARE SERVICED BY LAKESHORE ELECTRIC MFG. CORP., 205 WILLIS ST., BEDFORD, OHIO.			
	5127332	CABINET ASSY. (155/185KW., 416- 480V., 60 CYCLE, 3 PHASE)			1
	5130223	CABINET ASSY. (225KW., 208- 240V., 60 CYCLE, 3 PHASE)	1		
	5127327	CABINET ASSY. (135/145KW., 380- 440V., 50 CYCLE, 3 PHASE)		1	
	5150085	RETAINER, (WASHER) (1.7180)		4	4
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)		4	4
	103341	WASHER, 3/8" FLAT (12.9190)		8	8
	103321	LOCKWASHER, 3/8" (12.9200)		4	4
	117049	NUT, 3/8"-24 HEX. (12.9120)		4	4
		7.6005 - INSULATOR, CONTROL CABINET TO SUPPORT			
	5130157	BRACKET	2		
	5184056	BRACKET (SUPPORT) (11.1077)	2		
	5182735	BUSHING (7.7220)		1	
	5130729	INSULATOR	2		
	5130168	INSULATOR	4		
	5174393	INSULATOR		4	4
	5182781	BUSHING, (11.1035)		1	1
	3290822	SPACER, (7/8"X33/64") (2.9320)	6		
	132908	SCREW, #10-32X1/2" (12.9025)		16	16
	177395	BOLT, 5/16"-24X5/8" (12.9001)	16		
	181595	BOLT, 5/16"-24X3/4" (12.9001)	8		
	181361	BOLT, 3/8"-24X7/8" (12.9001)	8		
	190270	BOLT, 1/2"-13X4 1/4" (12.9001)	4		
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)	2		
	186692	BOLT, 1/2"-20X2 3/4" (12.9001)	2		
	5168904	WASHER, 1/2" BEVEL (11.1100)	6		
	5130156	WASHER, (INSULATOR)	12		
	120217	LOCKWASHER, #10 (12.9200)		16	16
	103320	LOCKWASHER, 5/16" (12.9200)	16		
	103321	LOCKWASHER, 3/8" (12.9200)	AR		
	103323	LOCKWASHER, 1/2" (12.9200)	AR		
	114493	NUT, 5/16"-24 HEX. (12.9120)	8		
	123263	NUT, 1/2"-13 HEX. (12.9120)	4		
	103028	NUT, 1/2"-20 HEX. (12.9120)	4		
	5166937	NUT, 1 1/2" LOCK (11.1001)		1	
	120614	NUT, #10-32 HEX. (12.9120)		16	16

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7.6000A CONTROL CABINET

PART NUMBER	NAME AND DESCRIPTION	TYPES 2292	2454	2475
7.6180 - BREAKER ASSY., CIRCUIT				
5127497 *	BREAKER, 600V, MAX. (#1773517, TYPE KL)	1	1	
5134822	SPACER, BREAKER ASSY. MOUNTING	2	2	
5127018	SPACER (.40"I.D.X1.00"O.D.X1.40" L.)	4	4	
5187063	SPACER	6	6	
5189702	STUD, (1/2"-13X3")	12	12	
191949	SCREW, 1/4"-20X7/16" SET (12.9025)	12	12	
192882	BOLT, 3/8"-24X6 1/4"	4	4	
103341	WASHER, 3/8" FLAT (12.9190)	4	4	
103321	LOCKWASHER, 3/8" (12.9200)	4	4	
117049	NUT, 3/8"-24 HEX. (12.9120)	4	4	
123263	NUT, 1/2"-13 HEX. (12.9120)	24	24	
107817	NUT, 1/2"-13 LOCK (12.9120)	24	24	
	* NOT SERVICED. REPLACEMENT PARTS TO BE SECURED FROM WESTINGHOUSE ELECTRIC CO., PITTSBURGH, PENNSYLVANIA. USE THEIR NUMBER SHOWN IN PARENTHESES.			
7.6206 - LUG, CIRCUIT BREAKER TERMINAL STUD				
5157049	LUG, SOLDERLESS	1	1	
454906	BOLT, 3/8"-16X1 1/2" (12.9001)	1	1	
178551	LOCKWASHER, 3/8" (12.9215)	2	2	
7.6745 - RESISTOR ASSY., POWER GENERATOR FIELD DISCHARGER				
5174304 *	RESISTOR ASSY.	1	1	
5185540	WIRE ASSY., (7.7190)	1	1	
131970	SCREW, #8-32X1/2" (12.9025)	5	5	
132908	SCREW, #10-32X1/2" (12.9025)	2	2	
120391	WASHER, #10 FLAT (12.9190)	2	2	
121841	LOCKWASHER, #8 (12.9200)	5	5	
120217	LOCKWASHER, #10 (12.9200)	2	2	
120622	NUT, #8-32 HEX. (12.9120)	5	5	
120614	NUT, #10-32 HEX. (12.9120)	2	2	
	* OBSOLETE			
7.6780 - TRANSFORMER, POWER GENERATOR POTENTIAL				
5175258	TRANSFORMER	1	1	
110500	SCREW, #10-24X1/2" RD. HD. SL. (12.9025)	2	2	
120217	LOCKWASHER, #10 (12.9200)	2	2	

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7.6000A CONTROL CABINET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2292	245	247
		7.6780 - TRANSFORMER, POWER GENERATOR POTENTIAL(CONT'D)			
	110633	NUT, #10-24 HEX. (12.9120)		2	2
		7.6785 - TRANSFORMER, POWER GENERATOR CURRENT			
	5175259	TRANSFORMER, 400/5		3	2
	5178379	PLATE, TRANSFORMER MOUNTING		1	1
	5281960	TERMINAL, (#10 SCREW SIZE) (7.4206)		6	4
	186627	BOLT, 3/8"-24X1" (12.9001)		2	2
	132830	SCREW, #10-24X3/8" (12.9025) (TO TERM)		3	3
	110500	SCREW, #10-24X1/2" RD. HD. SL. (12.9025)		6	6
	110500	SCREW, #10-24X1/2" RD. HD. SL. (12.9025)		6	6
	120217	LOCKWASHER, #10 (12.9200)		AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)		2	2
	120361	NUT, #10-24 HEX. (12.9120) (TO TERM)		3	3

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7.7000A WIRING HARNESS

PART NUMBER	NAME AND DESCRIPTION	TYPES 277	294	297	321	322	324	336	337	338	341	344	346
7.7001 - HARNESS, ENGINE WIRING													
5124995	* HARNESS	1											
5124996	* HARNESS		1										
5126164	* HARNESS			1									
5127700	* HARNESS				1								
5128663	* HARNESS					1							
5109525	* HARNESS						1						
5130871	* HARNESS							1					
5131133	* HARNESS								1				
5139597	* HARNESS (7.4545)									1			
5108995	HARNESS											1	
5130872	* HARNESS												1
	* OBSOLETE												
7.7005 - FUSE, ENGINE WIRING HARNESS													
5163389	* FUSE ASSY. (INCLUDES FUSE)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR
5100108	* FUSE (60 AMP.) (12.9530)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR
	* OBSOLETE												
7.7010 - CLIP, WIRING HARNESS													
3223197	CLIP, 15/32" (7.4545)		1				1	1	1	1		1	1
140573	CLIP, 5/8" CLOSED (12.9630)							2	2				2
5187661	CLIP, 1 1/4" (4.8183)							1	1				1
5114551	TAG, CABLE (7.4545)		AR				AR	AR		AR			AR
179835	BOLT, 3/8"-16X5/8" (12.9001)		1				1						
103321	LOCKWASHER, 3/8" (12.9200)		1				1						
7.7060 - HARNESS, CONTROL CABINET WIRING													
5128986	HARNESS				1						1		
7.7190 - CABLE, AMMETER TO STARTER SWITCH													
5185540	WIRE ASSY.				1						1		
7.7220 - CABLE, GENERATOR TO CONTROL CABINET													
5189382	CABLE ASSY. (0000X38")				2								
5189383	CABLE ASSY. (0000X42")				2								
5189384	CABLE ASSY. (0000X50")				2								
5127594	CABLE ASSY. (46")										2		
5110370	CABLE ASSY. (22") (7.2450)										4		
5127592	CABLE ASSY. (58")										3		

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7.7000A WIRING HARNESS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2777	2947	2997	3321	3222	3324	3336	3337	3338	3341	3344	3346
		7.7220 - CABLE, GENERATOR TO CONTROL CABINET (CONT'D)												
	5127593	CABLE ASSY. (60")										3		
	5182735	BUSHING (4")				1						1		
	5127551 *	BUSHING (5")										1		
	5174391	BUSHING, CONDUIT (1/2")				1						1		
	5175016	CONDUIT, 1/2"X24" FLEX.				1						1		
	5156263	CONNECTOR, 1/2" FLEX.				1						1		
	5185739	CONNECTOR, 3/4" (GENERATOR FOOT)				1						1		
	5182736	LOCKNUT, CONDUIT (4")				1						1		
	132908	SCREW, #10-32X1/2" (12.9025)				3						3		
	186678	BOLT, 3/8"-16X1" (12.9001)				4						10		
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				1						1		
	120391	WASHER, #10 FLAT (12.9190)				3						3		
	120394	WASHER, 3/8" FLAT (12.9190)				14						14		
	120217	LOCKWASHER, #10 (12.9200)				3						3		
	120382	LOCKWASHER, 3/8" (12.9200)				AR						AR		
	178551	LOCKWASHER, 3/8" INT. TOOTH (12.9200)				2						2		
	120614	NUT, #10-32 HEX. (12.9120)				3						3		
	123221	NUT, 3/8"-16 HEX. (12.9120)				14						14		

* OBSOLETE.

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7.7000A WIRING HARNESS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 350	357	358	368	369	370	374	375	381	384	385
		7.7001 - HARNESS, ENGINE WIRING											
	5131134	* HARNESS	1										
	5133424	* HARNESS		1									
	5133130	* HARNESS			1								
	5135013	* HARNESS (7.4545)				1							
	5135003	* HARNESS					1						
	5134158	HARNESS						1					
	5134165	* HARNESS							1				
	5134164	* *HARNESS (7.1630)*							1				
	5135757	* HARNESS								1			
	5110161	* HARNESS (7.1630)									1		1
	5135802	* HARNESS									1		
	5168956	* HARNESS										1	
	5138100	* HARNESS											1
		* OBSOLETE.											
		7.7005 - FUSE, ENGINE WIRING HARNESS											
	5163389	* FUSE ASSY. (INCLUDES FUSE)	AR	AR	AR	AR							
	5100108	* FUSE (60 AMP.) (12.9530)	AR	AR	AR	AR							
		* OBSOLETE.											
		7.7010 - CLIP, WIRING HARNESS											
	3223197	CLIP, 15/32" (7.4545)	1			1	1	1	1	2	7	1	4
	140573	CLIP, 5/8" CLOSED (12.9630)	2			2							
	5171509	CLIP, 5/8" (9.1591)		1									
	5187661	CLIP, 1 1/4" (4.8183)	1			1							
	5114551	TAG, CABLE (7.4545)		AR	AR	AR			AR		AR	AR	AR
	179833	BOLT, 3/8"-16X1/2" (12.9001)									1		1
	179835	BOLT, 3/8"-16X5/8" (12.9001)						1					
	174916	LOCKWASHER, 1/4" INT., EXT. (12.9210)		1									
	103321	LOCKWASHER, 3/8" (12.9200)						1			1		1
	178627	LOCKWASHER, 5/8" (12.9200)										1	
		7.7060 - HARNESS, CONTROL CABINET WIRING											
	5128986	HARNESS										1	
		7.7110 - STRAP, ENGINE TO BASE GROUND											
	5182722	STRAP (7.7001)										1	
	181429	BOLT, 1/2"-20X1 1/4" (12.9001)										1	
	178591	LOCKWASHER, 1/2" INT. EXT. TOOTH (12.9215)										1	

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7.7000A WIRING HARNESS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 350	357	358	368	369	370	374	375	381	384	385
		7.7110 - STRAP, ENGINE TO BASE GROUND (CONT'D)											
	103323	LOCKWASHER, 1/2" (12.9200)										1	
	103028	NUT, 1/2"-20 HEX. (12.9120)										1	
		7.7130 - CABLE, PITCH CONTROL MAGNETIC SWITCH											
10B	5169748	CABLE, JUMPER (7.3245)										1	
		7.7200 - CABLE, GENERATOR TO STARTER											
	5137029	HARNESS (7.7001)										1	
		7.7220 - CABLE, GENERATOR TO CONTROL CABINET											
	5127594	CABLE ASSY. (46")										2	
	5127592	CABLE ASSY. (58")										3	
	5127593	CABLE ASSY. (60")										3	
	186678	BOLT, 3/8"-16X1" (12.9001)										6	
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)										1	
	120394	WASHER, 3/8" FLAT (12.9190)										14	
	120382	LOCKWASHER, 3/8" (12.9200)										AR	
	178551	LOCKWASHER, 3/8" INT. TOOTH (12.9200)										2	
	123221	NUT, 3/8"-16 HEX. (12.9120)										14	

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7.7000A WIRING HARNESS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 386	387	397	399	401	402	404	405	406	407	408	410
		7.7001 - HARNESS, ENGINE WIRING												
	5110161	HARNESS (7.1630)	1	1										
	5138099	* HARNESS	1											
	5137556	* HARNESS		1										
	5138908	* HARNESS			1									
	5138909	* HARNESS			1									
	5139740	* HARNESS (AUTO START)				1								
	5133452	HARNESS (REG. TO GEN.) (7.1630)				1								
	5139751	HARNESS					1							
	5139580	HARNESS						1						
	5139755	HARNESS							1					
	5140962	* HARNESS								1				
	5140633	* HARNESS (AUTO START)									1			
	5140632	* HARNESS (AUTO START)										1		
	5140678	HARNESS (AUTO START)											1	
	5139341	* HARNESS (AUTO START)												1
		* OBSOLETE.												
		7.7010 - CLIP, WIRE HARNESS												
	3223197	CLIP, 15/32" (7.4580)	7	7	2				4	1		1	1	1
	5153473	CLIP, 1/2"					3							
	5171509	CLIP, 5/8" (9.1591)			3	4								
	140573	CLIP, 5/8" (12.9630)									2	2	2	2
	5174091	CLIP, 7/8" (4.8040)				3								
	5187661	CLIP, 1 1/4" (4.8183)									1		1	1
	5114551	TAG, CABLE (7.4545)	1	1	3				1	1			3	3
	454894	BOLT, 1/4"-20X3/4" (12.9001)			5									
	179833	BOLT, 3/8"-16X1/2" (12.9001)	1	1										
	179835	BOLT, 3/8"-16X5/8" (12.9001)				1				1				
	180120	BOLT, 3/8"-16X3/4" (12.9001)			2		1							
	120380	LOCKWASHER, 1/4" (12.9200)			1									
	103321	LOCKWASHER, 3/8" (12.9200)	1	1	2	1	1			1				
	103341	WASHER, 3/8" (12.9190)			2	1								
	123179	NUT, 1/4" HEX. (12.9120)			1									
		7.7090 - WIRE, STARTING MOTOR SOLENOID SWITCH ENGINE BASE												
	5139660	WIRE ASSY. (STARTER TO SOLENOID)							1					
		7.7110 - STRAP, ENGINE TO BASE GROUND												
	5156268	STRAP, (7.2040)			1									
	180120	BOLT, 3/8"-16X3/4" (12.9001)			1									
	120394	WASHER, 3/8" PLAIN (12.9190)			1									
	178551	LOCKWASHER, 3/8" INT. EXT. TOOTH			1									

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7.7000A WIRING HARNESS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 386	387	397	399	401	402	404	405	406	407	408	410
		7.7110 - STRAP, ENGINE TO BASE GROUND (CONT'D)												
		(12.9215)												
	178591	LOCKWASHER, 1/2" INT. EXT. TOOTH (12.9215)			1									

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7.7000A WIRING HARNESS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4111	4204	4244	4447	4556
		7.7001 - HARNESS, ENGINE WIRING					
	5140680	* HARNESS (AUTO START)	1				
	5143519	* HARNESS		1			
	5146127	HARNESS				1	
	5102812	HARNESS					1
		* OBSOLETE.					
		7.7010 - CLIP, WIRE HARNESS					
	3223197	CLIP, 15/32" (7.4580)	1			3	4
	140573	CLIP, 5/8" (12.9630)	2				
	5171509	CLIP, 5/8" (9.1591)		1			
	5151189	CLIP, 3/4" (4.8040)		2			
	5187661	CLIP, 1 1/4" (4.8183)	1				
	5114551	TAG, CABLE (7.4545)	3			5	1
	454894	BOLT, 1/4"-20X3/4" (12.9001)		1			
	180120	BOLT, 3/8"-16X3/4" (12.9001)		1			
	120380	LOCKWASHER, 1/4" (12.9200)		1			
	103321	LOCKWASHER, 3/8" (12.9200)		1			
	123179	NUT, 1/4" HEX. (12.9120)		1			
		7.7060 - HARNESS, CONTROL CABINET WIRING					
	5128986	HARNESS			1		
		7.7090 - WIRE, STARTING MOTOR SOLENOID SWITCH ENGINE BASE					
	5139660	WIRE ASSY.					1
		7.7110 - STRAP, ENGINE TO BASE GROUND					
	5156268	STRAP, (7.2040)		1			
	180120	BOLT, 3/8"-16X3/4" (12.9001)		1			
	120394	WASHER, 3/8" PLAIN (12.9190)		1			
	178551	LOCKWASHER, 3/8" INT. EXT. TOOTH (12.9215)		1			
	178591	LOCKWASHER, 1/2" INT. EXT. TOOTH (12.9215)		1			
		7.7220 - CABLE, GENERATOR TO CONTROL CABINET					
	5199384	CABLE ASSY., (50"L.)			1		
	5199383	CABLE ASSY., (42"L.)			1		
	5199382	CABLE ASSY., (38"L.)			1		
	5174391	BUSHING, CONDUIT (1/2")			1		
	5187235	BUSHING, (4")			1		
	5182736	LOCKNUT, CONDUIT (4")			1		
	5156263	CONNECTOR, 1/2" FLEX.			2	1	
	5175016	CONDUIT, 1/2"X24" FLEX.			1		
	132908	SCREW, #10-32X1/2" (12.9025)			3		
	186678	BOLT, 3/8"-16X1" (12.9001)			3		
		* OBSOLETE.					

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7.7000A WIRING HARNESS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4111	4204	4244	4447
		7.7220 - CABLE, GENERATOR TO CONTROL CABINET (CONT'D)				
	120391	WASHER, #10 FLAT (12.9190)			3	
	120394	WASHER, 3/8" FLAT (12.9190)			8	
	120382	LOCKWASHER, 3/8" (12.9200)			4	
	120217	LOCKWASHER, #10 (12.9200)			3	
	123221	NUT, 3/8"-16 HEX. (12.9120)			5	
	120614	NUT, #10-32 HEX. (12.9120)			3	

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 149	152	153	154	155	160	161	163	171	174	175	176
	7.8001 - HEATER ASSY., AIR													
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5129749	HEATER ASSY.	1	1	1	1	1	1	1				1	
	5135957	@ HEATER ASSY.								1	1	1		
	5145580	HEATER ASSY.												1
	8905587	@ BOOT	1		1				1					
	1881696	@ LUG, TERMINAL	1											
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)												2
	186629	BOLT, 5/16"-18X1" (12.9001)												2
9A	**100015**	BOLT, 5/16"-24X1 1/4" HEX. (12.9001)	2	2	2	2	2	2	2	2	2	2	2	
9A	**103320**	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		@ OBSOLETE.												
	7.8004 - KIT, AIR HEATER CONVERSION													
	5142748	KIT, PUMP AIR 24 VOLT												1
	7.8020 - GASKET, AIR HEATER													
	5129743	GASKET	1	1	1	1	1	1	1	1	1	1	1	
	5145581	GASKET												1
	7.8080 - COIL ASSY., AIR HEATER													
9A	**5145768**	COIL ASSY.	1	1	1	1	1		1	1	1	1	1	1
	5100355	@ WIRE (#7-84" L.)	1											
	5197445	CONNECTOR, WIRE							1					
	5184412	@ LUG, TERMINAL	1											
	5143761	CLIP (7.8110)	1											
		@ OBSOLETE.												
	7.8090 - BRACKET, AIR HEATER COIL													
	5145428	CLAMP (7.8002)												1
9A	**5142654**	CLAMP (7.8080)									1	1		
9A	**5121608**	CLIP, 2 3/4" (5.2190)	1	1	1	1	1		1	1			1	
	103196	STUD, 3/8"-16X24X1 9/16" (12.9117)				1	1			1			1	
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)		4		1	1			1			1	
	5157412	SPACER, 7/8"X1/4" (7.4013)				1	1			1			1	
9A	**5173250**	BOLT, 1/4"-20X3 3/4" HEX. (12.9001)										2		
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)												1
9A	**179839**	BOLT, 3/8"-16X1" (12.9001)		2										
9A	**186283**	BOLT, 3/8"-16X3 1/2" (12.9001)									2			
	120392	WASHER, 1/4" (12.9190)										2		
	106261	WASHER, 5/16" PLAIN (12.9190)												1
	103320	LOCKWASHER, 5/16" (12.9200)												1
9A	**103321**	LOCKWASHER, 3/8" (12.9200)		AR		AR	AR			AR	AR	AR	AR	
	117049	NUT, 3/8"-24 HEX. (12.9120)				1	1			1			1	

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 149	152	153	154	155	160	161	163	171	174	175	176
		7.8095 - HARNESS, AIR HEATER WIRING												
9C	5108657	HARNESS				1	1						1	
9C	5134509	HARNESS									1	1		1
	5142649	CLIP									1	1		1
	131899	SCREW, #6-32X1/2" (12.9010)				4	4						4	
	186618	BOLT, 5/16"-18X5/8" (12.9001)									1	1		1
	131044	LOCKWASHER, #6 (12.9200)				4	4						4	
	178378	LOCKWASHER, #10 (12.9200)				1	1						1	
	178551	LOCKWASHER, 3/8" (12.9200)				1	1						1	
	103320	LOCKWASHER, 5/16" (12.9200)									1	1		1
	134530	NUT, #6-32 HEX. (12.9120)											4	
		7.8110 - LEAD, AIR HEATER COIL HIGH TENSION												
9A,C	5130888	WIRE ASSY.		1		1	1						1	
9A,C	5134298	WIRE ASSY.								1				
9A,C	5134533	WIRE ASSY.									1	1		
9A,C	5145936	WIRE ASSY.												1
	5134840	CLIP, 5/16" (2.5220)									1	1		1
	5131426	CLIP, 1/2" (4.6040)				1	1			1			1	
	5197282	COLLAR, WIRE COUPLING							1					
	5197283	COLLAR, WIRE COUPLING							1					
	120392	WASHER, 1/4" (12.9190)										1		
	5197281	NUT, WIRE COUPLING							1					
		7.8200 - PUMP ASSY., AIR HEATER												
	5130476	# PUMP AND MOTOR ASSY. (GC-1000-BA-8)	1	1		1	1			1			1	
	5129868	PUMP AND MOTOR ASSY.			1									
	5107619	PUMP AND MOTOR ASSY.												1
	8921167	VANE, AIR PUMP												3
	5189294	FITTING, INV. MALE 1/4" HOSE 1/2"-20 (5.7100)												1
	5100357	@ WIRE (#12X60" L.)	1											
	5100356	@ WIRE (#14X120" L.)	1											
	5108242	@ WIRE (#16X48" L.)	1											
	5184412	@ LUG, TERMINAL (7.7001)	4											
	5281960	LUG, TERMINAL (7.4206)	5											
	5171360	LUG, TERMINAL (7.7070)	1											
	225815	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)												1
	443603	BOLT, 1/4"-20X3/4" (12.9001)		4		4	4			4			4	
	120392	WASHER, 1/4" (12.9190)		4		4	4			4			4	
	103319	LOCKWASHER, 1/4" (12.9200)		4		4	4			4			4	
	120375	NUT, 1/4"-20 HEX. (12.9120)		4		4	4			4			4	

@ OBSOLETE.
# COMPONENTS TO BE PROCURED FROM VENDOR

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 149	152	153	154	155	160	161	163	171	174	175	176
		7.8200 - PUMP ASSY., AIR HEATER (CONT'D)												
		BARNES CORP. PROVIDE THEIR PART NUMBER SHOWN IN PARENTHESES.												
		7.8203 - BRACKET, AIR HEATER PUMP AND VALVE												
	5130826	BRACKET		1										
	5130768	BRACKET				1	1			1				
	5145669	BRACKET ASSY.											1	
	5130694	SUPPORT				1	1			1			1	
	5121459	PLUG, 3/8"-24 NUT (1.1020)											2	
	132273	SCREW, 1/4"-20X1" (12.9010)				2	2			2			2	
	180120	BOLT, 3/8"-16X3/4" (12.9001)		2		2	2			2			2	
	186627	BOLT, 3/8"-24X1" (12.9001)				2	2			2			2	
	103321	LOCKWASHER, 3/8" (12.9200)		2		4	4			4			4	
		7.8295 - VALVE ASSY., AIR HEATER PUMP SUPPLY SHUT-OFF												
9C	5130478	VALVE ASSY. (SOLENOID) (24V.)	1	1		1	1			1			1	
9C	5134064	VALVE ASSY. (SOLENOID) (24V.)			1									
9C	5132525	VALVE ASSY. (SOLENOID) (24V.)							1		1	1		
9C	5145461	VALVE ASSY. (SOLENOID) (24V.)												1
9C	5110760	PRIMER, FUEL (HAND) (12.6655)							1		1	1		
	442321	CONNECTOR, 1/4" INV. FL. TUBE												2
	187828	SCREW, #10-32X1/2" (12.9027)									1	1		1
	117277	BOLT, #10-24X2 1/4" (12.9020)		2		2	2			2			2	
	120391	WASHER, #10 (12.9190)		2		2	2			2			2	
	120217	LOCKWASHER, #10 (12.9200)		2		2	2			2	2	2	2	2
	110633	NUT, #10-24 HEX. (12.9120)		2		2	2			2			2	
		7.8300 - TUBE, AIR HEATER PUMP INLET												
	5115163 #	HOSE ASSY. (13" L.) (5129867)												1
9C	5131253	HOSE ASSY. (14" L.) (2.5149)									1	1		
9C	5136632	HOSE ASSY. (25" L.) (2.5100)								1				
9C	5126693	HOSE (29" L.) (12.4065)		1										
9C	5137130	HOSE ASSY. (32" L.) (2.5149)				1							1	
9C	5131575	HOSE ASSY. (39" L.)					1							
	5129184	TEE, 1/4" PIPE (2.5149)		1										
	9413261	TEE, 1/4"-5/16" INV. FL. TUBE (12.9490)									1	1		
	112877	BUSHING, 1/4"X1/8" PIPE RED. (12.9570)	1		1									
	3304086	ADAPTOR, 1/4" PIPE (7.4590)		1							1	1		
	116341	ELBOW, 1/8" PIPE 45 DEG. (12.9480)												

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 149	152	153	154	155	160	161	163	171	174	175	176
		7.8300 - TUBE, AIR HEATER PUMP INLET (CONT'D)												
	116453	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)		2										
	9432249	ELBOW, 3/8" INV. FL. TUBE (12.9480)								1				
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)				2	2			1			2	
	116436	CONNECTOR, 1/4" FL. TUBE (12.9400)	4		4				4					
	5114048	CONNECTOR, 1/4" HOSE, 1/4" INV. FL. TUBE (2.5217)												1
	120703	CONNECTOR, 3/16" FL. TUBE (12.9400)	1		1				1					
	144307	NUT, 3/16" FL. TUBE (12.9380)	1											
	116452	NUT, 1/4" INV. FL. TUBE (12.9380)	4		4				4					4
		# NOT SERVICED, USE HOSE SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.												
		7.8310 - TUBE, AIR HEATER INLET (PUMP OUTLET)												
9C	5130958	* TUBE ASSY.		1										
9C	5130890	TUBE ASSY.		1										
9C	5130532	TUBE ASSY.				1	1			1				
9C	5130540	TUBE ASSY.				1	1			1				
9C	5143854	TUBE ASSY.									1			
9C	5144771	TUBE ASSY.										1		
9C	5145448	TUBE ASSY.											1	
9C	5145434	TUBE ASSY.											1	
	5145666	HOSE ASSY. (2" L.)												1
	5182881	HOSE ASSY. (14" L.) (7.4074)												1
	5133334	# HOSE ASSY. (18" L.) (5129867)												1
	224425	ELBOW, 3/16" INV. FL. TUBE 90 DEG. (12.9480)		1		1	1			1			1	
	9432337	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)		2		1	1			1			2	
	125859	ELBOW, 1/4" INV. FL. TUBE 45 DEG. (12.9390)												1
	5128927	ELBOW, 5/16"X1/4" PIPE-.080" RESTR. (2.4001)												1
	431537	CONNECTOR, 3/16" INV. FL. TUBE (12.9460)									1	1		
	5114048	CONNECTOR, 1/4" HOSE, 1/4" INV. FL. TUBE (2.5217)												2
	141539	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)		1		1	1			1			1	1
	444134	TEE, 1/4" PIPE (12.9490)												1
	5129844	ADAPTOR, 1/4" PIPE, (2.5210)												1
		# NOT SERVICED, USE HOSE SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.												
		* OBSOLETE.												

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 149	152	153	154	155	160	161	163	171	174	175	176
		7.8320 - CLIP, AIR HEATER INLET AND OUTLET TUBE												
	5156458	CLIP (2.2320)		1										
	140571	CLIP, 1/2" TUBE (12.9630)		1										
	3291251	CLIP, 5/8" TUBE, 1/2" BOLT (12.9630)				1	2						1	
	5171509	CLIP (9.1591)								1	1	1		
	5161873	CLIP (7/16") (7.4412)												1
	5114551	TAG, CABLE (7.4545)				1				1			1	
	186618	BOLT, 5/16"-18X5/8" (12.9001)		1										
	103320	LOCKWASHER, 5/16" (12.9200)		1										
	120376	NUT, 5/16"-18 HEX. (12.9120)		1										
		7.8342 - GAGE, AIR HEATER PRESSURE												
	5654316	GAGE (7.4070)							1		1	1		
		7.8380 - SWITCH, AIR HEATER												
	1996041	SWITCH (7.4115)	1											
		7.8415 - ACCUMULATOR, AIR HEATER												
	5132524	ACCUMULATOR							1		1	1		
		7.8417 - CUSHION, AIR HEATER ACCUMULATOR MOUNTING												
	5142391	HOSE (2 1/4"X4" SLIT)									3	3		
	5136691	HOSE (2.625"X4.375" SLIT)												2

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 181	185	186	189	190	191
		7.8001 - HEATER ASSY., AIR						
		SEE ASSEMBLY BREAKDOWN PAGE A1.						
	5145580	HEATER ASSY.	1	1	1		1	1
	8921554	HEATER ASSY.				1		
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	2					
	442322	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)		2	2	2	2	2
	186629	BOLT, 5/16"-18X1" (12.9001)	2	2	2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)		2	2	2	2	2
		7.8002 - BRACKET, AIR HEATER MOUNTING						
	5107221	SUPPORT				1		
	5102733	BRACKET		1	1			
	5145427	BRACKET	1					
	5145428	CLAMP	1					
	5145726	SUPPORT	1					
	5156404	SPACER, 13/32"I.D.X3/4"O.D. (4.8040)	1					
	132273	SCREW, 1/4"-20 X 1" FIL. HD. (12.9010)		2	2			
	5148932	BOLT, 5/16"-18X3.50" (7.8001)	1					
	179835	BOLT, 3/8"-16X5/8" (12.9001)	2					
	179839	BOLT, 3/8"-16X1" (12.9001)	4					
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)				2		
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	1					
	187491	BOLT, 3/8"-16 X 5 1/2" (12.9001)				2		
	186627	BOLT, 3/8"-24 X 1" (12.9001)		2	2			
	189330	BOLT, 3/8"-24 X 3 3/4" (12.9001)		1	1			
	120393	WASHER, 5/16" (12.9190)	1					
	103341	WASHER, 3/8" PLAIN (12.9190)	4	1	1	2		
	120392	WASHER, 9/32" X 5/8" (12.9190)		4	4			
	103321	LOCKWASHER, 3/8" (12.9200)	6	3	3	2		
	102635	NUT, 3/8"-16 HEX. (12.9120)	4					
		7.8004 - KIT, AIR HEATER CONVERSION						
	5142748	KIT, PUMP AIR 24 VOLT	1	1	1	1	1	1
		7.8020 - GASKET, AIR HEATER						
	5106643	GASKET				1		
	5145581	GASKET	1	1	1		1	1
		7.8030 - BODY, AIR HEATER						
	5106644	BODY				1		
	9421740	PLUG, CUP 3/16" (12.9320)				1		
	442322	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)				2		
	186629	BOLT, 5/16"-18 X 1" (12.9001)				2		

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 181	185	186	189	190	191
		7.8030 - BODY, AIR HEATER (CONT'D)						
	103320	LOCKWASHER, 5/16" (12.9200)				2		
		7.8060 - FILTER AIR HEATER						
	6438114	FILTER				1		
	5129867	HOSE, BULK (22" L.) (5.7100)				1		
	225815	ELBOW, 5/16"-90 DEG. INV. TUBE (12.9480)				1		
	9432245	ELBOW, 5/16" 90 DEG. INV. FL. TUBE (12.9480)				1		
	444134	TEE, 1/4"-18 (12.9490)				1		
	5129844	ADAPTOR, 1/4" .080 REST. (2.5210)				1		
	112877	BUSHING, 1/4" RED. (12.9570)				1		
	444285	NIPPLE, 1/8" (12.9560)				1		
	5189294	FITTING, 1/4" HOSE 1/2"-20 (5.7100)				2		
	181596	BOLT, 5/16"-24 X 7/8" (12.9001)				2		
	120393	WASHER, 5/16" (12.9190)				2		
	103320	LOCKWASHER, 5/16" (12.9200)				2		
		7.8080 - COIL ASSY., AIR HEATER						
9A	5145768	COIL ASSY.	1	1	1	1	1	1
		7.8090 - BRACKET, AIR HEATER COIL						
	8921725	BRACKET					1	1
9A	5121608	CLIP, 2 3/4" (5.2190)		2	2			
	5196119	SPACER, 13/32" X 7/8" X 3/8" (3.4001)		1	1			
	179851	BOLT, 3/8"-16X3" (12.9001)					1	1
	186283	BOLT, 3/8"-16 X 3 1/2" (12.9001)		1	1			
	179795	BOLT, 1/4"-20X3/4" (12.9001)					1	1
	120380	LOCKWASHER, 1/4" (12.9200)					1	1
	120375	NUT, 1/4" (12.9120)					1	1
		7.8095 - HARNESS, AIR HEATER WIRING						
9C	5102671	HARNESS		1	1			
	8921724	HARNESS					1	1
9C	5146671	HARNESS	1					
9C	5145566	HARNESS				1		
	5142649	CLIP (7.8095)				1		
	5145429	CLIP, 1/2" (7.8320)	2					
	186618	BOLT, 5/16"-18 X 5/8" (12.9001)				1		
	179851	BOLT, 3/8"-16X3" (12.9001)					2	2
	186627	BOLT, 3/8"-24X1" (12.9001)					2	2
	131899	SCREW, #6-32 X 1/2" FIL. HD.		4	4		4	4
	132273	SCREW, 1/4"-20X1" FIL. HD.					2	2
	120392	WASHER, 9/32"X5/8" (12.9190)					4	4
	103320	LOCKWASHER, 5/16" (12.9200)				1		
	103321	LOCKWASHER, 3/8" (12.9200)					2	2
	131044	LOCKWASHER, #6 (12.9200)		4	4		4	4
	134530	NUT, #6-32 (12.9120)					4	4
		7.8110 - LEAD, AIR HEATER COIL HIGH TENSION						
9A,C	5147163	WIRE ASSY., 14" L.	1	1	1	1	1	1

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 181	185	186	189	190	191
		7.8120 - ELECTRODE, AIR HEATER						
	5106749	ATOMIZER, AIR HEATER				1		
	5611792	PLUG, SPARK AC F-17				1		
		7.8200 - PUMP ASSY., AIR HEATER						
	5142748	PUMP AND MOTOR ASSY.	1					
	5107619	PUMP, AIR (24V.)		1	1	1	1	1
	5145223	CUSHION					1	1
	8921167	VANE, AIR PUMP	3					
	5189294	FITTING, INV. MALE 1/4" HOSE 1/2"-20	1	1	1	1	1	1
	137422	ELBOW, 5/16"-90 DEG. (12.9480)		1	1		1	1
	225815	ELBOW, 5/16"-90 DEG. INV. FL. TUBE	1					
	5102670	CLAMP		1	1		1	1
	5145428	CLAMP				1		
	186311	BOLT, 3/8"-24X3 3/4" (12.9001)					1	1
	5148932	BOLT, 7/16"-14 X 3 3/4" (7.8090)				1		
	120393	WASHER, 7/16" (12.9190)				1		
	103341	WASHER, 3/8" (12.9190)					1	1
	103321	LOCKWASHER, 3/8" (12.9200)					1	1

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 181	185	186	189	190	191
		7.8203 - BRACKET, AIR HEATER PUMP AND VALVE						
	5145223	BRACKET	2	1	1	2		
	8921779	BRACKET ASSY.					1	1
	5130694	SUPPORT		1	1		1	1
	5121459	PLUG, 3/8"-24					3	3
	5104596	BOLT, 3/8"-16X.75" W/SEAL PATCH					2	2
	103321	LOCKWASHER, 3/8" (12.9200)					2	2
		7.8280 - VALVE AIR HEATER PUMP OUTLET						
9C	5145461	VALVE, CHECK OIL RELIEF	1	1	1	1	1	1
		7.8295 - VALVE ASSY., AIR HEATER PUMP SUPPLY SHUT-OFF						
9C	5132525	VALVE ASSY. (SOLENOID) (24V.)	1			1	1	1
9C	5130478	VALVE ASSY. (SOLENOID) (24V)		1	1			
	137422	ELBOW, 5/16"-90 DEG. TUBE (12.9480)					2	
	5142776	SPACER				1		
	187828	SCREW, #10-32X1/2" (12.9027)	1					
	132911	SCREW, #10-32X5/8" (12.9027)					2	2
	132923	SCREW, #10-32 X 1" (12.9027)				2		
	117277	BOLT, #10-24X2 1/4" (12.9020)	2	2	2			
	120391	WASHER, 7/32" (12.9190)		2	2	2		
	120217	LOCKWASHER, #10		2	2	2	2	2
	110633	NUT, #10-24		2	2			
		7.8300 - TUBE, AIR HEATER PUMP INLET						
	5135985	# HOSE ASSY. (9" L.) (5129867)	1					
	5137883	HOSE ASSY. (9 1/2" L.)		1	1		1	1
	5129867	HOSE ASSY. (18" L.)		1	1			
	5131856	HOSE ASSY. (18" L.) (2.5110)					1	
	5117721	HOSE ASSY. (20 1/2" L.) (9.4016)	1					
	5140399	HOSE ASSY. (33" L.) (2.5050)						1
	5132615	HOSE ASSY. (30" L.)				1		
	5177752	ELBOW, 1/8" PIPE REST. (2.7890)			1			
	9432245	ELBOW, 1/4" 90 DEG. INV. FL. TUBE (12.9480)		2	2			
	143338	ELBOW, 3/8" 45 DEG. (12.9480)					1	
	143337	ELBOW, 1/4" 45 DEG. TUBE (12.9480)			1			
	193004	ELBOW, 1/4"-18 TUBE (12.9480)			1			1
	190367	ELBOW, 1/4" 90 DEG. ST. (12.9590)				1		
	225815	ELBOW, 5/16"-90 DEG. INV. TUBE (12.9480)			1			1
	9432249	ELBOW, 3/8"-18 90 DEG. INV. FL. TUBE (12.9480)			1			1
	5114048	CONNECTOR, 1/4" HOSE, 1/4" INV. FL. TUBE (2.5217)	1					
	442322	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)			1		1	1
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)				1		
	5164312	TEE, 5/16" INV. FL. TUBE (4.3001)					1	

NOT SERVICED; USE HOSE SHOWN IN PARENTHESES AND CUT TO DESIRED LENGTH.

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 181	185	186	189	190	191
		7.8310 - TUBE, AIR HEATER INLET (PUMP OUTLET)						
	5129867	HOSE ASSY.	2			2	1	1
	5145666	HOSE ASSY., 1/4" X 2"		1	1	1	1	1
	5140399	HOSE ASSY. (33" L.)			1			
	5199575	HOSE, BULK (45" L.) (12.8550)			1			1
	5199575	HOSE, BULK (52 1/2" L.) (12.8550)					1	
	225810	ELBOW, 1/4"-90 DEG. INV. FL. TUBE (12.9480)	3					
	137422	ELBOW, 5/16"-90 DEG. INV. FL. TUBE						1
	5114048	CONNECTOR, 1/4" HOSE, 1/4" INV. FL. TUBE (2.5217)	2					
	9432267	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1	
	5164312	TEE, 5/16" FL. TUBE (4.3001)	1					1
	5126391	TEE, 5/16"-90 DEG. INV. FL. TUBE (7.4596)		1				
	5129844	ADAPTOR, 1/4" PIPE, (2.5210)	1					
	5199593	FITTING, 5/8"-18 45 DEG. INV. FL. (12.8550)					1	
	5199583	FITTING, 1/2"-20 INV. FL. TUBE (12.8550)		1				
	5189294	FITTING, 1/4" HOSE 1/2" INV. FL. TUBE		1	1		1	1
	5199579	FITTING, 5/8"-18 ST. INV. FL. (12.8550)					1	2
	5199597	FITTING, 1/2" 20 45 DEG.		1	2			
	179857	BOLT, 7/16"-14X7/8" (12.9001)					1	
	103322	LOCKWASHER, 7/16" (12.9200)					1	
		7.8320 - CLIP, AIR HEATER INLET AND OUTLET TUBE						
	3291880	CLIP, 1/2" (4.3045)	1					
	5153473	CLIP, 1/2" (4.6040)				1		
	2236474	CLIP, #10		1				
	140573	CLIP, 5/8"		1	1		1	1
	5147599	CLIP, #6			1		1	1
	2362488	CLIP, 1/2"			1			
	5101020	STRAP, NYLON (2.5255)					2	2

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		7.8001 - HEATER ASSY.														
	5129749	HEATER ASSY.	1													
	5135957	@ HEATER ASSY.		1												
	5145580	HEATER ASSY., *INCLUDES BODY,* IGNITOR PLUG, NOZZLE & ELECTRODEWHICH ARE NOT SERVICED SEPARATELY.				1										
		@ OBSOLETE.														
		7.8030 - BODY, AIR HEATER														
9A,B	**5109809**	BODY ASSY. (WITH ELECTRODE)	1													
4A,B	**5136023**	* BODY ASSY. (WITH ELECTRODE)		1												
	141105	PIN, 1/8"X1/4" DOWEL (12.9290)	1													
		* OBSOLETE.														
		7.8050 - NOZZLE, AIR HEATER SPRAY														
9A,B	**5232195**	NOZZLE ASSY.	1	1												
9A,B	**5108353**	GASKET	1	1												
		7.8060 - FILTER, AIR HEATER														
9A,B	**5228587**	ELEMENT (2.1110)	1	1												
		7.8070 - SPRING, AIR HEATER FILTER														
	5226415	SPRING (2.1120)	1	1												
		7.8075 - CAP, AIR HEATER														
	5226413	# CAP (2.1130)	1	1												
		# NOT SERVICED; FOR SERVICE USE 5228882.														
		7.8076 - GASKET, AIR HEATER CAP														
	5226186	GASKET (2.1140)	1													
		7.8130 - INSULATOR, AIR HEATER														
9A,B	**5610709**	INSULATOR	1													
9A,B	**5611002**	INSULATOR		1												
9A,B	**5563785**	NUT, INSULATOR PIN	1	1												

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		7.8140 - GASKET, AIR HEATER INSULATOR														
7A,B	**5122839**	GASKET	2	2												
		7.8150 - NUT, AIR HEATER INSULATOR														
7A,B	**5122934**	NUT	1													
7A,B	**5133395**	NUT		1												
		7.8153 - SPRING, AIR HEATER														
	5135389	* SPRING		1												
	5135122	* GASKET		1												
	5135121	* SCREW		1												
	147481	BALL (12.9670)		1												

* OBSOLETE.

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Blcer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tuba
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- **8.1000A Power Take-off and/or Clutch**
- **8.1000A Power Take-off and/or Clutch (Twin and Quad)**
- **8.3000A Torque Converter**
- **8.3000A Torque Converter (Twin and Quad)**
- **8.3000B Transmission Lines**

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission – Highway
- 9.7000 Transmission – Off-highway
- 9.9000 Transmission – Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

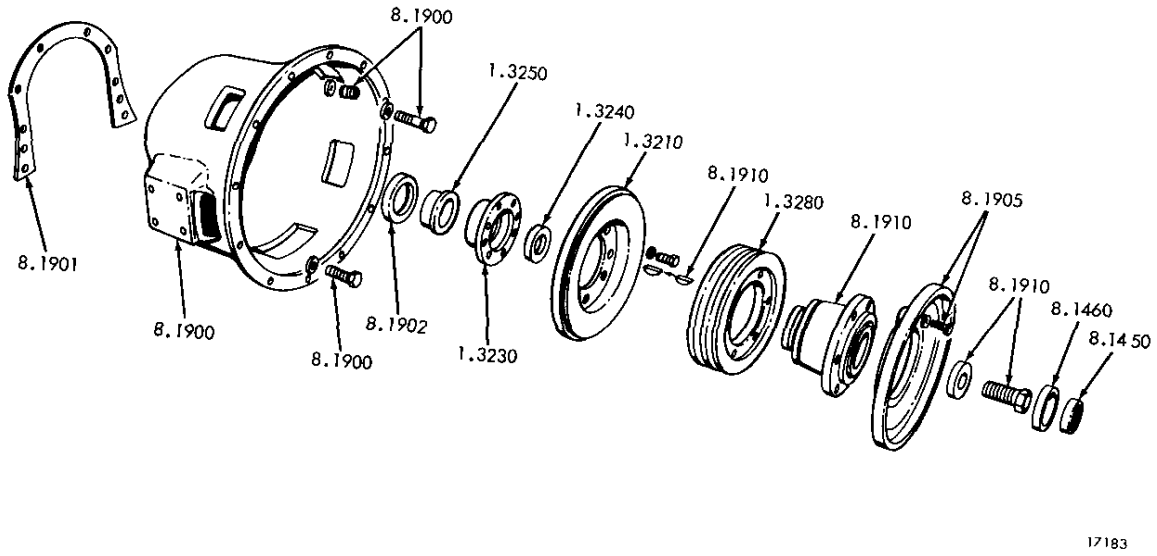

FIG. 1A FRONT POWER TAKE-OFF ADAPTOR (12V.)

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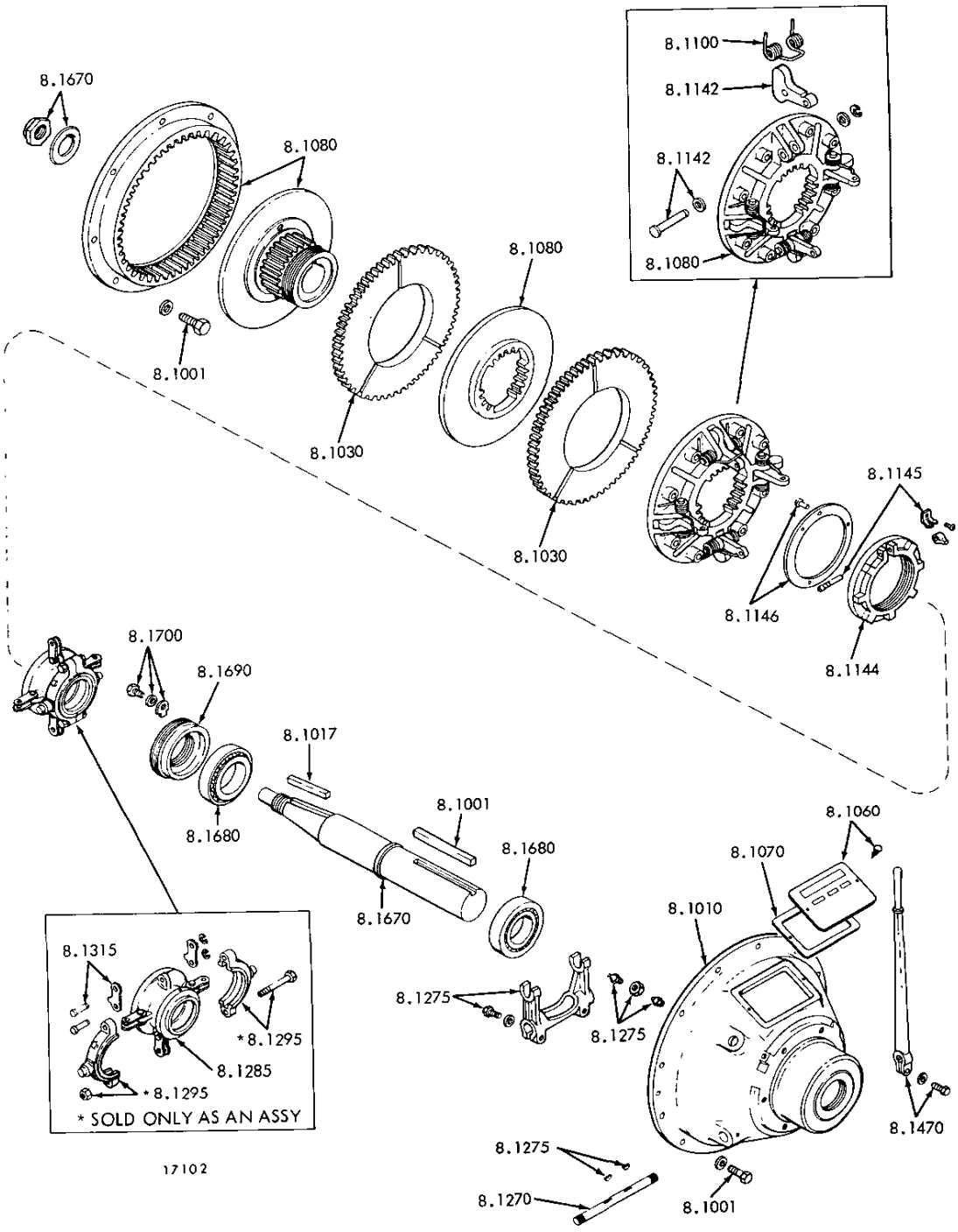

FIG. 1B POWER TAKE-OFF (2 PLATE CLUTCH)

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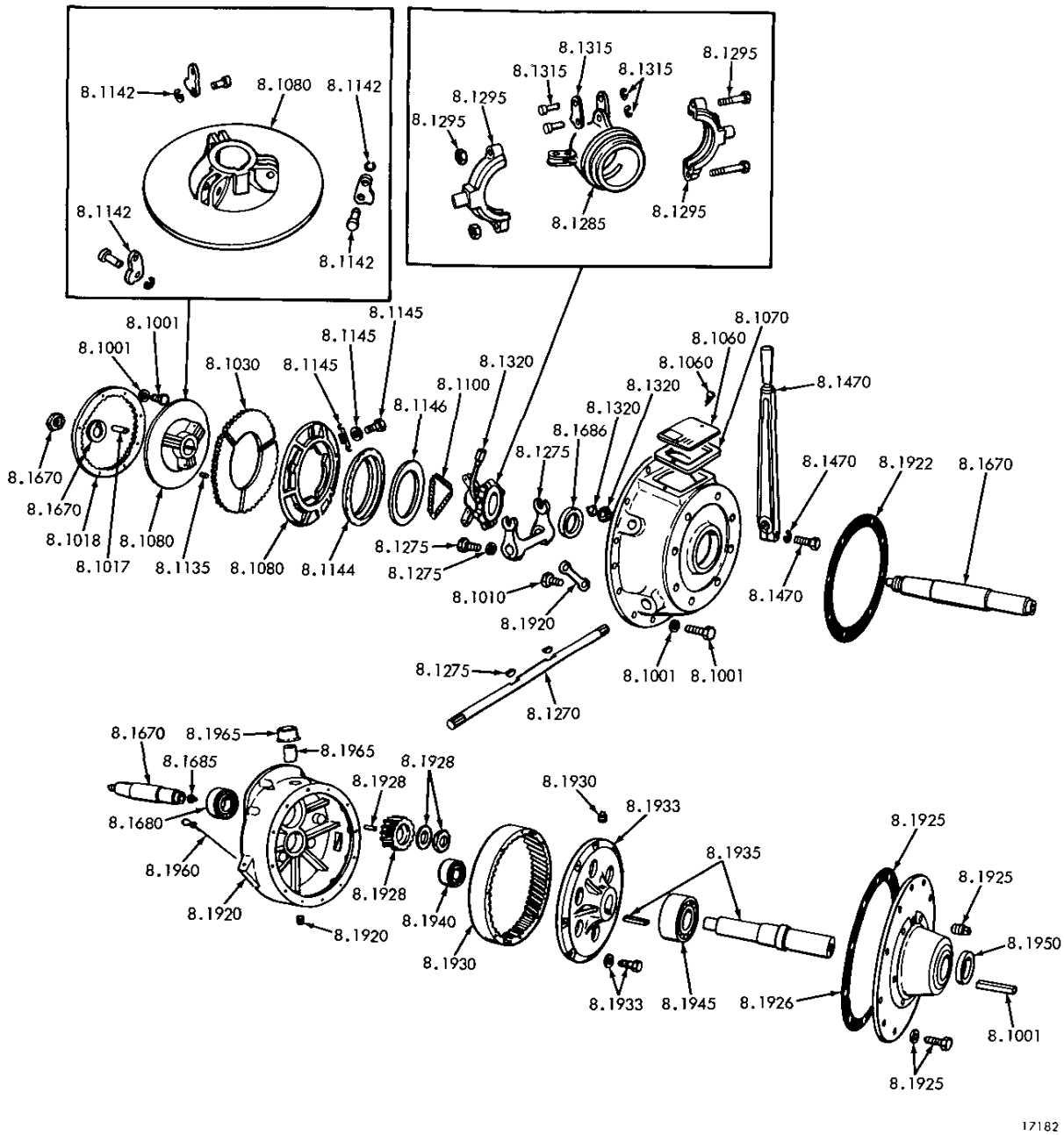

FIG. 1C POWER TAKE-OFF (REDUCTION)
(SINGLE PLATE CLUTCH)

Fig. 1C of 8.0000

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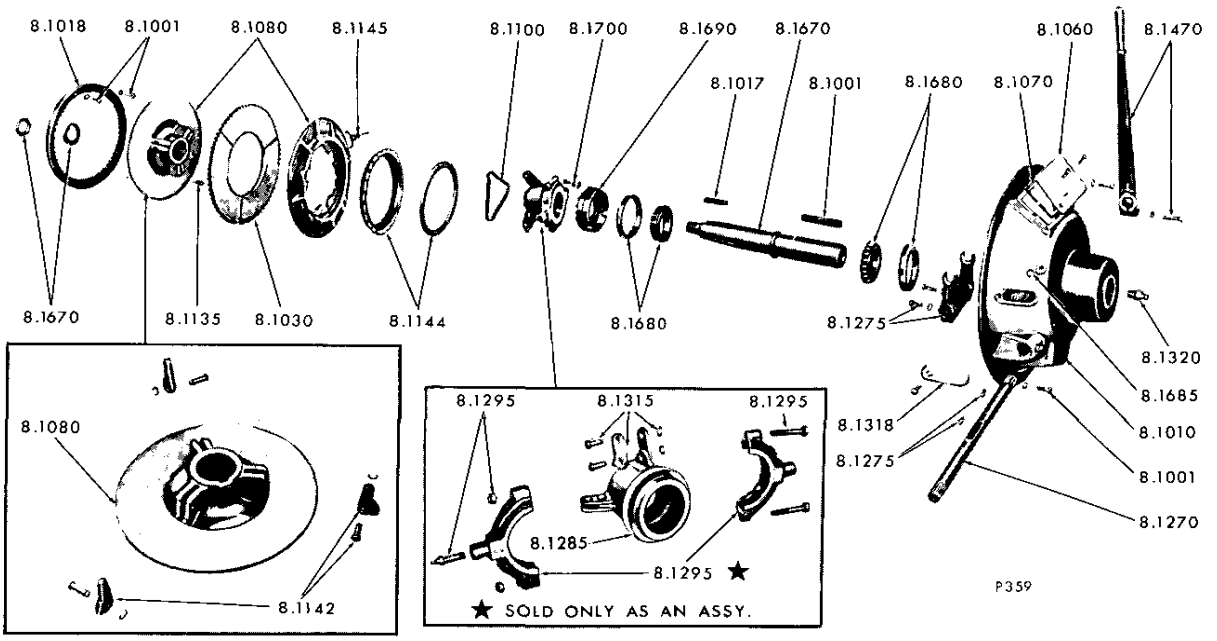

FIG. 1D POWER TAKE-OFF (SINGLE PLATE CLUTCH)

Fig. 1D of 8.0000

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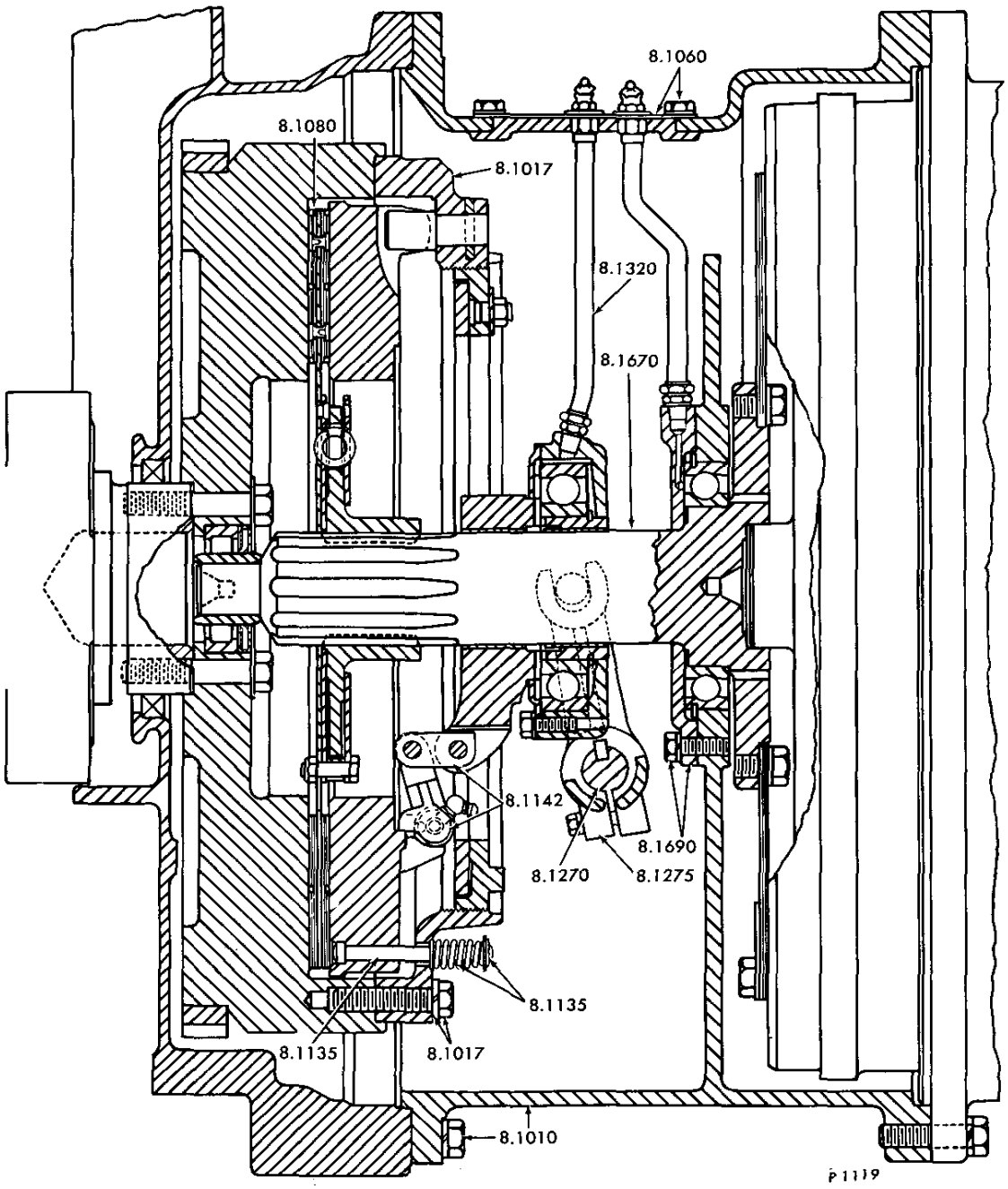

FIG. 1E FRONT DISCONNECT CLUTCH

Fig. 1E of 8.0000

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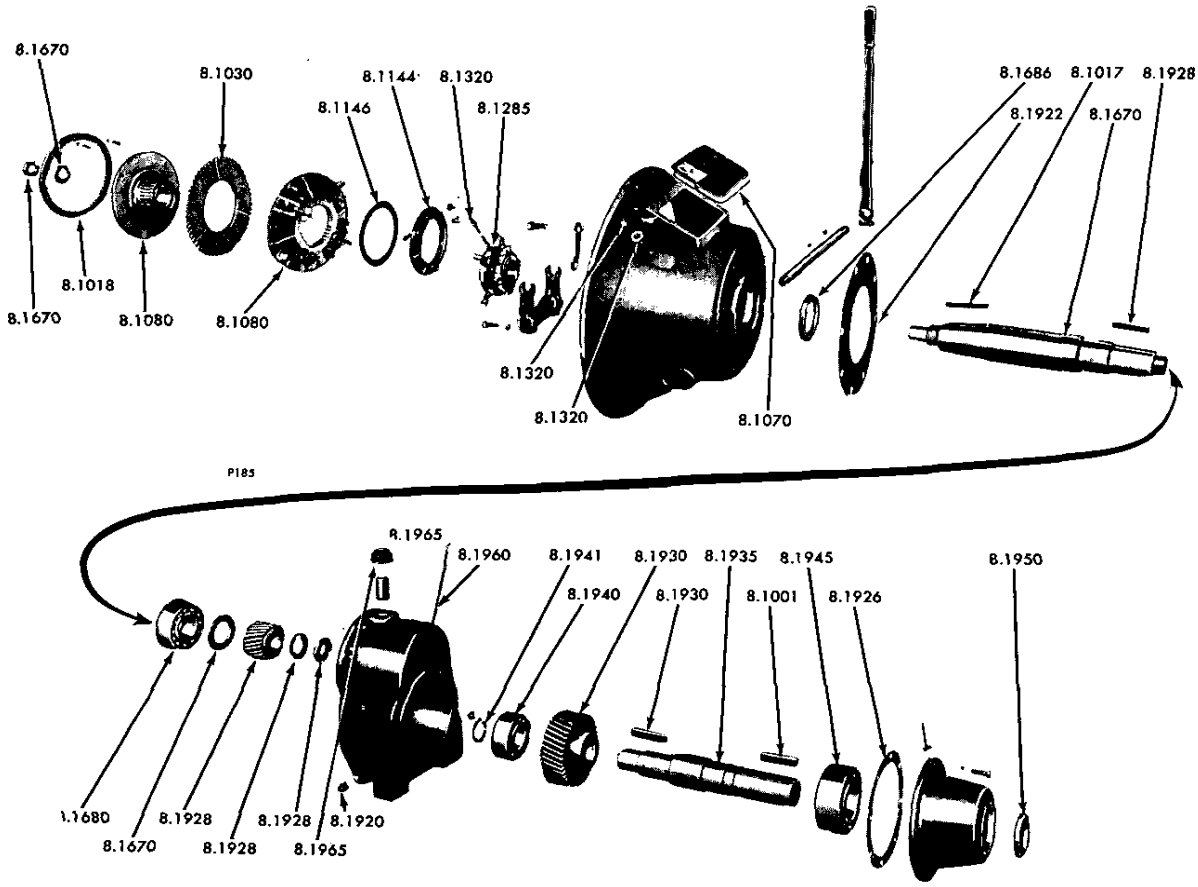

FIG. 1F POWER TAKE-OFF (REDUCTION)
(SINGLE PLATE CLUTCH)

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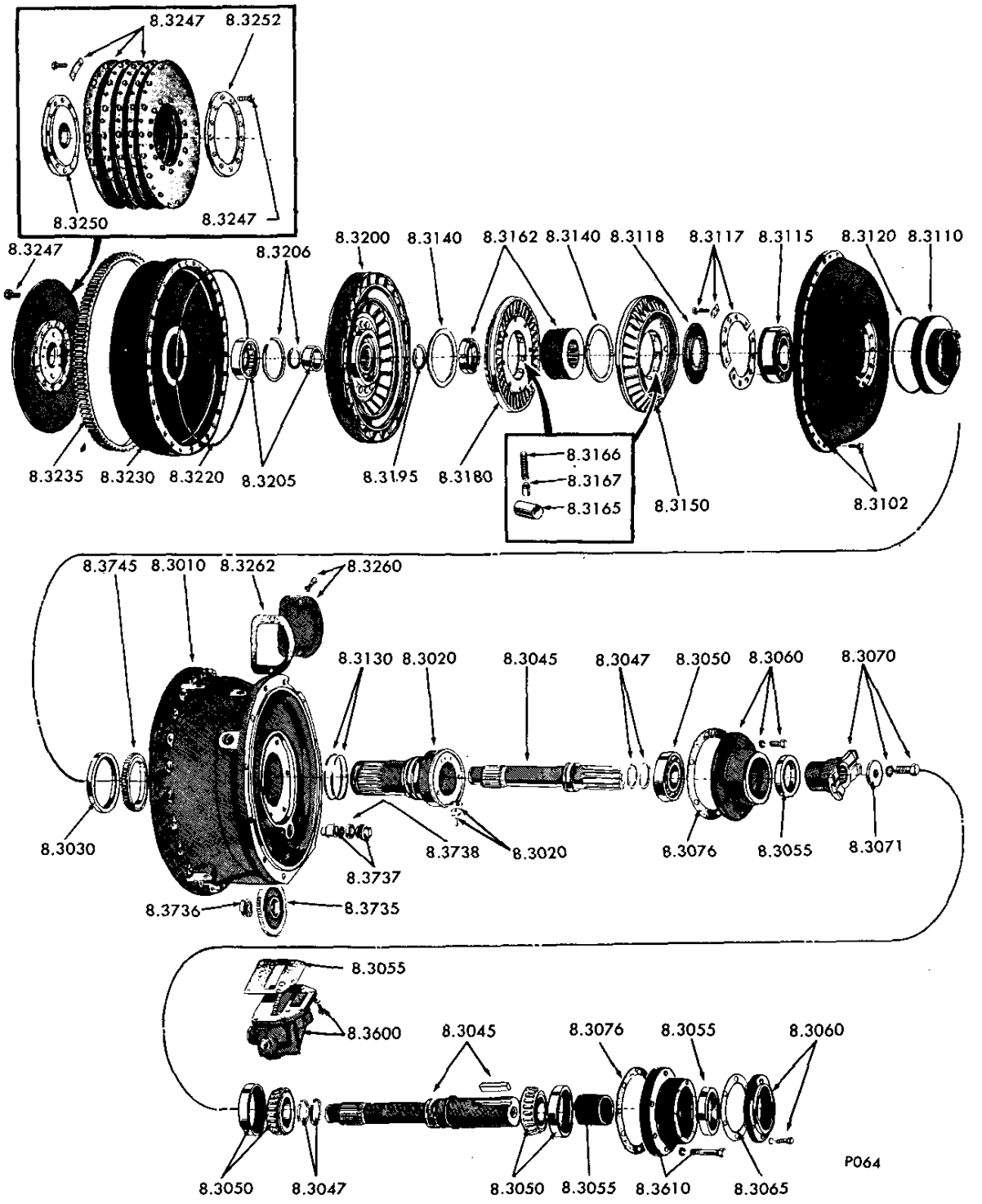

FIGS. 3A & 3B TORQUE CONVERTER
(T/C 500 Series)

Figs. 3A & 3B of 8.0000

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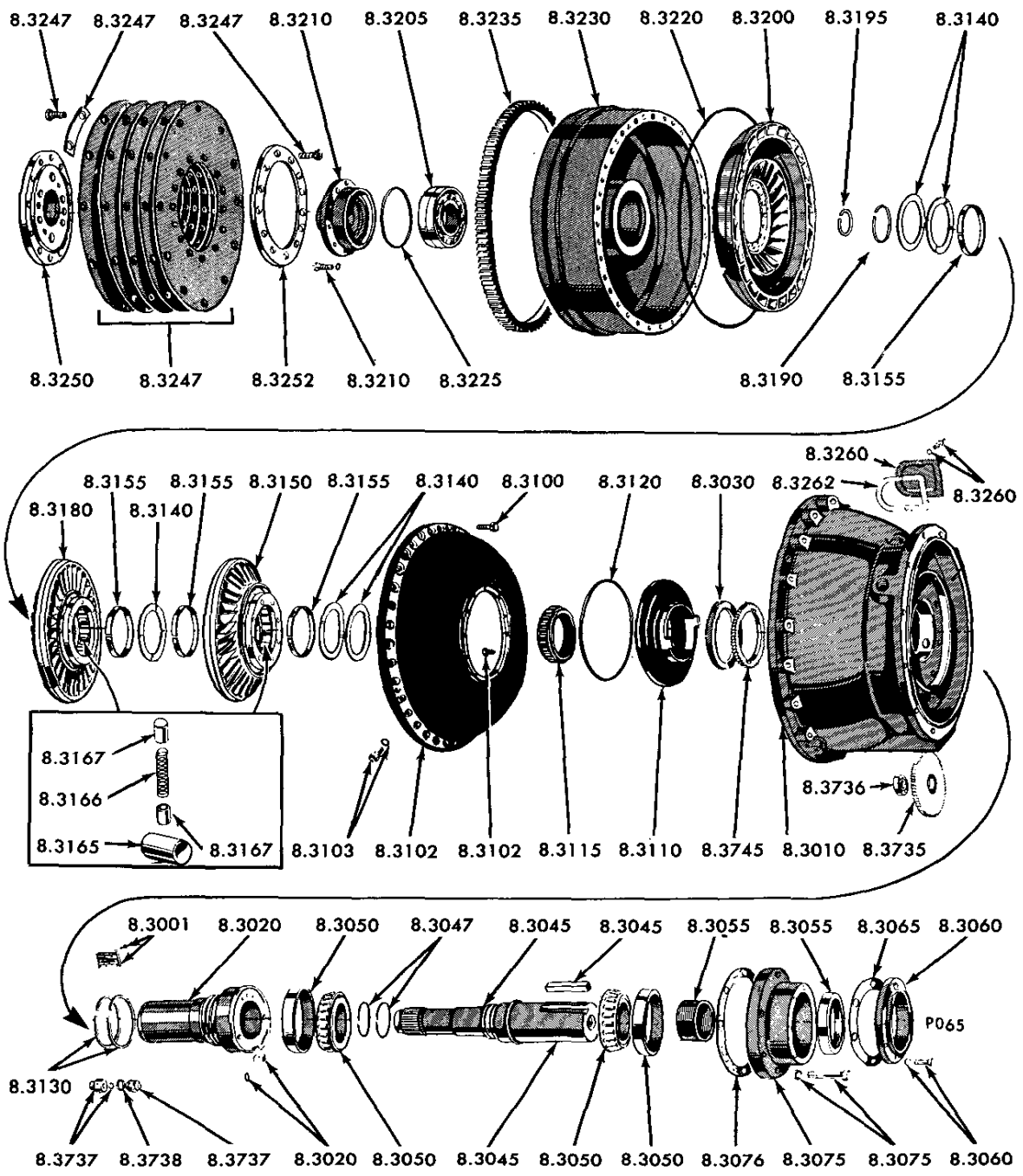

FIG. 3C TORQUE CONVERTER
(T/C 800 and 900 Series)

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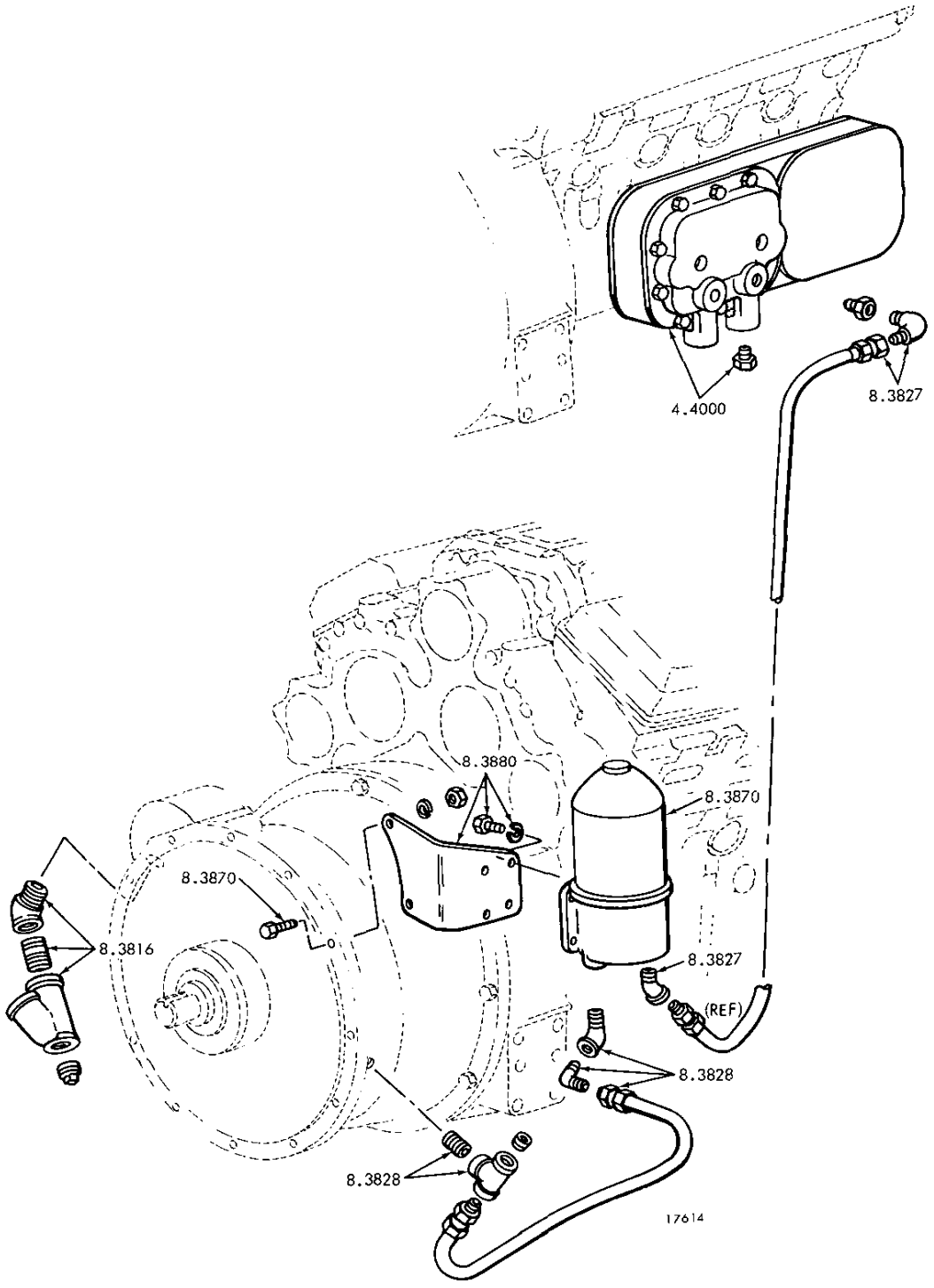

FIG. 3D TORQUE CONVERTER OIL LINES AND FILTER

FIG. 3D of 8.0000

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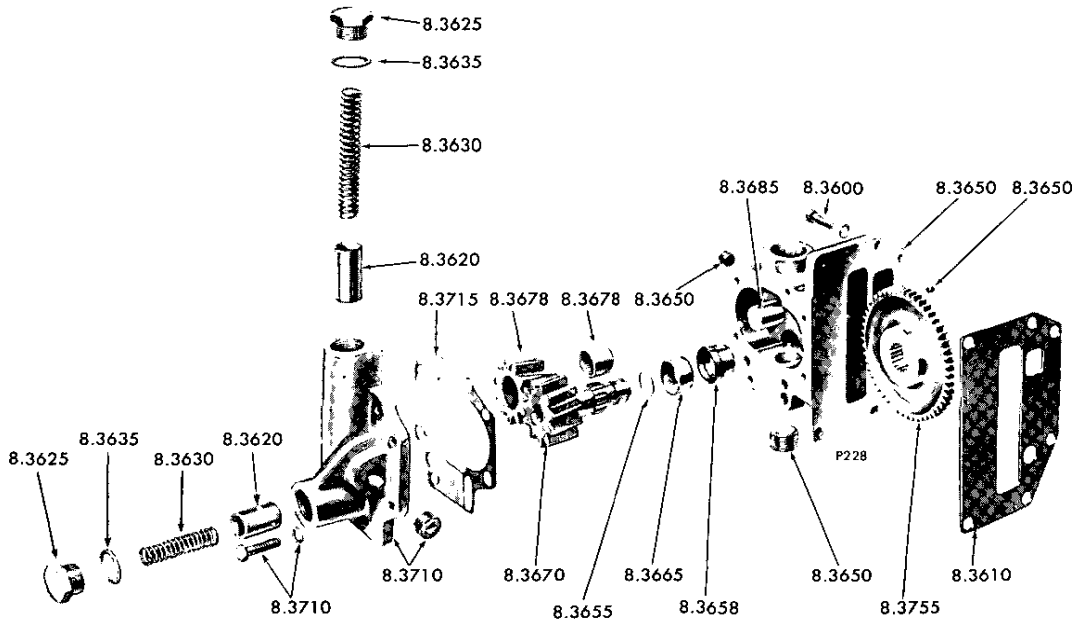

FIG. 4A TORQUE CONVERTER PRESSURE PUMP

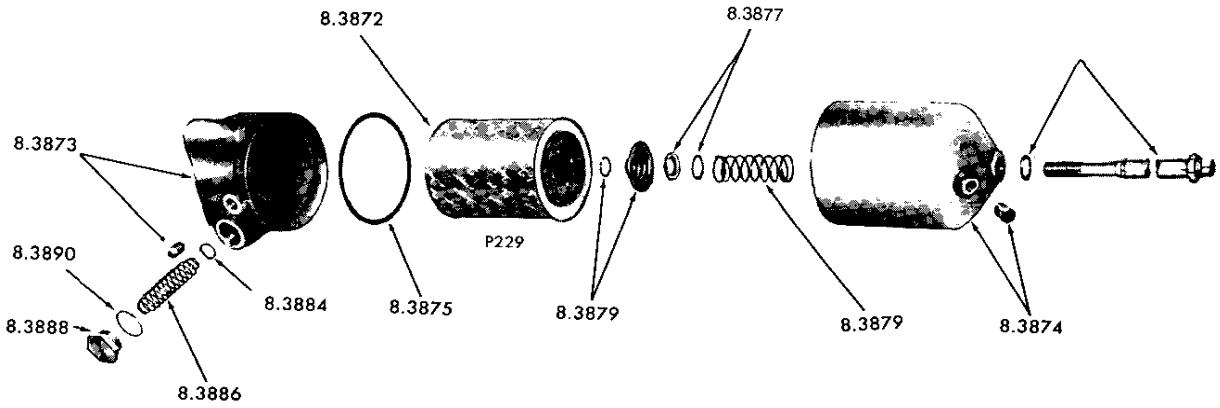

FIG. 4B TORQUE CONVERTER OIL FILTER

Figs. 4A & 4B of 8.0000

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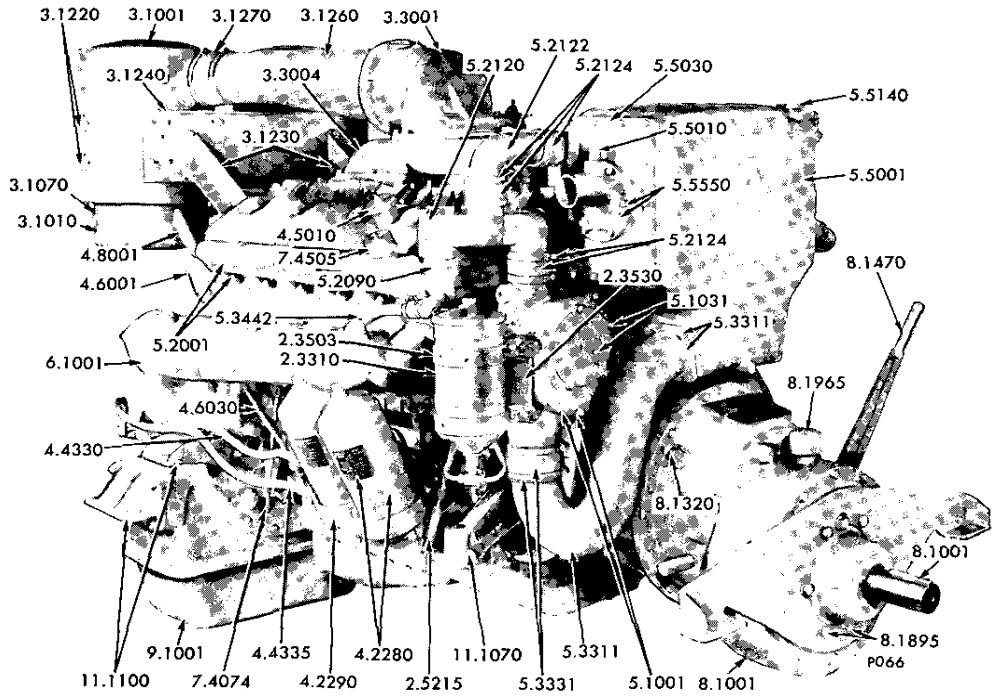

FIG. 10A

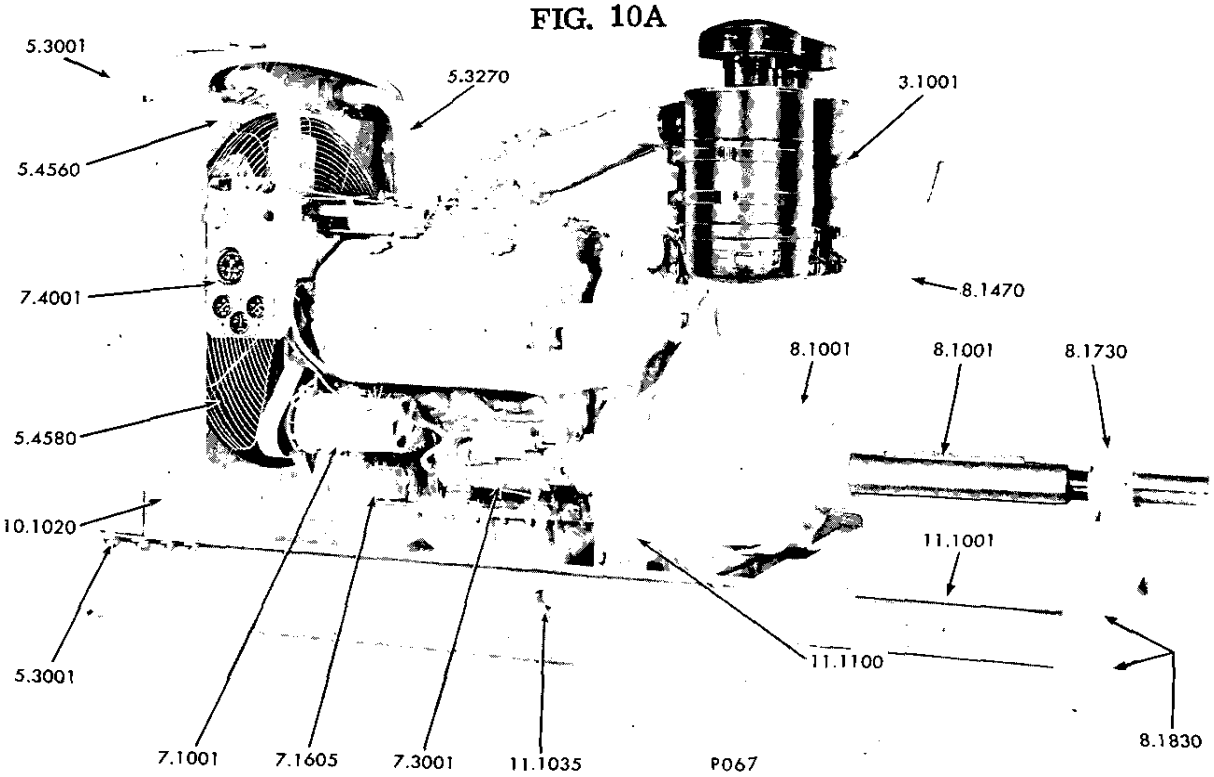

FIG. 10B

FIGS. 10A & 10B of 8.0000

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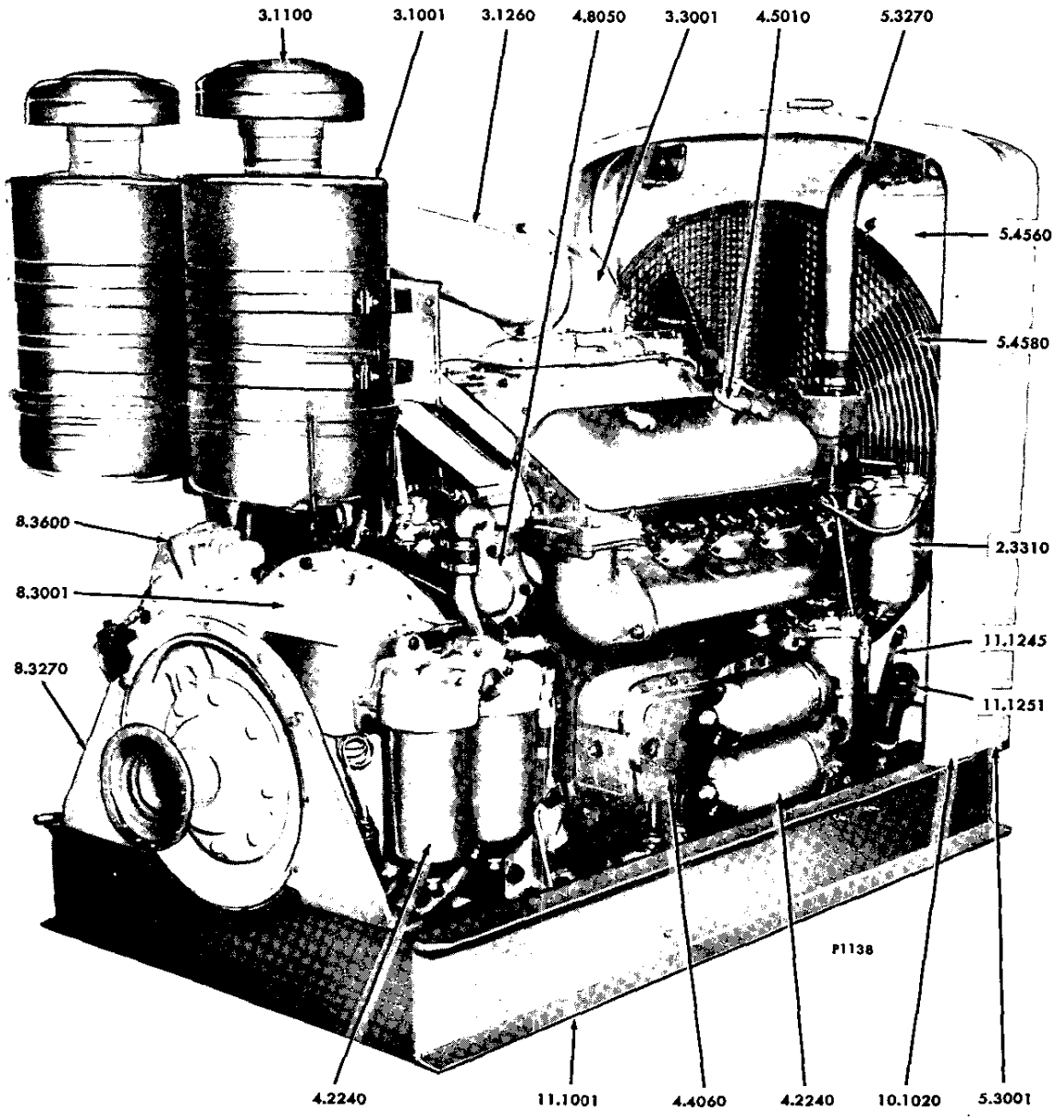

TYPICAL RADIATOR COOLED TORQUE CONVERTER UNIT

Fig. 10C of 8.0000

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 129	183	184	185	186	188	192	193	197	198	199	200
		8.1001 - POWER TAKE-OFF ASSY.												
		▪ FOR TYPE 174 REFER TO FLYWHEEL 1.4000A TYPES 392 OR 410 ▪												
		▪ FOR TYPE 172 USE TYPE 338 ▪												
		A POWER TAKE-OFF ASSY. INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1455 AND 8.1470 THRU 8.1700 LESS BEARINGS IN 8.1450 EXCEPT PTO MARKED #.												
10B	**5189516**	* POWER TAKE-OFF ASSY. SAE #1	1											
10B	**5136547**	@ POWER TAKE-OFF ASSY. SAE #1	1											
	5185573	& POWER TAKE-OFF ASSY. SAE #3		1	1									
	5132206	POWER TAKE-OFF ASSY. SAE #3 (5143770)		1	1									
10A	**5132183**	& POWER TAKE-OFF ASSY. SAE #3				1	1							
10A	**5138822**	POWER TAKE-OFF ASSY. SAE #3				1	1							
	5124173	* POWER TAKE-OFF ASSY. SAE #1						1						
	5136549	@ % POWER TAKE-OFF ASSY. SAE #1 (5136550) SIDE LOAD						1						
	5115882	POWER TAKE-OFF ASSY. SAE #1/2							1					
	5115884	POWER TAKE-OFF ASSY. SAE #1/2 SIDE LOAD								1		1		
	5189517	* POWER TAKE-OFF ASSY. SAE #1									1			
	5136551	@ POWER TAKE-OFF ASSY. SAE #1									1			
	5123724	# & POWER TAKE-OFF ASSY. SAE #1											1	
	5133070	# POWER TAKE-OFF ASSY. SAE #1/2											1	
	5126593	# & POWER TAKE-OFF ASSY. SAE #1/2												1
	5133071	# POWER TAKE-OFF ASSY. SAE #1/2												1
1B	**5192488**	KEY (PTO PULLEY) (1/2"X1/2"X5")		1	1									
10A	**5193072**	KEY (PTO PULLEY) (5/8"X5/8"X3 1/4")					1							
1F	**5192341**	KEY (PTO PULLEY) (3/4"X3/4"X5")									1			
1D	**5192127**	KEY (PTO PULLEY) (3/4"X3/4"X7 1/2")	1					1						
1D,B	**5193785**	KEY (PTO PULLEY) (1"X1"X8 1/2")							1	1		1	1	1
	5184950	SHIM (.005") (11.1073)											AR	AR
	5184949	SHIM (.015") (11.1073)											AR	AR
	5188113	SHIM (.062") (11.1080)											AR	AR
	121208	NIPPLE, 1/2"X1" CLOSE (12.9560)											1	1
	140813	COUPLING, 1/2" PIPE (12.9580)											1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			12		12							
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		12		12								
1B,C	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)				8								
1B,C	**186612**	BOLT, 3/8"-16X1 3/4" (12.9001)		6	6		6							
1D	**180147**	BOLT, 7/16"-14X1 1/4" (12.9001)	12					12			12			
1D	**180176**	BOLT, 1/2"-13X1 3/8" (12.9001)	8					8			8			
1B,D	**186725**	BOLT, 1/2"-13X1 1/2" (12.9001)							12	12		12		
	179887	BOLT, 1/2"-13X1 3/4" (12.9001)											12	12
	271584	BOLT, 5/8"-18X1 5/8" (12.9001)									2			
	426449	BOLT, 5/8"-11X1 5/8" (12.9001)								6		6	6	6
1B,D	**271562**	BOLT, 5/8"-11X2" (12.9001)							6					

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 129	183	184	185	186	188	192	193	197	198	199	200
		8.1001 - POWER TAKE-OFF ASSY. (CONT'D)												
	271637	BOLT, 3/4"-16X2 3/4" (12.9001)											2	2
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR							
	103322	LOCKWASHER, 7/16" (12.9200)	AR					AR			AR			
1B,D	**103323**	LOCKWASHER, 1/2" (12.9200)	AR					AR	AR	AR	AR	AR	AR	AR
1B,D	**103325**	LOCKWASHER, 5/8" (12.9200)							AR	AR	AR	AR	AR	AR
	103326	LOCKWASHER, 3/4" (12.9200)											2	2
		* THRU 6VA-29240, 8VA-23789 NOT SERVICED, COMPONENTS ARE AVAILABLE.												
		@ EFFECTIVE WITH 6VA-29242, 8VA-23790.												
		& ASSY. NOT SERVICED; FOR COMPLETE REPLACEMENT USE SECOND POWER TAKE-OFF ASSY. SHOWN IN THE SAME TYPE OR REFER TO CHART PAGE 1 OF 8.1000A.												
		% NOT SERVICED, USE ASSY. SHOWN IN PARENTHESES OR REFER TO CHART.												
		# *NOT SERVICED, COMPONENTS OF* POWER TAKE-OFF ASSY. SERVICED BY COTTA TRANSMISSION CO., ROCKFORD, ILLINOIS.COMPONENTS OF CLUTCH ASSY. AND RELATED PARTS LISTED, WHICH ARE NOT PART OF THE POWER TAKE-OFF ASSY., ARE SE RVICED BY DDAD.												
		8.1010 - HOUSING, CLUTCH												
1D	**5192112**	HOUSING	1											
1B	**5192486**	HOUSING		1	1									
1C	**5193052**	HOUSING				1	1							
1B	**5196300**	HOUSING						1						
1D	**5195465**	HOUSING							1					
1B	**5195467**	HOUSING								1		1		
1F	**5192329**	HOUSING									1			
	145692	FITTING, 1/4" LUBE (12.9540)		2	2									
	191758	FITTING, 1/8" LUBE (12.9540)							2	2				
		8.1013 - HOUSING, CLUTCH BEARING												
	5193777	HOUSING							1					
	5195468	HOUSING								1		1		
	191758	FITTING, 1/8" LUBE (12.9540)										2		
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)							6	6		6		
	103325	LOCKWASHER, 5/8" (12.9200)							6	6		6		

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 129	183	184	185	186	188	192	193	197	198	199	200
		8.1017 - CLUTCH ASSY.												
		SEE ASSEMBLY BREAKDOWN PAGES.												
	5197887	* CLUTCH ASSY. (8") (PAGE A1)		1	1									
	5197881	@ CLUTCH ASSY. (11 1/2") (PAGE A1)				1	1							
	5196869	# & CLUTCH ASSY. (14") (PAGE A1) (5198384)	1								1			
	5198384	% CLUTCH ASSY. (14") (PAGE A5)	1								1			
	5196876	# CLUTCH ASSY. (14") (PAGE A1)						1						
	5198385	% & CLUTCH ASSY. (14") (5198386) (PAGE A5)						1						
	5195429	CLUTCH ASSY. (18") (PAGE A1)							1					
	5195470	* & CLUTCH ASSY. (18") (5199277)								1		1	1	1
1B,F	**5192126**	KEY (1/2"X3/4"X3 1/2")	1								1			
1B	**5192489**	KEY (1/4"X1/4"X2")		1	1									
1C	**5193450**	KEY (3/8"X1/2"X2 1/4")				1	1							
1B	**5192841**	KEY (3/8"X1/2"X4 1/2")						1						
1B	**5194429**	KEY (5/8"X3/4"X5 1/4")										1	1	1
1B,D	**5195451**	KEY (3/4"X5/8"X3 3/4")							1	1				
		* NOT SERVICED-COMPONENTS AVAILABLE: FOR COMPLETE REPLACEMENT USE 5198993.												
		@ REPLACE WITH 5197312 ON FRONT MOUNTED POWER TAKE-OFF ASSY.												
		# THRU 6VA-29241, 8VA-23789 NOT SERVICED.												
		& NOT SERVICED USE ASSY. SHOWN IN PARENTHESES.												
		% EFFECTIVE WITH 6VA-29242, 8VA-23790.												
		8.1018 - RING, CLUTCH DRIVING												
1D,1F	**5192128**	RING (14")	1								1			
1B	**5192358**	RING (8")		1	1									
1C	**5192163**	RING (11 1/2")				1	1							
1B	**5192832**	RING (14")						1						
1D,F	**5193788**	RING (18")							1					
1B	**5194428**	RING (18")								1		1	1	1
		8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE												
1B,D	**5199835**	COVER	1					1	1	1	1	1		
1B,D	**5199882**	COVER		1	1	1	1							
1B,C	**131375**	SCREW, 1/4"-20X3/8"RD. HD. SL. (12.9025)	2	2	2	2	2	2	2	2	2	2		

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 129	183	184	185	186	188	192	193	197	198	199	200
		8.1070 - GASKET, CLUTCH HOUSING INSPECTION HOLE COVER												
1B,D	**5192416**	GASKET	1					1	1	1	1	1		
1B,C	**5192415**	GASKET		1	1	1	1							
		8.1101 - KIT, CLUTCH SPRING												
		INCLUDES SPRING IN 8.1100, PIN, RING AND WASHER IN 8.1142.												
	5198299	KIT	1					1			1			
		8.1270 - SHAFT, CLUTCH RELEASE												
1B,C	**5192251**	SHAFT	1	1	1	1	1	1			1			
1B,D	**5193782**	SHAFT							1	1		1	1	1
		8.1275 - YOKE, CLUTCH RELEASE												
		A YOKE ASSY. INCLUDES BOLT AND LOCK- WASHER IN 8.1275.												
1B,C	**5192117**	YOKE ASSY.	1					1			1			
1B,C	**5192150**	YOKE ASSY.		1	1	1	1							
1B,D	**5193773**	YOKE ASSY.							1	1		1	1	1
1B,C	**113782**	KEY, 1/4"X1" WOODRUFF (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2
1B,C	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
1B,C	**103321**	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		8.1320 - HOSE, CLUTCH RELEASE BEARING												
1B,D	**5192296**	HOSE (FLEX.) (3/16"I.D.X7 5/8")	1	1	1	1	1	1			1			
	191758	* FITTING, 1/8" LUBE (12.9540)	2					2			2			
	105526	* FITTING, 1/8" LUBE (12.9540)		1	1	1	1							
	122366	NUT, 5/8"-18 THIN HEX. (12.9120)	1	1	1	1	1	1			1			
		* OPTIONAL USAGE.												
		8.1450 - BEARING, CLUTCH PILOT												
1A	**907302**	BEARING (N.D. 3305) (1.4040)		1	1									
1A	**907594**	BEARING (N.D. 99606X1C) (1.4040)				1	1							
1A	**7451462**	BEARING (HYATT #A-1526 W.B.) (1.4040)							1	1		1		
	5162780	SEAL, GREASE (1.4042)							1	1		1		

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 129	183	184	185	186	188	192	193	197	198	199	200
		8.1455 - FITTING, CLUTCH PILOT BEARING GREASE												
	191758	FITTING, 1/8" LUBE (12.9540)		1	1									
		8.1460 - RETAINER, CLUTCH PILOT BEARING												
1A	5167276	RETAINER		1	1									
		8.1470 - LEVER ASSY., CLUTCH HAND CONTROL												
		A LEVER ASSY. INCLUDES ITEMS IN 8.1470.												
1B,D	5192119	LEVER ASSY.	1					1			1			
1B,D	5196641	LEVER ASSY.							1	1		1	1	1
1B,C	3290211	LEVER		1	1	1	1							
1B,D	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	1					1	1	1		1	1	1
1B,C	186646	BOLT, 1/2"-13X1 3/4" (12.9001)		1	1	1	1				1			
1B,D	103321	LOCKWASHER, 3/8" (12.9200)	1					1	1	1		1	1	1
1B,C	103323	LOCKWASHER, 1/2" (12.9200)		1	1	1	1				1			
		8.1670 - SHAFT, CLUTCH DRIVE												
1A	5194579	SHAFT (24 11/16"L.)	1											
1B	5192487	SHAFT (16 15/16"L.)		1	1									
1C	5193056	SHAFT (13 3/16"L.)				1	1							
1B	5194572	SHAFT (26 1/16"L.)						1						
D	5195464	SHAFT (29 7/16"L.)							1					
B	5195469	SHAFT (29 7/16"L.)								1		1		
1F	5194571	SHAFT (21 7/64"L.)									1			
1A	5192125	LOCKWASHER	1					1			1			
1B	5192491	LOCKWASHER		1	1									
1C	5192154	LOCKWASHER				1	1							
1B	5192840	LOCKWASHER						1						
1B,D	5194259	LOCKWASHER							1	1		1	1	1
1F	5192340	LOCKWASHER									1			
1B	5192490	NUT		1	1									
1C	5192153	NUT				1	1							
1B,D	5193778	NUT							1	1		1	1	1
1B	5192124	NUT	1					1			1			
		8.1680 - BEARING, CLUTCH DRIVE SHAFT												
1C,F	954363	BEARING (N.D. 45309)				1	1				1			
1F	954353	BEARING (N.D. 45314)									1			
1B,D	457323	CUP, BEARING	2					2						
1B	432777	CUP, BEARING		2	2									

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 129	183	184	185	186	188	192	193	197	198	199	200
		8.1680 - BEARING, CLUTCH DRIVE SHAFT (CONT'D)												
1B,D	107364	CUP, BEARING							2	2		2		
1B,D	457325	CONE, BEARING	2					2						
1B	443858	CONE, BEARING		2	2									
1B,D	455474	CONE, BEARING							2	2		2		
		8.1685 - FITTING, CLUTCH DRIVE SHAFT BEARING GREASE												
1C	105526	# FITTING, 1/8" LUBE (12.9540)		1	1	1	1							
1C	191758	# FITTING, 1/8" LUBE (12.9540)		1	1	1	1							
		# OPTIONAL USAGE.												
		8.1686 - SEAL, CLUTCH DRIVE SHAFT BEARING GREASE												
1C	5193122	SEAL				1	1							
1F	5194955	SEAL									1			
		8.1690 - RETAINER, CLUTCH DRIVE SHAFT BEARING												
1D	5192115	RETAINER	1											
1B	5193251	RETAINER		1	1									
1B	5192838	RETAINER						1						
1B,D	5193776	RETAINER							1	1		1		
		8.1700 - LOCK, CLUTCH DRIVE SHAFT BEARING RETAINER												
1B,D	3223379	PLATE, LOCK	1					1	1	1		1		
1B,D	5196444	PLATE, LOCK		1	1									
1B,D	179812	BOLT, 5/16"-18X1 1/2" (12.9001)	1	1	1			1	1	1		1		
1B,C	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1			1	1	1		1		
		8.1895 - SUPPORT, POWER TAKE-OFF												
10A	5171150	SUPPORT				1								
10A	5183176	BRACKET					1							
	5123271	SUPPORT (L.H.)						1	1	1				
	5123272	SUPPORT (R.H.)						1	1	1				
	5125819	SUPPORT									2			
	5124145	SUPPORT (L.H.)										1		
	5124146	SUPPORT (R.H.)										1		
	5128799	@ SUPPORT											2	2

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 129	183	184	185	186	188	192	193	197	198	199	200
		8.1895 - SUPPORT, POWER TAKE-OFF (CONT'D)												
	5123463	SHIM (.005")						AR	AR	AR		AR		
	5186663	SHIM (.005")									AR			
	5186664	SHIM (.010")									AR			
	5123464	SHIM (.031")						AR	AR	AR		AR		
	5177445	SHIM (.031")									AR			
	5123465	SHIM (.062")						AR	AR	AR		AR		
	5177446	SHIM (.062")									AR			
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)				6	6							
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)											6	6
	186689	BOLT, 1/2"-13X2" (12.9001)									6		6	6
	181429	BOLT, 1/2"-20X1 1/4" (12.9001)									6			
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)											6	6
	181435	BOLT, 1/2"-20X2" (12.9001)						6						
	181436	BOLT, 1/2"-20X2 1/4" (12.9001)							6	6		6		
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)						6						
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)							6	6	6	6		
	5167615	WASHER (1/2" BEVEL) (11.1073)						6	6	6		6		
	103323	LOCKWASHER, 1/2" (12.9200)				AR	AR	AR	AR	AR	AR	AR	AR	AR
	103325	LOCKWASHER, 5/8" (12.9200)						6						
	103028	NUT, 1/2"-20 HEX. (12.9120)						6	6	6	6	6	6	6
		@ OBSOLETE.												
		8.1900 - HOUSING, POWER TAKE-OFF ADAPTOR												
1A,#	**5117491**	HOUSING			1		1							
1A	**5133433**	ADAPTOR ASSY. (INCLUDES PINS IN 8.1900)		1		1								
	5151576	PIN, DOWEL (1.1001)		2		2								
1A	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)		2		2								
1A	**179848**	BOLT, 3/8"-16X2 1/4" (12.9001)			2		2							
1A	**9409914**	BOLT (3/8"-16X4 3/4") (12.9001)		2		2								
1A	**190770**	BOLT, 1/2"-13X3 1/4" (12.9001)			6		6							
1A	**190256**	BOLT, 1/2"-13X4 1/2" (12.9001)		4		4								
	103321	LOCKWASHER, 3/8" (12.9200)		4	2	4	2							
	103323	LOCKWASHER, 1/2" (12.9200)		4	6	4	6							
		# FIG. 10A OF 5.0000.												
		8.1901 - GASKET, POWER TAKE-OFF ADAPTOR HOUSING												
1A	**5121714**	GASKET (1.3170)			1		1							
		8.1902 - SEAL, POWER TAKE-OFF ADAPTOR HOUSING OIL												
1A	**5115454**	SEAL (1.3040)			1		1							

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 129	183	184	185	186	188	192	193	197	198	199	200
		8.1905 - ADAPTOR, POWER TAKE-OFF TO CLUTCH												
1A	**5167265**	ADAPTOR (9.1540)		1	1									
1A	**5167291**	ADAPTOR				1	1							
	5157244	BOLT (1 3/4" L.) (4.4190)		6	6	6	6							
	103321	LOCKWASHER, 3/8" (12.9200)		6	6	6	6							
		8.1910 - COUPLING ASSY., POWER TAKE-OFF												
1A	**5167273**	COUPLING		1	1	1	1							
1A	**117982**	KEY, 3/8"X1 1/4" WOODRUFF (12.9350)		2	2	2	2							
1A	**5153623**	BOLT (1.3290)		1	1	1	1							
1A	**5157930**	WASHER (1.3290)		1	1	1	1							
		8.1920 - HOUSING, REDUCTION GEAR												
1C	**5193053**	HOUSING				1	1							
1F	**5192330**	HOUSING									1			
1F	**5192346**	SPANNER (LOCK)				4	4				4			
1F	**5192338**	PLUG (DIPSTICK HOLE)									1			
1C	**5145014**	PLUG, 3/8" PIPE (12.9550)				1	1							
1C	**5142549**	PLUG, 3/4" PIPE (12.9550)				1	1				1			
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)				6	6							
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)									8			
	115553	LOCKWASHER, 5/8" INT. TOOTH (12.9220)				6	6							
		8.1922 - GASKET, REDUCTION GEAR HOUSING												
1C	**5193054**	GASKET				1	1							
1F	**5192335**	GASKET									1			
		8.1925 - PLATE, REDUCTION GEAR COVER												
1C	**5193061**	COVER				1	1							
1F	**5192332**	COVER (BEARING AND RETAINER)									1			
1C	**103381**	PLUG, 3/4" PIPE (12.9550)				1	1							
1C	**179839**	BOLT, 3/8"-16X1" (12.9001)				8	8							
1F	**186646**	* BOLT, 1/2"-13X1 3/4" (12.9001)									8			
1C	**115549**	LOCKWASHER, 3/8" INT. TOOTH (12.9220)				8	8							
	103323	LOCKWASHER, 1/2" (12.9200)									9			
		* THESE BOLTS MAY BE REPLACED WHEN A SUPPORT IS USED-SEE 8.1895.												
		8.1926 - GASKET, REDUCTION GEAR COVER PLATE												
1C	**5193062**	GASKET				1	1							
1F	**5192333**	GASKET									1			

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 129	183	184	185	186	188	192	193	197	198	199	200
		8.1928 - GEAR, REDUCTION GEAR DRIVE												
1C	5193057	GEAR (20 TEETH)				1	1							
1F	5193322	GEAR (25 TEETH)									1			
1C	5196635	KEY (3/8"X3/8"X1 1/2")				1	1							
1C	5196445	WASHER				1	1							
1C	5192125	LOCKWASHER, (8.1670)									1			
1C	5192153	NUT				1	1							
	5192124	NUT (8.1670)									1			
		8.1930 - GEAR, REDUCTION GEAR DRIVEN												
		A GEAR ASSY. INCLUDES GEAR IN 8.1930 PLUS ITEMS IN 8.1933.												
1C	5195408	GEAR ASSY.				1	1							
1C	5195247	GEAR (59 TEETH)				1	1							
1F	5193323	GEAR (44 TEETH)									1			
1C	5193072	KEY (5/8"X5/8"X3 1/4") (8.1935)				1	1							
1F	5195446	KEY (3/4"X3/4"X4")									1			
1C	5195404	SCREW SET (1/2"-13X3/4") (8.1933)				1	1							
		8.1933 - HUB, INTERNAL DRIVEN GEAR												
1C	5195406	HUB				1	1							
1C	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				8	8							
1C	103321	LOCKWASHER, 3/8" (12.9200)				8	8							
		8.1935 - SHAFT, REDUCTION GEAR												
1C	5195407	SHAFT				1	1							
1F	5192328	SHAFT									1			
1C	5195444	KEY (1/2"X1/2"X3") (8.1928)				1	1				1			
		8.1940 - BEARING, REDUCTION GEAR SHAFT PILOT												
1C	905307	BEARING (N.D. 5307X1A)				1	1							
1F	905312	BEARING (N.D. 5312X1A) (9.1350)									1			
		8.1941 - RING, REDUCTION GEAR SHAFT PILOT												
1F	5192337	RING, SNAP									1			
		8.1945 - BEARING, REDUCTION GEAR SHAFT												
1C	905311	BEARING (N.D. 5311X1A)				1	1							
1F	905316	BEARING (N.D. 5316X1A)									1			

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 129	183	184	185	186	188	192	193	197	198	199	200
		8.1950 - SEAL, REDUCTION GEAR SHAFT OIL												
1C	81370	SEAL				1	1							
1F	5194959	SEAL									1			
		8.1960 - DIPSTICK, REDUCTION GEAR												
1C,F	5195405	DIPSTICK				1	1				1			
		8.1965 - BREATHER, REDUCTION GEAR												
1C,F	5193090	PIPE (9.1410)				1	1				1			
1C,F	1528732	CAP				1	1				1			
		8.1974 - FILTER ASSY., POWER TAKE-OFF (FULL FLOW)												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
	5196393	FILTER ASSY. (9.3650)											1	1
	5573162	DECAL (4.2280)											1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											4	4
	103321	LOCKWASHER, 3/8" (12.9200)											4	4
		8.1990 - TUBE, OIL FILTER												
	5126739	HOSE, FLEXIBLE (34") (PUMP TO FILTER)											1	1
	5126738	HOSE, FLEXIBLE (16") (FILTER TO PTO)											1	1
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)											3	3
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)											2	2
		8.1992 - CLIP, OIL FILTER HOSE												
	5177001	CLIP (8.3801)											1	1

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	207	209	210	217	218	222	224	225	229
		8.1001 - POWER TAKE-OFF ASSY.												
		A POWER TAKE-OFF ASSY. INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1455 AND 8.1470 THRU 8.1700 LESS BEARINGS IN 8.1450 EXCEPT PTO MARKED #.												
	NPN	POWER TAKE-OFF ASSY. (CUSTOMER FURNISHED)								1			1	
	5123724	# * POWER TAKE-OFF ASSY. SAE #1							1					
	5126594	# + POWER TAKE-OFF ASSY. SAE #1/2	1								1			
	5133072	# POWER TAKE-OFF ASSY. SAE #1/2	1								1			
	5115794	POWER TAKE-OFF ASSY. SAE #1/2		1										
	5185574	* POWER TAKE-OFF ASSY. SAE #3			1									
	5138821	POWER TAKE-OFF ASSY. SAE #3			1									
10B	5189515	@ POWER TAKE-OFF ASSY. SAE #1				1								
10B	5136548	& POWER TAKE-OFF ASSY. SAE #1				1								
	5115885	POWER TAKE-OFF ASSY. SAE #1/2					1							
	5115883	POWER TAKE-OFF ASSY. SAE #1/2						1						
10B	5108510	POWER TAKE-OFF ASSY. SAE #1/2										1		
	5192156	KEY (PTO PULLEY) (5/8"X5/8"X5 1/4")			1									
10B	5192216	KEY (PTO PULLEY) (3/4"X3/4"X13 1/2")				1								
1B	5195448	KEY (PTO PULLEY) (7/8"X7/8"X5")		1										
1D,B	5193785	KEY (PTO PULLEY) (1"X1"X8 1/2")	1						1		1	1		
	5193784	KEY (PTO PULLEY) (1"X1"X13")					1	1						
	5184950	SHIM (.005") (11.1073)	AR						AR		AR			
	5186663	SHIM (.005") (11.1080)		AR										
	5186664	SHIM (.010") (11.1080)		AR										
	5184949	SHIM (.015") (11.1073)	AR						AR		AR			
	5177445	SHIM (.031") (11.1073)		AR										
	5188113	SHIM (.062") (11.1080)	AR						AR		AR			
	5177446	SHIM (.062") (11.1073)		AR										
	121208	NIPPLE, 1/2"X1" CLOSE (12.9560)	1						1		1			
	140813	COUPLING, 1/2" PIPE (12.9580)	1						1		1			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			12									
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)			8									
1D	180147	BOLT, 7/16"-14X1 1/4" (12.9001)				12								
1D	180176	BOLT, 1/2"-13X1 3/8" (12.9001)				8								
1B,D	186725	BOLT, 1/2"-13X1 1/2" (12.9001)		12			12	12				12		
	179887	BOLT, 1/2"-13X1 3/4" (12.9001)		12					12		12			
	271584	BOLT, 5/8"-18X1 5/8" (12.9001)		2										
	426449	BOLT, 5/8"-11X1 5/8" (12.9001)					6	6	6		6	6		
1B,D	271562	BOLT, 5/8"-11X2" (12.9001)	6	6										
	100080	BOLT, 5/8"-18X3" (12.9001)	2								2			
	271637	BOLT, 3/4"-16X2 3/4" (12.9001)							2					
	103345	WASHER, 5/8" FLAT (12.9190)	2								2			
	103321	LOCKWASHER, 3/8" (12.9200)			AR									
	103322	LOCKWASHER, 7/16" (12.9200)				AR								
1B,D	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR		AR	AR	AR	AR		AR	AR		
1B,D	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR			AR	AR	AR		AR	AR		

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	207	209	210	217	218	222	224	225	229
		8.1001 - POWER TAKE-OFF ASSY. (CONT'D)												
	103326	LOCKWASHER, 3/4" (12.9200)							2					
		# NOT SERVICED, COMPONENTS OF POWER TAKE-OFF ASSY. SERVICED BY COTTA TRANSMISSION CO., ROCKFORD, ILLINOIS.COMPONENTS OF CLUTCH ASSY. AND RELATED PARTS LISTED, WHICH ARE NOT PART OF THE POWER TAKE-OFF ASSY., ARE SERVICED BY DDAD.												
		* ASSY. NOT SERVICED; FOR COMPLETE REPLACEMENT USE SECOND POWER TAKE-OFF ASSY. SHOWN IN THE SAME TYPE OR REFER TO CHART PAGE 1 OF 8.1000A.												
		@ THRU 6VA-29240. 8VA-23789 NOT SERVICED, COMPONENTS ARE AVAILABLE.												
		& EFFECTIVE WITH 6VA-29242, 8VA-23790.												
		+ NOT SERVICED, USE 5104727 PLUS (1) 7451462 AND (1) 5162780.												
		8.1010 - HOUSING, CLUTCH												
1D	5192112	HOUSING				1								
1D	5195465	HOUSING						1						
1B	5195467	HOUSING					1					1		
1F	5195437	HOUSING		1										
1C	5192638	HOUSING			1									
1E	5128389	HOUSING												1
	145692	FITTING, 1/4" LUBE (12.9540)					2	2				2		
	191758	FITTING, 1/8" LUBE (12.9540)		2	2	2	2	2				2		
	5196519	PLUG, 1/8" PIPE (12.9550)			1									
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)												12
	103323	LOCKWASHER, 1/2" (12.9200)												12
		8.1013 - HOUSING, CLUTCH BEARING												
	5193777	HOUSING						1						
	5195468	HOUSING					1					1		
	191758	FITTING, 1/8" LUBE (12.9540)					2	2						
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)					6	6				6		
	103325	LOCKWASHER, 5/8" (12.9200)					6	6				6		
		8.1017 - CLUTCH ASSY.												
		SEE ASSEMBLY BREAKDOWN PAGES.												
	5197881	* CLUTCH ASSY. (11 1/2") (PAGE A1)			1									
	5196869	@ & CLUTCH ASSY. (14") (PAGE A1) (5198384)				1								

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	207	209	210	217	218	222	224	225	229
		8.1017 - CLUTCH ASSY. (CONT'D)												
	5198142	CLUTCH ASSY. (17") (PAGE A1)												1
	5195429	CLUTCH ASSY. (18") (PAGE A1)		1				1						
	5195470	& CLUTCH ASSY. (18") (5199277)	1				1		1		1			
	5196926	CLUTCH ASSY. (18") (FERAMIC, DOUBLE PLATE)										1		
1B,F	5192126	KEY (1/2"X3/4"X3 1/2")				1								
1C	5193450	KEY (3/8"X1/2"X2 1/4")			1									
1B	5194429	KEY (5/8"X3/4"X5 1/4")	1				1		1		1	1		
1B,D	5195451	KEY (3/4"X5/8"X3 3/4")		1				1						
	186689	BOLT, 1/2"-13X2" (12.9001)												9
	103323	LOCKWASHER, 1/2" (12.9200)												9
		* REPLACE WITH 5197312 ON FRONT MOUNTED POWER TAKE-OFF ASSY.												
		@ THRU 6VA-29241, 8VA-23789 NOT SERVICED.												
		& NOT SERVICED, USE ASSY. SHOWN IN PARENTHESES.												
		8.1018 - RING, CLUTCH DRIVING												
1D,1F	5192128	RING (14")				1								
1C	5192163	RING (11 1/2")			1									
1D,F	5193788	RING (18")		1				1						
1B	5194428	RING (18")	1				1		1		1	1		
		8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE												
1B,D	5199835	COVER		1		1								
1B,D	5199882	COVER			1									
	5128390	COVER												1
1B,C	131375	SCREW, 1/4"-20X3/8" RD. HD. SL. (12.9025)		2	2	2	2	2				2		
1E	5148436	BOLT, 5/16"-18X3/4" WITH LOCKWASHER (12.9001)												4
		8.1070 - GASKET, CLUTCH HOUSING INSPECTION HOLE COVER												°
1B,D	5192416	GASKET		1		1	1	1				1		
1B,C	5192415	GASKET			1									
		8.1101 - KIT, CLUTCH SPRING												
		INCLUDES SPRING IN 8.1100, PIN, RING AND WASHER IN 8.1142.												
	5198299	KIT				1								

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	207	209	210	217	218	222	224	225	229
		8.1270 - SHAFT, CLUTCH RELEASE												
1B,C	**5192251**	SHAFT			1	1								
1B,D	**5193782**	SHAFT	1	1			1	1	1		1	1		
	5128814	SHAFT												1
	271285	FITTING, 1/8"-90 DEG. LUB. (12.9540)												1
		8.1275 - YOKE, CLUTCH RELEASE												
		A YOKE ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1275.												
1B,C	**5192117**	YOKE ASSY.				1								
1B,C	**5192150**	YOKE ASSY.			1									
1B,D	**5193773**	YOKE ASSY.	1	1			1	1	1		1	1		
1E	**5128682**	YOKE												1
1B,C	**113782**	KEY, 1/4"X1" WOODRUFF (12.9350)	2	2	2	2	2	2	2		2	2		2
1B,C	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2	2	2	2		2	2		
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)												2
1B,C	**103321**	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2		2	2		2
		8.1320 - HOSE, CLUTCH RELEASE BEARING												
1B,D	**5192296**	HOSE (FLEX.) (3/16"I.D.X7 5/8")			1	1								
	5161543	* HOSE (FLEX.) (3/16"I.D.X8 13/16")												2
	105526	@ FITTING, 1/8" LUBE (12.9540)			1									
	271283	* FITTING, 1/8" LUBE (12.9540)												2
	103341	* WASHER, 3/8" (12.9190)												2
	122366	NUT, 5/8"-18 THIN HEX. (12.9120)			1									
		* THRU 12VA-12171, 1 EACH REQUIRED; EFFECTIVE WITH 12VA-12172, 2 EACH REQUIRED.												
		@ OPTIONAL USAGE.												
		8.1450 - BEARING, CLUTCH PILOT												
1A	**907594**	BEARING (N.D. 99606X1C) (1.4040)								1			1	
1A	**7451462**	BEARING (HYATT #A-1526 W.B.) (1.4040)		1										
1A	**907295**	BEARING (N.D. 55606)			1									
	5162780	SEAL, GREASE (1.4042)		1										
		8.1470 - LEVER ASSY., CLUTCH HAND CONTROL												
		A LEVER ASSY. INCLUDES ITEMS IN 8.1470.												
1B,D	**5192119**	LEVER ASSY.				1								

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	207	209	210	217	218	222	224	225	229
		8.1470 - LEVER ASSY., CLUTCH HAND CONTROL (CONT'D)												
1B,D	5196641	LEVER ASSY.	1	1			1	1	1		1	1		1
1B,C	3290211	LEVER			1									
1B,D	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	1	1		1	1	1	1		1	1		1
1B,C	186646	BOLT, 1/2"-13X1 3/4" (12.9001)			1									
1B,D	103321	LOCKWASHER, 3/8" (12.9200)	1	1		1	1	1	1		1	1		1
1B,C	103323	LOCKWASHER, 1/2" (12.9200)			1									
		8.1670 - SHAFT, CLUTCH DRIVE												
1B	5195469	SHAFT (29 7/16"L.)										1		
1F	5195438	SHAFT (22 21/64"L.)		1										
1C	5196518	SHAFT (19 5/8"L.)			1									
1A	5194580	SHAFT (40 15/16"L.)				1								
1E	5127889	SHAFT (12 19/64"L.)												1
1A	5195471	SHAFT (51 1/4"L.)					1							
1A	5195466	SHAFT (51 1/4"L.)						1						
	5195439	SLEEVE, RELEASE STOP (8.1285)		1										
	223088	SCREW, SET 3/8"-16X7/16" SKT. (12.9076)		3										
1A	5192125	LOCKWASHER		1		1								
1C	5192154	LOCKWASHER			1									
1B,D	5194259	LOCKWASHER	1				1	1	1		1	1		
1C	5192153	NUT			1									
1B,D	5193778	NUT	1				1	1	1		1	1		
1B	5192124	NUT		1		1								
		8.1680 - BEARING, CLUTCH DRIVE SHAFT												
1F	457262	BEARING		1										
	903647	* BEARING												1
	903626	@ BEARING												1
1B,D	457323	CUP, BEARING				2								
1B,D	107364	CUP, BEARING					2	2				2		
1C	142224	CUP, BEARING			2									
1B,D	457325	CONE, BEARING			2									
1B,D	455474	CONE, BEARING					2	2				2		
1C	443749	BEARING ASSY.			2									
		* THRU 12VA-12171.												
		@ EFFECTIVE WITH 12VA-12172 AND INCLUDE (1) EACH OF 5142512, 5161543, 271283 AND 103341.												
		8.1686 - SEAL, CLUTCH DRIVE SHAFT BEARING GREASE												
1F	5194958	SEAL		1										

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FIG	PART NUMBER		NAME AND DESCRIPTION	TYPES 201	202	203	207	209	210	217	218	222	224	225	229
			8.1690 - RETAINER, CLUTCH DRIVE SHAFT BEARING												
1D	5192115		RETAINER				1								
1B,D	5193776		RETAINER					1	1				1		
	5192149		RETAINER			1									
1E	5127888	*	RETAINER												1
	5142512	@	RETAINER												1
1E	186619		BOLT, 3/8"-16X1 1/8" (12.9001)												4
1E	103321		LOCKWASHER, 3/8" (12.9200)												4
			* THRU 12VA-12171.												
			@ EFFECTIVE WITH 12VA-12172 AND INCLUDE (1) EACH OF 903626, 5161543, 271282 AND 103341.												
			8.1700 - LOCK, CLUTCH DRIVE SHAFT BEARING RETAINER												
1B,D	3223379		PLATE, LOCK			1	1	1	1				1		
1B,D	179812		BOLT, 5/16"-18X1 1/2" (12.9001)			1	1	1	1				1		
1B,C	103320		LOCKWASHER, 5/16" (12.9200)			1	1	1	1				1		
			8.1730 - PILLOW BLOCK UNIT												
			INCLUDES FITTING, SET SCREW, LOCK PIN IN 8.1730 PLUS ITEM IN 8.1740.												
10B	5174184		PILLOW BLOCK UNIT				1								
10B	5186139		PILLOW BLOCK UNIT								1	1			
	191758		FITTING, 1/8" LUBE (12.9540)				1								
	5193147		SCREW SET (CUP POINT)				4								
	139137		SCREW, 1/2"-20X1/2" SET (12.9076)					4							
	5194507		PIN, 5/16"X.830" LOCK					1	1						
	141253		PIN, DOWEL (3/8"X2 1/4") (12.9290)				2								
	141247		PIN, DOWEL (3/8"X1 3/8") (12.9290)					2	2						
	271592		BOLT, 5/8"-18X3 1/4" (12.9001)				2								
10B	223831		BOLT, 3/4"-16X3 1/2" (12.9001)					4	4						
	103345		WASHER, 5/8" FLAT (12.9190)				6								
	103346		WASHER, 3/4" FLAT (12.9190)					12							
	3839832		WASHER (.79X1.44)						12						
	103325		LOCKWASHER, 5/8" (12.9200)				2								
	103326		LOCKWASHER, 3/4" (12.9200)					4	4						
	103030		NUT, 5/8"-18 HEX. (12.9120)				2								
	117054		NUT, 3/4"-16 HEX. (12.9120)						4						
	218197		NUT, 3/4"-16 (12.9120)						4						
			8.1740 - BEARING, PILLOW BLOCK												
	5192465		BEARING				1								
	5193505		BEARING					1	1						

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	207	209	210	217	218	222	224	225	229
		8.1820 - SHIM, PILLOW BLOCK												
	5186666	SHIM,				AR								
	5188161	SHIM,					AR	AR						
	5158076	SHIM,				AR								
	5188148	SHIM,					AR	AR						
	3222038	SHIM,				AR								
	5188149	SHIM,					AR	AR						
	5186667	SHIM,					AR	AR						
	3222037	SHIM,				AR								
	5186668	SHIM,					AR	AR						
	3222036	SHIM,				AR								
	5186669	SHIM,					AR	AR						
	5168893	+ SHIM,				AR								
	5186670	SHIM,					AR	AR						
	5129013	+ SHIM,				AR								
		+ OBSOLETE.												
		8.1830 - SUPPORT, PILLOW BLOCK												
10B	5129015	* SUPPORT				1								
10B	5125785	@ SUPPORT				1	1	1						
10B	5125786	SUPPORT					1							
	5186899	@ DOWEL (1/2"X4 1/2")				1	1	1						
	187149	* PIN, DOWEL (5/8"X1") (12.9290)				1	1	1						
10B	223747	BOLT, 5/8"-18X4 1/4" (12.9001)				4	4	4						
10B	273905	BOLT, 5/8"-18X6" (12.9001)					4							
	5168520	WASHER, 5/8" BEVEL (11.1100)				4	4	4						
	103325	LOCKWASHER, 5/8" (12.9200)				4	4	4						
	103028	NUT, 1/2"-20 HEX. (12.9120)					1	1						
10B	103030	NUT, 5/8"-18 HEX. (12.9120)				4	4	4						
		* EFFECTIVE WITH 6VA-15494.												
		@ THRU 6VA-15493.												
		8.1895 - SUPPORT, POWER TAKE-OFF												
10A	5183176	BRACKET								1				
	5125819	SUPPORT		2										
	5124145	SUPPORT (L.H.)										1		
	5124146	SUPPORT (R.H.)										1		
	5128799	@ SUPPORT	2						2		2			
	5123463	SHIM (.005")										AR		
	5123464	SHIM (.031")										AR		
	5123465	SHIM (.062")										AR		
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)								6				
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)	6						6					
	186689	BOLT, 1/2"-13X2" (12.9001)	6	6					6		6			
	181429	BOLT, 1/2"-20X1 1/4" (12.9001)		6										
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)	6						6		6			
	181436	BOLT, 1/2"-20X2 1/4" (12.9001)										6		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	207	209	210	217	218	222	224	225	229
		8.1895 - SUPPORT, POWER TAKE-OFF (CONT'D)												
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)										6		
	5167615	WASHER (1/2" BEVEL) (11.1073)										6		
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR					AR	AR	AR	AR		
	103028	NUT, 1/2"-20 HEX. (12.9120)	6	6					6		6	6		
		@ OBSOLETE.												
		8.1900 - HOUSING, POWER TAKE-OFF ADAPTOR												
1A,#	5117491	HOUSING			1					1				
1A	5133433	ADAPTOR ASSY. (INCLUDES PINS IN 8.1900)											1	
	5151576	PIN, DOWEL (1.1001)											2	
1A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)											2	
1A	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			2					2				
1A	9409914	BOLT (3/8"-16X4 3/4") (12.9001)											2	
1A	190770	BOLT, 1/2"-13X3 1/4" (12.9001)			6					6				
1A	190256	BOLT, 1/2"-13X4 1/2" (12.9001)											4	
	103321	LOCKWASHER, 3/8" (12.9200)			2					2			4	
	103323	LOCKWASHER, 1/2" (12.9200)			6					6			4	
		# FIG. 10A OF 5.0000.												
		8.1901 - GASKET, POWER TAKE-OFF ADAPTOR HOUSING												
1A	5121714	GASKET (1.3170)			1					1				
		8.1902 - SEAL, POWER TAKE-OFF ADAPTOR HOUSING OIL												
1A	5115454	SEAL (1.3040)			1					1				
		8.1905 - ADAPTOR, POWER TAKE-OFF TO CLUTCH												
1A	5167291	ADAPTOR								1			1	
1A	5179864	ADAPTOR			1									
	5187323	LOCKWIRE			3									
	5157244	BOLT (1 3/4" L.) (4.4190)								6			6	
	225631	BOLT (5/8"-18X3 1/4") (12.9001)			6									
	103321	LOCKWASHER, 3/8" (12.9200)								6			6	
		8.1910 - COUPLING ASSY., POWER TAKE-OFF												
1A	5167273	COUPLING								1			1	
1A	5102889	COUPLING			1									
1A	117982	KEY, 3/8"X1 1/4" WOODRUFF (12.9350)			2					2			2	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	207	209	210	217	218	222	224	225	229
		8.1910 - COUPLING ASSY., POWER TAKE-OFF (CONT'D)												
1A	5153623	BOLT (1.3290)			1					1			1	
1A	5157930	WASHER (1.3290)			1					1			1	
		8.1920 - HOUSING, REDUCTION GEAR												
1B	5195442	HOUSING		1										
1F	5192346	SPANNER (LOCK)		4										
1F	5192338	PLUG (DIPSTICK HOLE)		1										
1C	5142549	PLUG, 3/4" PIPE (12.9550)		1										
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)		8										
		8.1922 - GASKET, REDUCTION GEAR HOUSING												
1F	5192335	GASKET		1										
		8.1925 - PLATE, REDUCTION GEAR COVER												
1B	5195447	HOUSING (BEARING AND RETAINER)		1										
1F	186646	* BOLT, 1/2"-13X1 3/4" (12.9001)		8										
	103323	LOCKWASHER, 1/2" (12.9200)		9										
		* THESE BOLTS MAY BE REPLACED WHEN A SUPPORT IS USED SEE 8.1895.												
		8.1926 - GASKET, REDUCTION GEAR COVER PLATE												
1F	5192333	GASKET		1										
		8.1928 - GEAR, REDUCTION GEAR DRIVE												
1F	5193322	GEAR (25 TEETH)		1										
1B	5195444	KEY (1/2"X1/2"X3")		1										
	5195443	SPACER		1										
	5192378	LOCKWASHER		1										
	5192124	NUT (8.1670)		1										
		8.1930 - GEAR, REDUCTION GEAR DRIVEN												
		A GEAR ASSY. INCLUDES GEAR IN 8.1930 PLUS ITEMS IN 8.1933.												
1F	5193323	GEAR (44 TEETH)		1										
1F	5195446	KEY (3/4"X3/4"X4")		2										

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	207	209	210	217	218	222	224	225	229
		8.1935 - SHAFT, REDUCTION GEAR												
1B	**5195445**	SHAFT		1										
1B	**5195449**	WASHER (BEARING SPACER)		1										
	127696	LOCKWASHER, 3.177"I.D. (12.9717)		1										
	179202	NUT, LOCK, 3.137"-12, 4 SLOT (12.9719)		1										
		8.1940 - BEARING, REDUCTION GEAR SHAFT PILOT												
1B	**457261**	BEARING (ROLLER)		2										
		8.1941 - RING, REDUCTION GEAR SHAFT PILOT												
1F	**5192337**	RING, SNAP		1										
		8.1945 - BEARING, REDUCTION GEAR SHAFT												
1F	**457263**	BEARING		1										
	5195450	RING, SNAP		1										
		8.1950 - SEAL, REDUCTION GEAR SHAFT OIL												
1F	**5194958**	SEAL		1										
		8.1960 - DIPSTICK, REDUCTION GEAR												
1F	**5192339**	DIPSTICK		1										
		8.1965 - BREATHER, REDUCTION GEAR												
1C,F	**5193090**	PIPE (9.1410)		1										
1C,F	**1528732**	CAP		1										
		8.1974 - FILTER ASSY., POWER TAKE-OFF (FULL FLOW)												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
	5196393	FILTER ASSY. (9.3650)	1						1		1			
	5573162	DECAL (4.2280)	1						1		1			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4						4		4			
	103321	LOCKWASHER, 3/8" (12.9200)	4						4		4			

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	207	209	210	217	218	222	224	225	229
		8.1988 - BRACKET, OIL FILTER MOUNTING												
	5128487	BRACKET							1		1			
	186689	BOLT, 1/2"-13X2" (12.9001)							2		2			
	103323	LOCKWASHER, 1/2" (12.9200)							2		2			
		8.1990 - TUBE, OIL FILTER												
	5126738	HOSE, FLEXIBLE (16") (PUMP TO FILTER)							1		1			
	5114962	HOSE, FLEXIBLE (28") (FILTER TO PTO)							1		1			
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)	3								3			
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)	2						2		2			
	116487	CONNECTOR, 5/8"X1/2" (12.9380)							1		1			
		8.1992 - CLIP, OIL FILTER HOSE												
	5177001	CLIP (8.3801)	1											

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	233	235	236	238	239	240	242	245	246	249	250
		8.1001 - POWER TAKE-OFF ASSY.												
		A POWER TAKE-OFF ASSY. INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1455, AND 8.1470 THRU 8.1700 LESS BEARINGS IN 8.1450 EXCEPT PTO MARKED #.												
	NPN	POWER TAKE-OFF ASSY. (CUSTOMER FURNISHED)								1			1	
	5132204	POWER TAKE-OFF ASSY. SAE #3	1											
	5126593 #	POWER TAKE-OFF ASSY. SAE #1/2		1										
	5126594 #	POWER TAKE-OFF ASSY. SAE #1/2			1									
	5130986	POWER TAKE-OFF ASSY. SAE #1/2				1								
	5132200 *	POWER TAKE-OFF ASSY. SAE #3 (5138821)					1	1						
10B	**5131637** @	POWER TAKE-OFF ASSY. SAE #1							1					
	5136550 &	POWER TAKE-OFF ASSY. SAE #1 (SIDE LOAD)							1					
	5138822	POWER TAKE-OFF ASSY. SAE #3										1		
	5192156	KEY (PTO PULLEY) (5/8"X5/8"X5 1/4").	1				1	1						
1D	**5192127**	KEY (PTO PULLEY) (3/4"X3/4"X7 1/2").							1					
10A	**5198030**	KEY (PTO PULLEY) (1"X1"X4")				1								
1D,B	**5193785**	KEY (PTO PULLEY) (1"X1"X8 1/2")		1	1									
	5184950	SHIM (.005") (11.1073)		AR	AR									
	5184949	SHIM (.015") (11.1073)		AR	AR									
	5188113	SHIM (.062") (11.1080)		AR	AR									
	121208	NIPPLE, 1/2"X1" CLOSE (12.9560)		1	1									
	140813	COUPLING, 1/2" PIPE (12.9580)		1	1									
	180122	BOLT, 3/8"-16X1" (12.9001)						12						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										12		
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)					12							
1B,C	**9409231**	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)						8						
1B,C	**186612**	BOLT, 3/8"-16X1 3/4" (12.9001)										6		
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)	12											
	179849	BOLT, 3/8"-16X2 1/2" (12.9001)	8											
1D	**180147**	BOLT, 7/16"-14X1 1/4" (12.9001)							12					
1D	**180176**	BOLT, 1/2"-13X1 3/8" (12.9001)					8		8					
1B,D	**186725**	BOLT, 1/2"-13X1 1/2" (12.9001)				12								
	179887	BOLT, 1/2"-13X1 3/4" (12.9001)		12	12									
	426449	BOLT, 5/8"-11X1 5/8" (12.9001)		6	6	6								
	100080	BOLT, 5/8"-18X3" (12.9001)			2									
	271637	BOLT, 3/4"-16X2 3/4" (12.9001)		2										
	103345	WASHER, 5/8" FLAT (12.9190)			2									
	103321	LOCKWASHER, 3/8" (12.9200)	AR				AR	AR				AR		
	103322	LOCKWASHER, 7/16" (12.9200)							AR					
1B,D	**103323**	LOCKWASHER, 1/2" (12.9200)		AR	AR	AR			AR					
1B,D	**103325**	LOCKWASHER, 5/8" (12.9200)		AR	AR	AR								
	103326	LOCKWASHER, 3/4" (12.9200)		2										
		# NOT SERVICED, COMPONENTS OF POWER TAKE-OFF ASSY. SERVICED BY COTTA TRANSMISSION CO., ROCKFORD, ILLINOIS.COMPONENTS OF CLUTCH ASSY. AND RELATED PARTS LISTED, WHICH ARE NOT PART OF THE POWER TAKE-OFF ASSY., ARE SE RVICED BY DDAD.												

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	233	235	236	238	239	240	242	245	246	249	250
		8.1001 - POWER TAKE-OFF ASSY. (CONT'D)												
		* NOT SERVICED COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESIS.												
		@ THRU 6VA-29241, NOT SERVICED.												
		& EFFECTIVE WITH 6VA-29242.												
		8.1004 - MOUNTING ADAPTOR, POWER TAKE-OFF ASSY.												
	5194946	MOUNTING ADAPTOR	1											
		8.1010 - HOUSING, CLUTCH												
1D	**5194945**	HOUSING (SAE #3)	1											
1B	**5195467**	HOUSING				1								
1C	**5192638**	HOUSING					1	1						
1B	**5196300**	HOUSING							1					
	6775556	HOUSING, DISCONNECT CLUTCH (INCLUDES BUSHING)									1			1
1C	**5193052**	HOUSING										1		
	6775555	BUSHING									1			1
	191758	FITTING, 1/8" LUBE (12.9540)	1				1	1						
	145692	FITTING, 1/4" LUBE (12.9540)				2	1	1	1			2		
	5196519	PLUG, 1/2" PIPE (12.9550)					1	1						
	138666	SCREW, 5/16"-18X5/16" SET (12.9076)	1				1	1	1					
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)									1			1
	103322	LOCKWASHER, 7/16" (12.9200)									1			1
		8.1013 - HOUSING, CLUTCH BEARING												
	5195468	HOUSING				1								
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)				6								
	103325	LOCKWASHER, 5/8" (12.9200)				6								
		8.1017 - CLUTCH ASSY.												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
	5194948	CLUTCH ASSY. (11 1/2") (PAGE A1)	1											

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	233	235	236	238	239	240	242	245	246	249	250
		8.1017 - CLUTCH ASSY. (CONT'D)												
	5197881	* CLUTCH ASSY. (11 1/2") (PAGE A1)					1	1				1		
	5197947	@ CLUTCH ASSY. (14") (PAGE A5)							1					
	5198386	& CLUTCH ASSY. (14") (PAGE A5)							1					
	6769083	CLUTCH ASSY. (15") (PAGE A5)									1			1
	5195470	# CLUTCH ASSY. (18") (5199277) (PAGE A1)		1		1								
	5196926	CLUTCH ASSY. (18") (FERAMIC, DOUBLE PLATE) (PAGE A1)			1									
	6769080	KEY (3/8"X3/8"X2 1/2")									1			1
1D	**5194949**	KEY (3/8"X1/2"X3/8")	1											
1C	**5193450**	KEY (3/8"X1/2"X2 1/4")					1	1				1		
1B	**5192841**	KEY (3/8"X1/2"X4 1/2")							1					
1D	**5194429**	KEY (5/8"X3/4"X5 1/4")		1	1	1								
		* REPLACE WITH 5197312 ON FRONT MOUNTED POWER TAKE-OFF ASSY.												
		@ THRU 6VA-29241, 8VA-23789, NOT SERVICED.												
		& EFFECTIVE WITH 6VA-29242, 8VA-23790.												
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		8.1018 - RING, CLUTCH DRIVING												
1D	**5194954**	RING (11 1/2" DIA. X 1 7/8"W.)	1											
1C	**5192163**	RING (11 1/2" DIA. X 7/8"W.)					1	1						
1B	**5192832**	RING (14")							1					
1D,F	**5123897**	RING (15")									1			1
1B	**5194428**	RING (18" DIA. X 3 1/16"W.)		1	1	1								
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)									8			8
	103323	LOCKWASHER, 1/2" (12.9200)									8			8
		8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE												
1B,D	**5199882**	COVER	1				1	1				1		
1B,D	**5149357**	COVER				1			1					
1B,D	**6759863**	COVER									1			1
1B,C	**131375**	SCREW, 1/4"-20X3/8"RD. HD. SL. (12.9025)	2			2	2	2	2		4	2		
	179812	BOLT, 5/16"-18X1/2" (12.9001)									4			4
	103320	LOCKWASHER, 5/16" (12.9200)									4			4
		8.1070 - GASKET, CLUTCH HOUSING INSPECTION HOLE COVER												
1B,C	**5192415**	GASKET	1				1	1				1		
1B,C	**5192416**	GASKET				1			1					

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	233	235	236	238	239	240	242	245	246	249	250
		8.1101 - KIT, CLUTCH SPRING												
		INCLUDES SPRING IN 8.1100, PIN, RING AND WASHER IN 8.1142.												
	5198299	KIT							1					
		8.1270 - SHAFT, CLUTCH RELEASE												
1D	**5192251**	SHAFT	1				1	1	1			1		
1B,D	**5193782**	SHAFT		1	1	1								
	6759859	SHAFT									1			1
		8.1275 - YOKE, CLUTCH RELEASE												
		A YOKE ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1275.												
1B,C	**5192150**	YOKE ASSY.	1				1	1				1		
1B,C	**5193773**	YOKE ASSY.		1	1	1								
1B,C	**6768822**	YOKE ASSY.									1			1
1B,C	**5192117**	YOKE							1					
1B,C	**113782**	KEY, 1/4"X1" WOODRUFF (12.9350)	2	2	2	2	2	2	2			2		
	124556	KEY, 1/4"X1 1/8" WOODRUFF (12.9350)									2			2
1B,C	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2	2	2	2			2		
	181400	BOLT, 7/16"-20X1 1/2" (12.9001)									2			2
1B,C	**103321**	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2			2		
	103322	LOCKWASHER, 7/16" (12.9200)									2			2
		8.1320 - HOSE, CLUTCH RELEASE BEARING												
1B,D	**5192296**	HOSE, FLEX. (3/16"I.D.X7 5/8")	1						1			1		
	5192493	HOSE, FLEX. (3/16"I.D.X6 7/16")					1	1						
	6771943	HOSE, FLEX. (3/16"I.D.X10 1/2")									2			2
	191758	* FITTING, 1/8" LUBE (12.9540)	2				4	4	2		2			2
	122366	NUT, 5/8"-18 THIN HEX. (12.9120)	1				1	1	1			1		
	114498	NUT, 5/8"-18 HEX. (12.9120)									2			2
		* OPTIONAL USAGE.												
		8.1450 - BEARING, CLUTCH PILOT												
1A	**907295**	BEARING (N.D. 55606) (DOUBLE ROW BALL)	1				1	1		1				
1A	**907594**	BEARING (N.D. 99606X1C) (1.4040)									1			

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	233	235	236	238	239	240	242	245	246	249	250
		8.1470 - LEVER, CLUTCH HAND CONTROL												
		A LEVER ASSY. INCLUDES ITEMS IN 8.1470.												
1B,D	**5196641**	LEVER ASSY.		1	1	1								
1B,D	**5192119**	+ LEVER ASSY.							1					
1B,D	**5193208**	LEVER ASSY.												1
1B,C	**3290211**	LEVER	1				1	1				1		
1B,C	**6768823**	LEVER									1			
1B,C	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)	1	1	1	1			1					1
1B,C	**186646**	BOLT, 1/2"-13X1 3/4" (12.9001)					1	1				1		
1B,C	**181345**	BOLT, 1/2"-13X2" (12.9001)									1			
1B,C	**103321**	LOCKWASHER, 3/8" (12.9200)	1	1	1	1			1					1
1B,C	**103323**	LOCKWASHER, 1/2" (12.9200)					1	1			1	1		
		+ NOT PART OF 5136550 ASSY.												
		8.1665 - HOUSING ASSY., TORQUE CONVERTER DRIVE												
		INCLUDES ITEMS IN 8.1666.												
	6768943	ADAPTOR ASSY.									1			1
		8.1666 - RING, TORQUE CONVERTER DRIVE SHAFT SEAL												
	6831424	SEAL RING									1			1
	6768688	CLIP, LOCKING									4			4
	455072	BOLT, 9/16"-18X1 3/4" (12.9001)									8			8
		8.1670 - SHAFT, CLUTCH DRIVE												
1C	**5193056**	SHAFT (13 3/16"L.)										1		
1C	**5196518**	SHAFT (19 5/8"L.)					1	1						
1D	**5194947**	SHAFT (20 1/2"L.)	1											
1B	**5197536**	SHAFT (25"L.)				1								
1B	**5194572**	SHAFT (26 1/16"L.)							1					
	5198534	WASHER							1					
1D	**5192840**	LOCKWASHER	1						1					
1B,D	**5194259**	LOCKWASHER		1	1	1								
1C	**5192154**	LOCKWASHER					1	1				1		
1D	**5192153**	NUT	1				1	1				1		
1B,D	**5193778**	NUT		1	1	1								
1B,D	**6769075**	NUT									1			1
	5192124	NUT							1					
		8.1680 - BEARING, CLUTCH DRIVE SHAFT												
	907535	BEARING									1			1
1C,F	**954363**	BEARING (N.D. 45309)										1		
1C	**142224**	CUP, BEARING	2				2	2						

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	233	235	236	238	239	240	242	245	246	249	250
		8.1680 - BEARING, CLUTCH DRIVE SHAFT (CONT'D)												
1B,D	107364	CUP, BEARING				2								
1B,D	457323	CUP, BEARING (8.3050)							2					
1C	441294	CONE, BEARING	2				2	2						
1B,D	455474	CONE, BEARING				2								
1B,D	457325	CONE, BEARING (8.3050)							2					
		8.1685 - FITTING, CLUTCH DRIVE SHAFT BEARING GREASE												
1C	191758	* FITTING, 1/8" LUBE (12.9540)				1						1		
1C	105526	* FITTING, 1/8" LUBE (12.9540)										1		
		* OPTIONAL USAGE.												
		8.1686 - SEAL, CLUTCH DRIVE SHAFT BEARING GREASE												
1C	5193122	SEAL										1		
		8.1690 - RETAINER, CLUTCH DRIVE SHAFT BEARING												
	5192149	RETAINER	1				1	1						
1B,D	5193776	RETAINER				1								
1B	5192838	RETAINER							1					
1D	6768820	RETAINER									1			1
	179841	BOLT, 3/8"-16X1 1/4" (12.9001)									4			4
	103321	LOCKWASHER, 3/8" (12.9200)									4			4
		8.1700 - LOCK, CLUTCH DRIVE SHAFT BEARING RETAINER												
1B,D	3223379	PLATE, LOCK	1			1	1	1	1					
1B,D	179812	BOLT, 5/16"-18X1 1/2" (12.9001)	1			1	1	1	1					
1B,D	103320	LOCKWASHER, 5/16" (12.9200)	1			1	1	1	1					
		8.1895 - SUPPORT, POWER TAKE-OFF												
	5128799	@ SUPPORT		2	2									
	5124145	SUPPORT (LEFT SIDE)				1								
	5124146	SUPPORT (RIGHT SIDE)				1								
	5123271	SUPPORT (LEFT SIDE)							1					
	5123272	SUPPORT (RIGHT SIDE)							1					
10A	5183176	BRACKET										1		
	5123463	SHIM (.005")				AR			AR					

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2320	2332	2335	2336	2338	2339	2340	2342	2345	2346	2349	2350
		8.1895 - SUPPORT, POWER TAKE-OFF (CONT'D)												
	5123464	SHIM (.031")				AR			AR					
	5123465	SHIM (.062")				AR			AR					
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)										6		
	186689	BOLT, 1/2"-13X2" (12.9001)		6	6									
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)		6	6									
	181435	BOLT, 1/2"-20X2" (12.9001)							6					
	181436	BOLT, 1/2"-20X2 1/4" (12.9001)				6								
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)							6					
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)				6								
	5167615	WASHER (1/2" BEVEL) (11.1073)				6			6					
	103323	LOCKWASHER, 1/2" (12.9200)		AR	AR	AR			AR			AR		
	103325	LOCKWASHER, 5/8" (12.9200)				6			6					
	117051	NUT, 1/2"-20 HEX. (12.9120)		6	6	6			6					
		@ OBSOLETE.												
		8.1900 - HOUSING, POWER TAKE-OFF ADAPTOR												
1A,#	5117491	HOUSING	1									1		
1A	5101396	HOUSING						1		1				
1A	5133433	ADAPTOR ASSY. (INCLUDES PINS IN 8.1900)					1							
	5151576	PIN, DOWEL (1.1001)					2							
1A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					2							
1A	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	2									2		
1A	9409914	BOLT, 3/8"-16X4 3/4" (12.9001)					2							
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						24		24				
1A	190770	BOLT, 1/2"-13X3 1/4" (12.9001)	6									6		
1A	190256	BOLT, 1/2"-13X4 1/2" (12.9001)					4							
	103341	WASHER, 3/8" FLAT (12.9190)					4							
	103321	LOCKWASHER, 3/8" (12.9200)	2				4					2		
	103322	LOCKWASHER, 7/16" (12.9200)						12						
	103323	LOCKWASHER, 1/2" (12.9200)	6									6		
		# FIG. 10A OF 5.0000.												
		8.1901 - GASKET, POWER TAKE-OFF ADAPTOR HOUSING												
1A	5121714	GASKET	1									1		
		8.1902 - SEAL, POWER TAKE-OFF ADAPTOR HOUSING OIL												
1A	5115454	SEAL	1									1		

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	233	235	236	238	239	240	242	245	246	249	250
		8.1905 - ADAPTOR, POWER TAKE-OFF TO CLUTCH												
1A	5179864	ADAPTOR	1				1							
1A	5132665	ADAPTOR						1		1				
1A	5167291	ADAPTOR										1		
	5187323	LOCKWIRE	3				3	3		3		6		
	5157244	BOLT (1 3/4" L.) (4.4190)												
	225631	BOLT (5/8"-18X3 1/4") (12.9001)	6				6	6		6		6		
	103321	LOCKWASHER, 3/8" (12.9200)												
		8.1907 - CONE, POWER TAKE-OFF ADAPTOR												
	5124552	CONE (1.3250)					1							
	5131104	RING, CONE DRIVE (3.50" O.D.)					1							
		8.1910 - COUPLING ASSY., POWER TAKE-OFF												
1A	5102889	COUPLING	1				1							
1A	5102939	COUPLING						1		1				
1A	5167273	COUPLING										1	1	
1A	117982	KEY, 3/8"X1 1/4" WOODRUFF (12.9350)	2				2					2	2	
1A	5131281	KEY (1/2"X3/8"X2 1/4")						1		1				
1A	5153623	BOLT (1.3290)	1				1					1	1	
1A	5157930	WASHER (1.3290)	1				1					1	1	
	272914	NUT, 1 1/4"-12 HEX. LOCK (12.9140)						1		1				
		8.1920 - HOUSING, REDUCTION GEAR												
		A HOUSING ASSY. INCLUDES HOUSING AND COVER WHICH ARE NOT SERVICED SEPARATELY, DOWEL PINS AND 12 BOLTS IN 8.1920.												
1C	5193053	HOUSING										1		
1F	5192346	SPANNER (LOCK)										4		
1F	5192338	PLUG (DIPSTICK HOLE)										1		
1C	103879	PLUG, 3/8" PIPE (12.9550)										1		
1C	103869	PLUG, 3/4" PIPE (12.9550)										1		
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)										6		
		8.1922 - GASKET, REDUCTION GEAR HOUSING												
1C	5193054	GASKET										1		
		8.1925 - PLATE, REDUCTION GEAR COVER												
1C	5193061	COVER										1		
1C	179839	BOLT, 3/8"-16X1" (12.9001)										8		
1C	115549	LOCKWASHER, 3/8" INT. TOOTH (12.9220)										AR		

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	233	235	236	238	239	240	242	245	246	249	250
		8.1926 - GASKET, REDUCTION GEAR COVER PLATE												
1C	5193062	GASKET										1		
		8.1928 - GEAR, REDUCTION GEAR DRIVE												
1C	5193057	GEAR (20 TEETH)										1		
1C	5196635	KEY (3/8"X3/8"X1 1/2")										1		
1C	5196445	WASHER										1		
1C	5192153	NUT										1		
		8.1930 - GEAR, REDUCTION GEAR DRIVEN												
		A GEAR ASSY. INCLUDES ITEMS IN 8.1933.												
1C	5195408	GEAR ASSY.										1		
1C	5193072	KEY (5/8"X5/8"X3 1/4")										1		
1C	5195404	SCREW, SET (1/2"-13X3/4")										1		
		8.1933 - HUB, INTERNAL DRIVEN GEAR												
1C	5195406	HUB										1		
1C	186679	BOLT, 3/8"-16X1 1/4" (12.9001)										8		
1C	103321	LOCKWASHER, 3/8" (12.9200)										8		
		8.1935 - SHAFT, REDUCTION GEAR												
1C	5195407	SHAFT										1		
1C	5190721	KEY (1/2"X1/2"X2 3/8")										1		
		8.1940 - BEARING, REDUCTION GEAR SHAFT PILOT												
1C	905307	BEARING (N.D. 5307X1A)										1		
		8.1945 - BEARING, REDUCTION GEAR SHAFT												
1C	905311	BEARING (N.D. 5311X1A)										1		

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	233	235	236	238	239	240	242	245	246	249	250
		8.1950 - SEAL, REDUCTION GEAR SHAFT OIL												
1C	81370	SEAL										1		
		8.1960 - DIPSTICK, REDUCTION GEAR												
1C,F	5195405	DIPSTICK										1		
		8.1965 - BREATHER, REDUCTION GEAR												
1C,F	5193090	PIPE (9.1410)										1		
1C,F	6419440	CAP										1		
		8.1974 - FILTER ASSY., POWER TAKE-OFF (FULL FLOW)												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
	5196393	FILTER ASSY.		1	1									
	5573162	DECAL (4.2280)		1	1									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		4	4									
	103321	LOCKWASHER, 3/8" (12.9200)		4	4									
		8.1988 - BRACKET, OIL FILTER MOUNTING												
	5128487	BRACKET		1	1									
	186689	BOLT, 1/2"-13X2" (12.9001)		2	2									
	103323	LOCKWASHER, 1/2" (12.9200)		2	2									
		8.1990 - TUBE, OIL FILTER												
	5126738	HOSE, FLEX. (16") (PUMP TO FILTER)		1	1									
	5114962	HOSE, FLEX. (28") (FILTER TO PTO)		1	1									
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)		3	3									
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)		2	2									
	116487	CONNECTOR, 5/8"X1/2" (12.9380)		1	1									

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

8.1001 - POWER TAKE-OFF ASSY.

A POWER TAKE-OFF ASSY. INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1455, AND 8.1470 THRU 8.1700 LESS BEARINGS IN 8.1450 EXCEPT PTO MARKED #.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 251	252	254	257	259	263	264	265	268	269	280
	NPN	POWER TAKE-OFF ASSY. (CUSTOMER FURNISHED)						1					1
	5133072	# POWER TAKE-OFF ASSY. SAE #1/2	1		1								
	5133070	# POWER TAKE-OFF ASSY. SAE #1/2		1									
1B	5133138	@ POWER TAKE-OFF ASSY. SAE #1/2 (5104726)				1							
1F	5115794	POWER TAKE-OFF ASSY. SAE #1/2					1						
	5133071	# POWER TAKE-OFF ASSY. SAE #1/2							1				
1D	5135440	POWER TAKE-OFF ASSY. SAE #1/2								1			
	5132204	POWER TAKE-OFF ASSY. SAE #3									1		
	5104727	POWER TAKE-OFF ASSY. SAE #1/2										1	
	5192156	KEY (PTO PULLEY) (5/8"X5/8"X5 1/4")									1		
1B	5195448	KEY (PTO PULLEY) (7/8"X7/8"X5")					1						
1D,B	5193785	KEY (PTO PULLEY) (1"X1"X8 1/2")	1	1	1	1			1			1	
	5184950	SHIM (.005") (11.1073)	AR	AR	AR	AR			AR			AR	
	5186663	SHIM (.005")					AR						
	5186664	SHIM (.010")					AR						
	5184949	SHIM (.015") (11.1073)	AR	AR	AR	AR			AR			AR	
	5177445	SHIM (.031")					AR						
	5188113	SHIM (.062") (11.1080)	AR	AR	AR	AR			AR			AR	
	5177446	SHIM (.062")					AR						
	121208	NIPPLE, 1/2"X1" CLOSE (12.9560)	1	1	1	1			1			1	
	140813	COUPLING, 1/2" PIPE (12.9580)	1	1	1	1			1			1	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)									12		
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)									8		
1B,D	186725	BOLT, 1/2"-13X1 1/2" (12.9001)				12	12			12		12	
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)	12	12	12	12			12				
	426449	BOLT, 5/8"-11X1 5/8" (12.9001)	6	6	6	6	6		6	6		6	
	271584	BOLT, 5/8"-18X1 5/8" (12.9001)					2						
	100080	BOLT, 5/8"-18X3" (12.9001)	2		2	2						2	
	223831	BOLT, 3/4"-16X2 3/4" (12.9001)		2					2				
	103345	WASHER, 5/8" FLAT (12.9190)	2			2						2	
	103321	LOCKWASHER, 3/8" (12.9200)									AR		
1B,D	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR		AR	AR		AR	
1B,D	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR		AR	AR		AR	
	103326	LOCKWASHER, 3/4" (12.9200)		2					2				

NOT SERVICED; COMPONENTS OF POWER TAKE-OFF ASSY. SERVICED BY COTTA TRANSMISSION CO., ROCKFORD, ILLINOIS.COMPONENTS OF CLUTCH ASSY. AND RELATED PARTS LISTED, WHICH ARE NOT PART OF THE POWER TAKE-OFF ASSY., ARE SE RVICED BY DDAD

@ NOT SERVICED, FOR COMPLETE REPLACEMENT USE NUMBER IN PARENTHESES.

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 251	252	254	257	259	263	264	265	268	269	280
		8.1004 - MOUNTING ADAPTOR, POWER TAKE-OFF ASSY.											
	5194946	MOUNTING ADAPTOR									1		
		8.1010 - HOUSING, CLUTCH											
1D	**5194945**	HOUSING (SAE #3)									1		
1B	**5195467**	HOUSING								1			
	5198103	HOUSING (SAE #1/2)				1						1	
1F	**5195437**	HOUSING					1						
	191758	*FITTING, 1/8" LUBE (12.9540)*					1				1		
	138666	SCREW, 5/16"-18X5/16" SET (12.9076)									1		
		8.1013 - HOUSING, CLUTCH BEARING											
	5195468	HOUSING								1			
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)								6			
	103325	LOCKWASHER, 5/8" (12.9200)								6			
		8.1017 - CLUTCH ASSY.											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.											
	5194948	CLUTCH ASSY. (11 1/2") (PAGE A1)									1		
	5195470	# CLUTCH ASSY. (18") (5199277) (PAGE A1)		1	1				1	1		1	
	5196926	CLUTCH ASSY. (18") (FERAMIC, DOUBLE PLATE) (PAGE A1)	1			1							
	5195429	CLUTCH ASSY. (18") (PAGE A1)					1						
1D	**5194949**	KEY (3/8"X1/2"X3/8")									1		
1D	**5194429**	KEY (5/8"X3/4"X5 1/4")	1	1	1	1			1	1		1	
	5195451	KEY (3/4"X5/8"X3 3/4")					1						
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.											
		8.1018 - RING, CLUTCH DRIVING											
1D	**5194954**	RING (11 1/2" DIA. X 1 7/8"W.)									1		
1B	**5194428**	RING (18" DIA. X 3 1/16"W.)	1	1	1	1			1	1		1	
1F	**5193788**	RING (18" DIA. X 1 1/8"W.)					1						
		8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE											
1B,D	**5199882**	COVER									1		
1B,D	**5199836**	COVER				1				1		1	
1B,D	**5199835**	COVER					1						

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 251	252	254	257	259	263	264	265	268	269	280
		8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE (CONT'D)											
1B,C	**131375**	SCREW, 1/4"-20X3/8"RD. HD. SL. (12.9025)				2	2			2	2	2	
		8.1070 - GASKET, CLUTCH HOUSING INSPECTION HOLE COVER											
1B,C	**5192415**	GASKET									1		
1B,C	**5192416**	GASKET				1	1			1		1	
		8.1270 - SHAFT, CLUTCH RELEASE											
1D	**5192251**	SHAFT									1		
1B,D	**5193782**	SHAFT	1	1	1	1	1		1	1		1	
		8.1275 - YOKE, CLUTCH RELEASE											
		A YOKE ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1275.											
1B,C	**5192150**	YOKE ASSY.									1		
1B,C	**5193773**	YOKE ASSY.	1	1	1	1	1		1	1		1	
1B,C	**113782**	KEY, 1/4"X1" WOODRUFF (12.9350)	2	2	2	2	2		2	2	2	2	
1B,C	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2	2		2	2	2	2	
1B,C	**103321**	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2		2	2	2	2	
		8.1320 - HOSE, CLUTCH RELEASE BEARING											
1B,D	**5192296**	HOSE, FLEX. (3/16"I.D.X7 5/8")									1		
	191758	* FITTING, 1/8" LUBE (12.9540)									2		
	122366	NUT, 5/8"-18 THIN HEX. (12.9120)									1		
		* OPTIONAL USAGE.											
		8.1450 - BEARING, CLUTCH PILOT											
1A	**907295**	BEARING (N.D. 55606) (DOUBLE ROW BALL)									1		
1A	**907594**	BEARING (N.D. 99606X1C) (1.4040)											1
		8.1470 - LEVER, CLUTCH HAND CONTROL											
		A LEVER ASSY. INCLUDES ITEMS IN 8.1470.											
1B,D	**5196641**	LEVER ASSY.	1	1	1	1	1		1	1		1	

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 251	252	254	257	259	263	264	265	268	269	280
		8.1470 - LEVER, CLUTCH HAND CONTROL (CONT'D)											
1B,C	3290211	LEVER									1		
1B,C	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	1	1	1	1	1		1	1	1	1	
1B,C	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1	1	1		1	1	1	1	
		8.1670 - SHAFT, CLUTCH DRIVE											
1D	5194947	SHAFT (20 1/2"L.)									1		
1C	5198108	SHAFT (24 1/2"L.)				1						1	
1F	5195438	SHAFT (22 21/64"L.)					1						
	5199009	SHAFT								1			
	5195439	SLEEVE, RELEASE STOP (8.1285)					1						
	223088	SCREW, SET 3/8"-16X7/16" SKT. (12.9076)					1						
1D	5192840	LOCKWASHER									1		
1B,D	5194259	LOCKWASHER	1	1	1	1	1		1	1		1	
1F	5198110	LOCKWASHER				1						1	
1D	5192153	NUT									1		
1B,D	5193778	NUT	1	1	1	1	1		1	1		1	
1F	5198111	NUT				1						1	
		8.1680 - BEARING, CLUTCH DRIVE SHAFT											
	901321	BEARING				1						1	
1F	457262	BEARING					1						
1C	142224	CUP, BEARING									2		
1B,D	107364	CUP, BEARING								2			
1C	441294	CONE, BEARING									2		
1B,D	455474	CONE, BEARING								2			
		8.1685 - FITTING, CLUTCH DRIVE SHAFT BEARING GREASE											
1C	191758	* FITTING, 1/8" LUBE (12.9540)								1			
		* OPTIONAL USAGE.											
		8.1686 - SEAL, CLUTCH DRIVE SHAFT BEARING GREASE											
	5198122	SEAL				1						1	
1F	5194958	SEAL					1						
		8.1690 - RETAINER, CLUTCH DRIVE SHAFT BEARING											
	5192149	RETAINER									1		
1B,D	5193776	RETAINER								1			
1D	5198106	RETAINER				1						1	

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 251	252	254	257	259	263	264	265	268	269	280
		8.1690 - RETAINER, CLUTCH DRIVE SHAFT BEARING (CONT'D)											
	179858	BOLT, 7/16"-14X1" (12.9001)				4						4	
	103322	LOCKWASHER, 7/16" (12.9200)				4						4	
		8.1700 - LOCK, CLUTCH DRIVE SHAFT BEARING RETAINER											
1B,D	3223379	PLATE, LOCK								1	1		
1B,D	179812	BOLT, 5/16"-18X1 1/2" (12.9001)								1	1		
1B,D	103320	LOCKWASHER, 5/16" (12.9200)								1	1		
		8.1730 - PILLOW BLOCK UNIT											
		INCLUDES FITTING, SET SCREW, LOCK PIN IN 8.1730 PLUS ITEM IN 8.1740.											
10B	5186139	PILLOW BLOCK UNIT								1			
	5194507	PIN, 5/16"X.830" LOCK								1			
	141247	PIN, DOWEL (3/8"X1 3/8") (12.9290)								2			
	223831	BOLT, 3/4"-16X3 1/2" (12.9001)								4			
	103346	WASHER, 3/4" FLAT (12.9190)								12			
	103326	LOCKWASHER, 3/4" (12.9200)								4			
	117054	NUT, 3/4"-16 HEX. (12.9120)								4			
		8.1740 - BEARING, PILLOW BLOCK											
	5193505	BEARING								1			
		8.1820 - SHIM, PILLOW BLOCK											
	5188161	SHIM (.002")								AR			
	5188148	SHIM (.005")								AR			
	5188149	SHIM (.010")								AR			
	5186667	SHIM (.015")								AR			
	5186668	SHIM (.031")								AR			
	5186669	SHIM (.062")								AR			
	5186670	SHIM (.125")								AR			
		8.1830 - SUPPORT, PILLOW BLOCK											
10B	5125785	SUPPORT								1			
	187149	PIN, DOWEL (5/8"X1") (12.9290)								1			
	223747	BOLT, 5/8"-18X4 1/4" (12.9001)								4			
	5168520	WASHER, 5/8" BEVEL (11.1100)								4			

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 251	252	254	257	259	263	264	265	268	269	280
		8.1830 - SUPPORT, PILLOW BLOCK (CONT'D)											
	103325	LOCKWASHER, 5/8" (12.9200)								4			
	103030	NUT, 5/8"-18 HEX. (12.9120)								4			
		8.1895 - SUPPORT, POWER TAKE-OFF											
	5128799 @	SUPPORT	2	2	2				2			2	
	5134616	SUPPORT				2							
	5125819	SUPPORT					2						
	5134772	SHIM (.062")				AR						AR	
	5134744	SHIM (.125")				AR						AR	
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)				4						4	
	186689	BOLT, 1/2"-13X2" (12.9001)	6	6	6		6		6				
	181429	BOLT, 1/2"-20X1 1/4" (12.9001)					6						
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)	6	6	6		6		6				
	109858	BOLT, 1/2"-20X1 7/8" (12.9001)				6						6	
	103322	LOCKWASHER, 7/16" (12.9200)				4						4	
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR		AR			AR	
	103028	NUT, 1/2"-20 HEX. (12.9120)	6	6	6	6	6		6			6	
		@ OBSOLETE.											
		8.1900 - HOUSING, POWER TAKE-OFF ADAPTOR											
1A	5133433	ADAPTOR ASSY. (INCLUDES PINS IN 8.1900)									1		1
	5151576	PIN, DOWEL (1.1001)									2		2
1A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									2		2
1A	9409914	BOLT, 3/8"-16X4 3/4" (12.9001)									2		2
1A	190256	BOLT, 1/2"-13X4 1/2" (12.9001)									4		4
	103341	WASHER, 3/8" FLAT (12.9190)									4		
	103321	LOCKWASHER, 3/8" (12.9200)									4		2
	103323	LOCKWASHER, 1/2" (12.9200)											6
		8.1905 - ADAPTOR, POWER TAKE-OFF TO CLUTCH											
1A	5179864	ADAPTOR									1		
	5187323	LOCKWIRE									3		
	225631	BOLT (5/8"-18X3 1/4") (12.9001)									6		
		8.1907 - CONE, POWER TAKE-OFF ADAPTOR											
	5124552	CONE (1.3250)									1		
	5131104	RING, CONE DRIVE (3.50" O.D.)									1		

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 251	252	254	257	259	263	264	265	268	269	280
		8.1910 - COUPLING ASSY., POWER TAKE-OFF											
1A	5102889	COUPLING									1		
1A	5132597	COUPLING						1					1
1A	117982	KEY, 3/8"X1 1/4" WOODRUFF (12.9350)						2			2		2
1A	5153623	BOLT (1.3290)						1			1		1
1A	5157930	WASHER (1.3290)						1			1		1
		8.1920 - HOUSING, REDUCTION GEAR											
		A HOUSING ASSY. INCLUDES HOUSING AND COVER WHICH ARE NOT SERVICED SEPARATELY, DOWEL PINS AND 12 BOLTS IN 8.1920.											
1F	5195442	HOUSING					1						
1C	5198129	HOUSING ASSY.				1						1	
1F	5192346	SPANNER (LOCK)				4	4					4	
1F	5192338	PLUG (DIPSTICK HOLE)					1						
1C	103869	PLUG, 3/4" PIPE (12.9550)					1						
	5198104	PIN, DOWEL				2						2	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)				12						12	
	179929	BOLT, 5/8"-11X1 3/4" (12.9001)				8						8	
	271560	BOLT, 5/8"-11X1 3/4" (12.9001)					8						
	103322	LOCKWASHER, 7/16" (12.9200)				12						12	
		8.1922 - GASKET, REDUCTION GEAR HOUSING											
1C	5192335	GASKET				1	1					1	
		8.1925 - PLATE, REDUCTION GEAR COVER											
1C	5198119	COVER				1						1	
1F	5195447	HOUSING (BEARING AND RETAINER)					1						
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				6						6	
	186646	* BOLT, 1/2"-13X1 3/4" (12.9001)					8						
1C	115549	LOCKWASHER, 3/8" INT. TOOTH (12.9220)				AR						AR	
	103323	LOCKWASHER, 1/2" (12.9200)					9						
		* THESE BOLTS MAY BE REPLACED WHEN SUPPORT IS USED; SEE 8.1895.											
		8.1926 - GASKET, REDUCTION GEAR COVER PLATE											
	5198121	GASKET, HOUSING COVER				1						1	
1C	5198118	GASKET, BEARING COVER				1						1	
1F	5192335	GASKET (8.1922)					1						

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 251	252	254	257	259	263	264	265	268	269	280
		8.1928 - GEAR, REDUCTION GEAR DRIVE											
1C	5198109	GEAR (38 TEETH)				1						1	
1F	5193322	GEAR (25 TEETH)					1						
1C	5198107	KEY (3/8"X3/8"X4.62")				2						2	
1C	5195444	KEY (1/2"X1/2"X3")					1						
1C	5195443	SPACER					1						
1C	5192378	LOCKWASHER					1						
1C	5192124	NUT (8.1670)					1						
		8.1930 - GEAR, REDUCTION GEAR DRIVEN											
		A GEAR ASSY. INCLUDES ITEMS IN 8.1933.											
1C	5198113	GEAR (66 TEETH)				1						1	
1C	5193323	GEAR (44 TEETH)					1						
1C	5198115	KEY (3/8"X3/8"X4.31")				2						2	
1C	5195446	KEY (3/4"X3/4"X4")					2						
		8.1935 - SHAFT, REDUCTION GEAR											
1C	5198112	SHAFT				1						1	
1B	5195445	SHAFT					1						
	5195449	WASHER (BEARING SPACER)					1						
	127696	WASHER, LOCK (12.9717)					1						
	179202	NUT, LOCK (12.9719)					1						
		8.1940 - BEARING, REDUCTION GEAR SHAFT PILOT											
1C	457262	BEARING				1						1	
1B	457261	BEARING (ROLLER)					2						
	5198116	SPACER (.580")				1						1	
	127694	LOCKWASHER				1						1	
	127717	NUT				1						1	
		8.1941 - RING, REDUCTION GEAR SHAFT PILOT											
1F	5192337	RING, SNAP					1						
		8.1945 - BEARING, REDUCTION GEAR SHAFT											
1C	5198126	BEARING				1						1	
1F	457262	BEARING					1						
	5198117	PLATE, BEARING RETAINER				1						1	
	5195450	RING, SNAP					1						

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 251	252	254	257	259	263	264	265	268	269	280
		8.1945 - BEARING, REDUCTION GEAR SHAFT (CONT'D)											
	5198114	SPACER (3 1/2" I.D. X2 1/2" L.)				1						1	
	179839	BOLT, 3/8"-16X1" (12.9001)				6						6	
	103321	LOCKWASHER, 3/8" (12.9200)				6						6	
		8.1950 - SEAL, REDUCTION GEAR SHAFT OIL											
1C	**5198120**	SEAL				1						1	
1F	**5194958**	SEAL					1						
		8.1960 - DIPSTICK, REDUCTION GEAR											
1C,F	**5192339**	DIPSTICK					1						
		8.1965 - BREATHER, REDUCTION GEAR											
1C,F	**5193090**	PIPE (9.1410)				1	1					1	
1C,F	**6419440**	CAP				1	1					1	
		8.1966 - KIT, BREATHER FILTER; POWER TAKE OFF											
	5149355	KIT										1	
		8.1974 - FILTER ASSY., POWER TAKE-OFF (FULL FLOW)											
		SEE ASSEMBLY BREAKDOWN PAGE B1.											
	5196393	FILTER ASSY.	1	1	1				1				
	5573162	DECAL (4.2280)	1	1	1				1				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	4	4				4				
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4				4				
		8.1988 - BRACKET, OIL FILTER MOUNTING											
	5128487	BRACKET	1	1	1				1				
	186689	BOLT, 1/2"-13X2" (12.9001)	2	2	2				2				
	103323	LOCKWASHER, 1/2" (12.9200)	2	2	2				2				
		8.1990 - TUBE, OIL FILTER											
	5126738	HOSE, FLEX. (16") (PUMP TO FILTER)	1	1	1				1				
	5114962	HOSE, FLEX. (28") (FILTER TO PTO)	1	1	1				1				
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE	3	3	3				3				

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 251	252	254	257	259	263	264	265	268	269	280
		8.1990 - TUBE, OIL FILTER (CONT'D)											
		(12.9390)											
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)	2	2	2				2				
	116487	CONNECTOR, 5/8"X1/2" (12.9380)	1	1	1				1				

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 281	285	291	292	294	295	296	297	298	300	301	303
		8.1001 - POWER TAKE-OFF ASSY.												
		A POWER TAKE-OFF ASSY. INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1455 AND 8.1470 THRU 8.1700 LESS BEARINGS IN 8.1450.												
	NPN	POWER TAKE-OFF ASSY. (CUSTOMER FURNISHED)								1			1	
	5138821	POWER TAKE-OFF ASSY.			1	1								1
1A	5138822	POWER TAKE-OFF ASSY.						1	1					
	5192156	KEY (PTO PULLEY) (5/8"X5/8"X5 1/4")			1	1								1
	186678	BOLT, 3/8"-16X1" (12.9001)												12
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						12						
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			12	12			12					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						8						
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)							8					
1B,C	9409231	BOLT, 3/8"-16X1 1/2" (12.9001)												8
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)			8	8								
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR		AR	AR					AR
		8.1010 - HOUSING, CLUTCH												
	6775556	HOUSING, DISCONNECT CLUTCH (INCLUDES BUSHING)		1			1				1	1		
	5192638	HOUSING (SAE #3)			1	1								1
1C	5193052	HOUSING						1	1					
	6775555	BUSHING		4			4				4	4		
	5190957	FITTING (8.1130)			2	2								2
	145692	FITTING, 1/4" LUBE (12.9540)						2	2					
	138666	SCREW, 5/16"-18X5/16" SET (12.9075)			1	1								1
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)		11			11				11	11		
	103322	LOCKWASHER, 7/16" (12.9200)		11			11				11	11		
		8.1017 - CLUTCH ASSEMBLY												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
	6772609	CLUTCH ASSY. (INPUT DISCONNECT) (PAGE A5)		1										
	5197312	CLUTCH ASSY. (11 1/2") (SINGLE PLATE) (PAGE A5)			1	1		1	1					1
	6769083	CLUTCH ASSY. (15") (PAGE A5)					1				1	1		
1C	5193450	KEY (3/8"X1/2"X2 1/4")			1	1		1	1					1
	6769080	KEY (3/8"X2 1/2")		1			1				1	1		

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 281	285	291	292	294	295	296	297	298	300	301	303
		8.1017 - CLUTCH ASSEMBLY (CONT'D)												
	6772611	NUT (1 3/4"-18 LOCK)		1										
		8.1018 - RING, CLUTCH DRIVING												
1C	5192163	RING (11 1/2" DIA. X 7/8" W.)			1	1								1
1D,F	5123897	RING (15")		1			1				1	1		
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)		8			8				8	8		
	103323	LOCKWASHER, 1/2" (12.9200)		8			8				8	8		
		8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE												
	6759863	COVER		1			1				1	1		
	5192157	COVER			1	1		1	1					1
	131375	SCREW, 1/4"-20X3/8" RD. HD. SL. (12.9025)			2	2		2	2					2
	179812	BOLT, 5/16"-18X1 1/2" (12.9001)		4			4				4	4		
	103320	LOCKWASHER, 5/16" (12.9200)		4			4				4	4		
		8.1070 - GASKET, CLUTCH HOUSING INSPECTION HOLE COVER												
1B,C	5192415	GASKET			1	1		1	1					1
		8.1270 - SHAFT, CLUTCH RELEASE												
	6759859	SHAFT		1			1				1	1		
1D	5192251	SHAFT			1	1		1	1					1
		8.1275 - YOKE, CLUTCH RELEASE												
		A YOKE ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1275.												
	6768822	YOKE		1			1				1	1		
1B,C	5192150	YOKE ASSY.			1	1		1	1					1
	124556	KEY, 1/4"X1/8" WOODRUFF (12.9350)		2							2	2		
	113782	KEY, 1/4"X1" WOODRUFF (12.9350)			2	2		2	2					2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2	2		2	2					2
	181400	BOLT, 7/16"-20X1 1/2" (12.9001)		2			2				2	2		
	103321	LOCKWASHER, 3/8" (12.9200)			2	2		2	2					2
	103322	LOCKWASHER, 7/16" (12.9200)		2			2				2	2		

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 281	285	291	292	294	295	296	297	298	300	301	303
		8.1320 - HOSE, CLUTCH RELEASE BEARING												
1B,D	5192296	HOSE, FLEX. (3/16"I.D.X7 5/8")		1	1	1	1	1	1		1	1		1
1B,D	6771943	HOSE, FLEX. (3/16"I.D.X10 1/2")		1			1				1	1		
	444052	ELBOW, 1/8" PT. - 45 DEG. STREET (12.9590)		1			1				1	1		
	191758	FITTING, 1/8" LUBE (12.9540)		1			1				1	1		
	5193066	FITTING, LUBE (8.1920)			3	3								3
	114498	NUT, 5/8"-18 HEX. (12.9120)		2			2				2	2		
	122366	NUT, 5/8"-18 JAM. (12.9120)			1	1		1	1					1
		8.1450 - BEARING, CLUTCH PILOT												
1A	907594	BEARING (N.D. 99606X1C) (1.4040)						1	1					
1A	907295	BEARING (N.D. 55606) (DOUBLE ROW BALL)	1		1	1				1				1
		8.1470 - LEVER, CLUTCH HAND CONTROL												
		A LEVER ASSY. INCLUDES ITEMS IN 8.1470.												
1B,C	3290211	LEVER			1	1		1	1					1
1B,D	454906	BOLT, 3/8"-16X1 1/2" (12.9001)			1	1		1	1					1
1B,D	103321	LOCKWASHER, 3/8" (12.9200)			1	1		1	1					1
		8.1665 - HOUSING ASSY., TORQUE CONVERTER DRIVE												
		INCLUDES ITEMS IN 8.1666.												
	6772613	ADAPTOR ASSY.		1										
	6768943	ADAPTOR ASSY.					1							
	6772311	ADAPTOR ASSY.									1	1		
		8.1666 - RING, TORQUE CONVERTER DRIVE SHAFT SEAL												
	6831424	SEAL RING		1			1				1	1		
	6768688	CLIP, LOCKING		4			4				4	4		
	455072	BOLT, 9/16"-18X1 3/4" (12.9001)		8			8				8	8		
		8.1670 - SHAFT, CLUTCH DRIVE												
1C	5196518	SHAFT (19 5/8" L.)			1	1								1
1C	5193056	SHAFT (13 3/16" L.)						1	1					
1C	5192154	LOCKWASHER, 1 5/16"			1	1		1	1					1

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 281	285	291	292	294	295	296	297	298	300	301	303
		8.1670 - SHAFT, CLUTCH DRIVE (CONT'D)												
1D	**5192153**	NUT, 1 5/16"-12 HEX.			1	1		1	1					1
	6769075	NUT					1				1	1		
		8.1680 - BEARING, CLUTCH DRIVE SHAFT												
	907535	BEARING (N.D. 47516XR1E)		1			1				1	1		
	954363	BEARING (N.D. 45309)						1	1					
1C	**142224**	CUP, BEARING			2	2								2
1C	**441294**	CONE, BEARING			2	2								2
		8.1685 - FITTING, CLUTCH DRIVE SHAFT BEARING GREASE												
1C	**191758**	# FITTING, 1/8" LUBE (12.9540)		1			1	1	1		1	1		
1C	**5193066**	# FITTING, 1/8" LUBE (8.1920)						1	1					
		# OPTIONAL USAGE.												
		8.1686 - SEAL, CLUTCH DRIVE SHAFT BEARING GREASE												
1C	**5193122**	SEAL						1	1					
		8.1690 - RETAINER, CLUTCH DRIVE SHAFT BEARING												
	6768820	RETAINER		1			1				1	1		
	5192149	RETAINER			1									1
	179841	BOLT, 3/8"-16X1 1/4" (12.9001)		8			8				8	8		
	103321	LOCKWASHER, 3/8" (12.9200)		8			8				8	8		
		8.1700 - LOCK, CLUTCH DRIVE SHAFT BEARING RETAINER												
1B,D	**3223379**	PLATE, LOCK			1	1								1
1B,D	**179812**	BOLT, 5/16"-18X1/2" (12.9001)			1	1								1
1B,D	**103320**	LOCKWASHER, 5/16" (12.9200)			1	1								1
		8.1895 - SUPPORT, POWER TAKE-OFF												
10A	**5183176**	BRACKET						1						
10A	**5171150**	BRACKET							1					
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)						6	6					
	103323	LOCKWASHER, 1/2" (12.9200)						6	6					

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 281	285	291	292	294	295	296	297	298	300	301	303
		8.1900 - HOUSING, POWER TAKE-OFF ADAPTOR												
1A	**5133433**	ADAPTOR ASSY. (INCLUDES PINS IN 8.1900)	1		1				1					
1A,#	**5117491**	HOUSING				1		1		1			1	
1A	**5101396**	HOUSING												1
	5151576	PIN, DOWEL (1.1001)	1		1				1					
1A	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)	2		2				2					
1A	**179848**	BOLT, 3/8"-16X2 1/4" (12.9001)				2		2		2			2	
1A	**9409914**	BOLT, 3/8"-16X4 3/4" (12.9001)	2		2				2					
1A	**179862**	BOLT, 7/16"-14X1 1/2" (12.9001)												12
1A	**190770**	BOLT, 1/2"-13X3 1/4" (12.9001)				6		6		6			6	
1A	**190256**	BOLT, 1/2"-13X4 1/2" (12.9001)	4		4				4					
	103341	WASHER, 3/8" FLAT (12.9190)	4		4									
	103321	LOCKWASHER, 3/8" (12.9200)	4		4	2		2	2				2	
	103322	LOCKWASHER, 7/16" (12.9200)												12
	103323	LOCKWASHER, 1/2" (12.9200) # FIG. 10A OF 5.0000.				6		6	6	6			6	
		8.1901 - GASKET, POWER TAKE-OFF ADAPTOR HOUSING OIL												
1A	**5121714**	GASKET						1	1				1	
		8.1902 - SEAL, POWER TAKE-OFF ADAPTOR HOUSING OIL												
1A	**5115454**	SEAL (1.3040)				1		1	1				1	
		8.1905 - ADAPTOR, POWER TAKE-OFF TO CLUTCH												
1A	**5179864**	ADAPTOR	1		1	1				1				
1A	**5167291**	ADAPTOR						1	1				1	
1A	**5132665**	ADAPTOR												1
	5187323	LOCKWIRE (11.1070)	3		3	3				3				3
	225631	BOLT, 5/8"-18X3 1/4" (12.9001)	6		6	6				6				6
	103321	LOCKWASHER, 3/8" (12.9200)						6	6				6	
		8.1907 - CONE, POWER TAKE-OFF ADAPTOR												
	5124552	CONE (1.3250)	1		1									
	5131104	RING, ONE DRIVE (3.50" O.D.) (8.1018)	1		1									
		8.1910 - COUPLING ASSY., POWER TAKE-OFF												
1A	**5102889**	COUPLING	1		1	1				1				
1A	**5167273**	COUPLING						1	1				1	
1A	**5102939**	COUPLING												1

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 281	285	291	292	294	295	296	297	298	300	301	303
		8.1910 - COUPLING ASSY., POWER TAKE-OFF (CONT'D)												
1A	**117982**	KEY, 3/8"X1 1/4" WOODRUFF (12.9350)	2		2	2		2	2	2			2	
1A	**5131281**	KEY, 1/2"X3/8"X2 1/4"												1
1A	**5153623**	BOLT, 1"-14X2 1/4" (1.3290)	1		1	1		1	1	1			1	
1A	**5157930**	WASHER (1.3290)	1		1	1		1	1	1			1	
	272914	NUT, 1 1/4"-12 HEX. LOCK (12.9140)												1
		8.1920 - HOUSING, REDUCTION GEAR												
		A HOUSING ASSY. INCLUDES HOUSING AND COVER WHICH ARE NOT SERVICED SEPARATELY, DOWEL PINS AND 12 BOLTS IN 8.1920.												
1C	**5193053**	HOUSING						1	1					
1F	**5192346**	SPANNER (LOCK)						4	4					
1F	**5192338**	PLUG (DIPSTICK HOLE)						1	1					
1C	**5145014**	PLUG, 3/8" PIPE (12.9550)						1	1					
1C	**5142549**	PLUG, 3/4" PIPE (12.9550)						1	1					
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)						8	8					
		8.1922 - GASKET, REDUCTION GEAR HOUSING												
1C	**5193054**	GASKET						1	1					
		8.1945 - BEARING, REDUCTION GEAR SHAFT												
1C	**905311**	BEARING (N.D. 5311X1A)						1	1					
		8.1950 - SEAL, REDUCTION GEAR SHAFT OIL												
1C	**81370**	SEAL						1	1					
		8.1960 - DIPSTICK, REDUCTION GEAR												
1C,F	**5195405**	DIPSTICK						1	1					
		8.1965 - BREATHER, REDUCTION GEAR												
1C,F	**5193090**	PIPE (9.1410)						1	1					
1C,F	**6419440**	CAP						1	1					

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 308	311	317	319	322	323	324	328	329	330	331
		8.1001 - POWER TAKE-OFF ASSY.											
		A POWER TAKE-OFF ASSY. INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1455 AND 8.1470 THRU 8.1700 LESS BEARINGS IN 8.1450.											
	5145651	+ POWER TAKE-OFF ASSY. (SAE #1) (5103677)										1	
	5145650	POWER TAKE-OFF ASSY. (SAE #1/2)								1			
1B	5141604	POWER TAKE-OFF ASSY. (SAE #1/2)	1								1		
1C	5141880	POWER TAKE-OFF ASSY. (SAE #1/2)		1									
1B	5143770	POWER TAKE-OFF ASSY. (FRONT) (SAE #3)			1	1							
	5141141	POWER TAKE-OFF ASSY. (SAE #0)					1						
1A	5144328	# POWER TAKE-OFF ASSY. (FRONT)						1	1				
	5145703	# POWER TAKE-OFF ASSY.											1
	5199472	KEY (PTO PULLEY) (5/8"X5/8"X4 3/8")						1	1				
1B	5192488	KEY, 1/2"X1/2"X5"			1	1							
	5199435	KEY, 3/4"X3/4"X7"										1	
1C	5193785	KEY (PTO PULLEY) (1"X1"X8 1/2")	1	1						1	1		
	5184949	SHIM (.015") (11.1073)		AR									
	5184950	SHIM (.005") (11.1073)		AR									
	5188113	SHIM (.062") (11.1080)		AR									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				12			12				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			12								
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											12
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			8	6		12	6				
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)						8					
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)										8	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)											12
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)										12	
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)	12	12						12	12		
	426449	BOLT, 5/8"-11X1 5/8" (12.9001)	6	6						6	6		
	100080	BOLT, 5/8"-18X3" (12.9001)		2									
	103345	WASHER, 5/8" FLAT (12.9190)		2									
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR		AR	AR				AR
	103322	LOCKWASHER, 7/16" (12.9200)										AR	
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR						AR	AR		
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR						AR	AR		
		# COMPONENTS NOT SERVICED BY DDAD. PROCURE THRU TWIN DISC CORPORATION.											
		+ NOT SERVICED., USE NUMBER SHOWN IN PARENTHESES.											
		8.1010 - HOUSING, CLUTCH											
1B	5195467	HOUSING (SAE #1/2)	1							1	1		
1C	5198103	HOUSING (SAE #1/2)		1									
1B	5192486	HOUSING (SAE #3)			1	1							
1B	5199470	HOUSING (SAE #3)						1	1				
	5199430	HOUSING (SAE #1)										1	
	5190957	FITTING (8.1130)	2							2	2	2	

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 306	311	317	319	322	323	324	328	329	330	331
		8.1010 - HOUSING, CLUTCH (CONT'D)											
	5193066	FITTING, LUBE			1	1				1			
	191758	FITTING, 1/8" LUBE (12.9540)						3	3				
	145692	FITTING, 1/4" LUBE (12.9540)			2	2							
	271287	FITTING, 1/4" LUBE (12.9540)						2	2				
	111649	LOCKWASHER, 5/8" (12.9200)						1	1				
	114498	NUT, 5/8"-18 JAM						1	1				
		8.1013 - HOUSING, CLUTCH BEARING											
1B	5198614	HOUSING	1								1		
	5199413	HOUSING								1			
	5145009	PLUG, 1/8"-17 PIPE (12.9550)	1								1		
	271560	BOLT, 5/8"-11X1 3/4" (12.9001)	6							6	6		
	103325	LOCKWASHER, 5/8" (12.9200)	6							6	6		
		8.1017 - CLUTCH ASSEMBLY											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.											
	5196926	CLUTCH ASSY. (18", 2 PLATE FERAMIC) (PAGE A1)	1	1							1		
	5198993	CLUTCH ASSY. (8") (SINGLE PLATE) (PAGE A5)			1	1							
	5199451	CLUTCH ASSY. (11 1/2") (PAGE A5)						1	1				
	5199277	CLUTCH ASSY. (18") (DOUBLE PLATE) (PAGE A5)								1			
	5198386	CLUTCH ASSY. (14") (DOUBLE PLATE) (PAGE A5)										1	
	5192489	KEY (1/4"X1/4"X2")			1	1							
1B	5199473	KEY (1/4"X1/4"X2 1/8")						1	1				
1B	5192841	KEY (3/8"X1/2"X4 1/2")										1	
1C	5194429	KEY (5/8"X3/4"X5 1/4")	1	1						1	1		
		8.1018 - RING, CLUTCH DRIVING											
1B	5192358	RING (8" DIA.)			1	1							
1C	5192163	RING (11 1/2" DIA. X 7/8" W.)						1	1				
1C	5194428	RING (18" DIA. X 3 1/16" W.)	1	1						1	1		
1B	5192832	RING (18 3/8" DIA. X 2 1/8" W.)										1	
		8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE											
	5192157	COVER			1	1							
1C	5199836	COVER		1								1	
	5149357	PLATE-INSTRUCTION								1			

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 306	311	317	319	322	323	324	328	329	330	331
		8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE (CONT'D)											
	5199835	PLATE-INSTRUCTION	1								1		
1C	**5199480**	COVER						1	1				
	131375	SCREW, 1/4"-20X3/8" RD. HD. SL. (12.9025)	2	2	2	2				2	2	2	
	120628	SCREW, 1/4"-20X1/2" RD. HD. SL.						2	2				
		8.1070 - GASKET, CLUTCH HOUSING INSPECTION HOLE COVER											
1B,C	**5192415**	GASKET			1	1							
1C	**5192416**	GASKET	1	1						1	1	1	
1B,C	**5191303**	GASKET						1	1				
		8.1145 - LOCK, CLUTCH ADJUSTING NUT											
1B	**5196867**	LOCK	1								1		
	179789	BOLT, 1/4"-20X3/8" (12.9001)	1								1		
	114604	LOCKWASHER, 1/4" (12.9210)	1								1		
		8.1270 - SHAFT, CLUTCH RELEASE											
1D	**5192251**	SHAFT			1	1						1	
1B	**5193782**	SHAFT	1	1						1	1		
1A	**5199474**	SHAFT						1	1				
		8.1275 - YOKE, CLUTCH RELEASE											
		A YOKE ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1275.											
	5199475	YOKE						1	1				
1B,C	**5192150**	YOKE ASSY.			1	1							
1B,C	**5193773**	YOKE ASSY.	1	1						1	1		
1B	**5192117**	YOKE ASSY.										1	
	113782	KEY, 1/4"X1" WOODRUFF (12.9350)	2	2	2	2				2	2	1	
	124553	KEY, 1/4"X1"						2	2				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2				2	2	2	
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)						2	2				
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2				2	2	2	
		8.1320 - HOSE, CLUTCH RELEASE BEARING											
1B,D	**5192296**	HOSE, FLEX. (3/16"I.D.X7 5/8")			1	1							
1D	**5199479**	+ HOSE, FLEX. (3/16" I.D.X12" L.) (#M1292A)						1	1				
	5193066	FITTING, LUBE (8.1920)			1	1				1			

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 306	311	317	319	322	323	324	328	329	330	331
		8.1320 - HOSE, CLUTCH RELEASE BEARING (CONT'D)											
	5199476	FITTING, INVERTED FLARED						1	1				
	5190584	FITTING, 1/4"-90 DEG.						1	1				
	122366	NUT, 5/8"-18 JAM. (12.9120)			1	1							
		+ *NOT SERVICED., PROCURE THRU TWIN DISC USING THEIR PART NUMBER SHOWN IN PARENTHESES.*											
		8.1450 - BEARING, CLUTCH PILOT											
1A	907594	BEARING (N.D. 99606X1C) (1.4040)						1	1				
1A	907302	BEARING (N.D. Z3305) (1.4040)			1	1							
1A	907295	BEARING (N.D. 55606) (DOUBLE ROW BALL)					1						1
		8.1460 - RETAINER, CLUTCH PILOT BEARING											
1A	5167276	RETAINER			1								
		8.1470 - LEVER, CLUTCH HAND CONTROL											
		A LEVER ASSY. INCLUDES ITEMS IN 8.1470.											
1B,C	3290211	LEVER			1	1							
1B,C	5191597	+ LEVER						1	1				1
1B,C	5196641	LEVER ASSY.	1	1						1	1	†	
1B	5193208	*LEVER ASSY.*											
1B,D	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	1	1	1	1				1	1	1	
1B,D	186646	BOLT, 1/2"-13X1 3/4" (12.9001)						1	1				
1B,D	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1	1				1	1		
1B,D	103323	LOCKWASHER, 1/2" (12.9200)										1	
		+ NOT SERVICED, PROCURE THRU TWIN DISC INC. 1328 RACINE ST., RACINE, WISC. 53403 FURNISH THEIR P/N 7441A.											
		8.1670 - SHAFT, CLUTCH DRIVE											
1C	5199399	SHAFT								1			
1C	5198613	SHAFT	1								1		
1C	5198108	SHAFT		1									
	5192487	SHAFT			1	1							
1C	5199432	SHAFT										1	
1C	5199471	SHAFT (18" L.)						1	1				
1B	5192840	WASHER, 3 1/2" O.D. RETAINING										1	
1B,C	5194259	LOCKWASHER	1	1						1	1		
1F	5198110	LOCKWASHER		1									
1D	5192491	LOCKWASHER, 1 5/32"			1	1							
1C	5190462	LOCKWASHER, 1 13/32"						1	1				
1B,D	5193778	NUT	1	1						1	1		

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 306	311	317	319	322	323	324	328	329	330	331
		8.1670 - SHAFT, CLUTCH DRIVE (CONT'D)											
1F	5198111	NUT		1									
1B	5192490	NUT, 1 1/8"-12			1	1							
1C	5191320	NUT, 1 3/8"-12						1	1				
1B	5192124	NUT, 1 3/4"-10										1	
		8.1680 - BEARING, CLUTCH DRIVE SHAFT											
1F	901321	BEARING		1									
	444263	BEARING						2	2				
1B	907520	BEARING (N.D. 7520X1A)								1			
1C	5199433	BEARING (DOUBLE ROW BALL)										1	
1B	107364	CUP, BEARING	2								2		
1B	432777	CUP, BEARING			2	2							
1B	455474	CONE, BEARING	2								2		
1B	443858	CONE, BEARING			2	2							
		8.1685 - FITTING, CLUTCH DRIVE SHAFT BEARING GREASE											
1C	109388	FITTING, 1/4" LUBE						1	1				
1C	5193066 #	FITTING, 1/8" LUBE (8.1920)	1		1	1				1	1	1	
		# OPTIONAL USAGE.											
		8.1686 - SEAL, CLUTCH DRIVE SHAFT BEARING GREASE											
1C	5198122	SEAL		1									
		8.1690 - RETAINER, CLUTCH DRIVE SHAFT BEARING											
1B	5193776	RETAINER	1								1		
1D	5198106	RETAINER		1									
1B	5193251	RETAINER			1	1							
	5191322	RETAINER						1	1				
	5199431	RETAINER										1	
	179858	BOLT, 7/16"-14X1" (12.9001)		4									
	103322	LOCKWASHER, 7/16" (12.9200)		4									
		8.1695 - SPACER, CLUTCH DRIVE SHAFT BEARING RETAINER											
	5191321	SPACER						1	1				

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 306	311	317	319	322	323	324	328	329	330	331
		8.1700 - LOCK, CLUTCH DRIVE SHAFT BEARING RETAINER											
1B	**5196444**	PLATE, LOCK			1	1							
1B,D	**5199478**	PLATE, LOCK						1	1				
	5199411	RING, SNAP (EXTERNAL)								2			
	5199412	RING, SNAP (INTERNAL)								1			
	9413418	RING, SNAP										1	
1B,D	**179812**	BOLT, 5/16"-18X1/2" (12.9001)			1	1		1	1			1	
1B,D	**103320**	LOCKWASHER, 5/16" (12.9200)			1	1		1	1			1	
		8.1895 - SUPPORT, POWER TAKE-OFF											
10A	**5134616**	SUPPORT		2									
	5123271	SUPPORT									1		
	5123272	SUPPORT									1		
	5124145	SUPPORT (L.H.)	1										
	5124146	SUPPORT (R.H.)	1										
	5134772	SHIM (.062")		AR									
	5134744	SHIM (.125")		AR									
	5123463	SHIM	AR								AR		
	5123464	SHIM	AR								AR		
	5123465	SHIM	AR								AR		
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)		4									
	109858	BOLT, 1/2"-20X1 7/8" (12.9001)		6									
	181436	BOLT, 1/2"-20X2 1/4" (12.9001)	6								6		
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)	6								6		
	5167615	WASHER, (1/2" BEVEL) (11.1073)	6								6		
	103322	LOCKWASHER, 7/16" (12.9200)		4									
	103323	LOCKWASHER, 1/2" (12.9200)	12	6							6		
	117051	NUT, 1/2"-20 HEX. (12.9120)	6	6							6		
		8.1900 - HOUSING, POWER TAKE-OFF ADAPTOR											
1A	**5133433**	ADAPTOR ASSY. (INCLUDES PINS IN 8.1900)			1			1					
1A,#	**5117491**	HOUSING				1			1				1
	5151576	PIN, DOWEL (1.1001)			1								
1A	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)			2			2					
1A	**179848**	BOLT, 3/8"-16X2 1/4" (12.9001)				2			2				2
1A	**9409914**	BOLT, 3/8"-16X4 3/4" (12.9001)			2			2					
1A	**190770**	BOLT, 1/2"-13X3 1/4" (12.9001)				6			6				6
1A	**190256**	BOLT, 1/2"-13X4 1/2" (12.9001)			4			4					
	103321	LOCKWASHER, 3/8" (12.9200)			4	2		4	2				2
	103323	LOCKWASHER, 1/2" (12.9200)			4	6		4	6				6
		# FIG. 10A OF 5.0000.											
		8.1901 - GASKET, POWER TAKE-OFF ADAPTOR HOUSING OIL											
1A	**5121714**	GASKET				1			1				

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 306	311	317	319	322	323	324	328	329	330	331
		8.1902 - SEAL, POWER TAKE-OFF ADAPTOR HOUSING OIL											
1A	**5115454**	SEAL (1.3040)				1			1				1
		8.1905 - ADAPTOR, POWER TAKE-OFF TO CLUTCH											
1A	**5179864**	ADAPTOR											1
1A	**5167291**	ADAPTOR						1	1				
1A	**5167265**	ADAPTOR			1	1							
	5187323	LOCKWIRE (11.1070)											3
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)			6	6		6	6				
	225631	BOLT, 5/8"-18X3 1/4" (12.9001)											6
	103321	LOCKWASHER, 3/8" (12.9200)			6	6		6	6				
		8.1908 - PULLEY, CRANKSHAFT FRONT POWER TAKE-OFF											
	5169905	PULLEY (BILGE PUMP)						1	1				
		8.1910 - COUPLING ASSY., POWER TAKE-OFF											
1A	**5102889**	COUPLING											1
1A	**5167273**	COUPLING			1			1	1				
1A	**5167280**	COUPLING				1							
1A	**117982**	KEY, 3/8"X1 1/4" WOODRUFF (12.9350)			2	2		2	2				2
1A	**5153623**	BOLT, 1"-14X2 1/4" (1.3290)			1	1		1	1				1
1A	**5157930**	WASHER (1.3290)			1	1		1	1				1
		8.1920 - HOUSING, REDUCTION GEAR											
		A HOUSING ASSY. INCLUDES HOUSING AND COVER WHICH ARE NOT SERVICED SEPARATELY, DOWEL PINS AND 12 BOLTS IN 8.1920.											
1C	**5198129**	HOUSING ASSY.		1									
1F	**5192346**	SPANNER (LOCK)		4									
	119168	* PLUG, 1 3/4" (EXPANSION) (12.9330)		1									
	5198123	PLUG (OIL LEVEL)		1									
1C	**103870**	PLUG (OIL DRAIN) (12.9550)		1									
	5198104	PIN, DOWEL		2									
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)		12									
	179929	BOLT, 5/8"-11X1 3/4" (12.9001)		8									
	103322	LOCKWASHER, 7/16" (12.9200)		12									

* OBSOLETE

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 306	311	317	319	322	323	324	328	329	330	331
		8.1922 - GASKET, REDUCTION GEAR HOUSING											
1C	**5192335**	GASKET		1									
		8.1940 - BEARING											
1C	**457262**	BEARING		1									
	5198116	SPACER (.580")		1									
	127694	LOCKWASHER		1									
	127717	NUT		1									
		8.1945 - BEARING, REDUCTION GEAR SHAFT											
1C	**5198126**	BEARING		1									
	5198117	PLATE, BEARING RETAINING		1									
	5198114	SPACER (3 1/2"I.D.X2 1/2"L.)		1									
	179839	BOLT, 3/8"-16X1" (12.9001)		6									
	103321	LOCKWASHER, 3/8" (12.9200)		6									
		8.1950 - SEAL, REDUCTION GEAR SHAFT OIL											
1C	**5198120**	SEAL		1									
		8.1965 - BREATHER, REDUCTION GEAR											
1C,F	**5193090**	PIPE (9.1410)		1									
1C,F	**6419440**	CAP		1									

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	338	341	342	345	346	348	358	361
		8.1001 - POWER TAKE-OFF ASSY.													
		A POWER TAKE-OFF ASSY. INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1455 AND 8.1470 THRU 8.1700 LESS BEARINGS IN 8.1450 EXCEPT PTO MARKED #.													
	5145703	# POWER TAKE-OFF ASSY.	1	1											
	5145702	# POWER TAKE-OFF ASSY.			1	1									
	5145649	POWER TAKE-OFF ASSY., SAE #1/2					1								
	5103764	POWER TAKE-OFF ASSY., SAE #1												1	
	5116764	+ # POWER TAKE-OFF ASSY., SAE #1/2						1	1						
1B	5108510	POWER TAKE-OFF ASSY.								1					
	5148552	POWER TAKE-OFF ASSY.									1				
	5104726	POWER TAKE-OFF ASSY.													1
	5148550	POWER TAKE-OFF ASSY.										1			
1B	5193785	KEY, 1"X1"X8 1/2"					1	1	1	1	1	1			1
1B	5192127	KEY, 3/4"X3/4"X7 1/2"												1	
	186678	BOLT, 3/8"-16X1" (12.9001)		12											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			12										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	12			12									
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			8										
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				8									
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	8												
	9414215	BOLT, 3/8"-16X2 1/2" (12.9001)		8											
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)												12	
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)					12	12	12	12	12	12			12
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)						6	6			6			
	426449	BOLT, 5/8"-11X1 5/8" (12.9001)					6			6	6				6
	103345	WASHER, 5/8" (12.9120)													2
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR									
	103322	LOCKWASHER, 7/16" (12.9200)												AR	
	103323	LOCKWASHER, 1/2" (12.9200)					AR	AR	AR	AR	AR	AR			AR
	103325	LOCKWASHER, 5/8" (12.9200)					6	6	6	6	6	6			8
		# COMPONENTS NOT SERVICED BY D.D.A. PROCURE THRU TWIN DISC CORPORATION.													
		+ OBSOLETE.													
		8.1010 - HOUSING, CLUTCH													
1B	5195467	HOUSING (SAE #1/2)					1			1					
1B	5195465	HOUSING (SAE #1/2)						1	1		1	1			
1B	5198103	HOUSING (SAE #1/2)													1
1B	5149534	HOUSING (SAE #1)												1	
	5190957	FITTING (8.1130)					2				2			2	
	191758	FITTING, LUBE (12.9540)					3	2	2	2					
	145692	FITTING, LUBE 1/4" (CAD.) (12.9540)								2					
	5196425	PLUG (YOKE SHAFT HOLE)						2				2			
		8.1013 - HOUSING, CLUTCH BEARING													
	5199413	HOUSING					1				1	1			
	5193777	HOUSING						1	1						
	5195468	HOUSING								1					
	5193066	FITTING, LUBE (8.1130)					1				1	1			
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)					6	6	6	6	6	6			
	103325	LOCKWASHER, 5/8" (12.9200)					6			6	6				

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	338	341	342	345	346	348	358	361
		8.1013 - HOUSING, CLUTCH BEARING (CONT'D)													
	115553	LOCKWASHER, 5/8" INT. TEETH (12.9200)							6			6			
		8.1017 - CLUTCH ASSY.													
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.													
	5196926	CLUTCH ASSY. (18", 2 PLATE FERAMIC) (PAGE A1)					1			1					1
	5199384	CLUTCH ASSY. (14") (PAGE B1)												1	
	5195429	CLUTCH ASSY. (18") (PAGE A1)									1				
1B	5193779	KEY (5/8"X3/4"X3 3/4")									1				
1B	5194429	KEY (5/8"X3/4"X5 1/4")					1			1					1
1B	5192126	KEY (1/2"X3/4"X3 1/2")												1	
		8.1018 - RING, CLUTCH DRIVING													
1C	5193788	RING (18" DIA. X 1 1/8"W.)									1				
1C	5194428	RING (18" DIA. X 3 1/16"W.)					1			1					1
1C	5192128	RING, 14"												1	
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)												8	
	103323	LOCKWASHER, 1/2" (12.9200)												8	
		8.1035 - PLATE, DRIVING													
		A PLATE ASSY. INCLUDES HUB AND PLATE WHICH ARE NOT SERVICED SEPARATELY.													
	5193746	PLATE ASSY.						1	1			1			
		8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE													
1B	5199836	COVER						1	1		1				1
	5149357	PLATE-INSTRUCTION					1					1		1	
	5199835	PLATE-INSTRUCTION								1					
1B	131375	SCREW, 1/4"-20X3/8" RD. HD. SL. (12.9025)					2	2	2	2	2	2		2	2
		8.1070 - GASKET, CLUTCH HOUSING INSPECTION HOLE COVER													
1B	5192416	GASKET					1	1	1	1	1	1		1	1
		8.1270 - SHAFT, CLUTCH RELEASE													
1B	5193782	SHAFT					1			1	1				1
1B	5192251	SHAFT												1	

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	338	341	342	345	346	348	358	361
		8.1275 - YOKE, CLUTCH RELEASE													
		A YOKE ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1275.													
	5192117	YOKE ASSY.												1	
1B	**5193773**	YOKE ASSY.					1			1	1				1
	113782	KEY, 1/4"X1" WOODRUFF (12.9350)					2			2	2			2	2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					2			2	2			2	2
	103321	LOCKWASHER, 3/8" (12.9200)					2			2	2			2	2
		8.1320 - HOSE, CLUTCH RELEASE BEARING													
	5192266	HOSE, FLEX (7 5/8" L.)												1	
	122366	NUT, 5/8"-18 HEX. (12.9120)												1	
		8.1450 - BEARING, CLUTCH PILOT													
1A	**907295**	BEARING (N.D. 55606) DBL. ROW BALL	1	1											
1A	**907594**	BEARING (N.D. 99606X1C) (1.4040)			1	1									
1A	**7451462**	BEARING (1.4040)						1							
	5162780	SEAL, GREASE (1.4042)						1							
		8.1470 - LEVER, CLUTCH HAND CONTROL													
		A LEVER ASSY. INCLUDES ITEMS IN 8.1470.													
1B	**5196641**	LEVER ASSY.					1			1	1				1
1B	**5193208**	LEVER ASSY.												1	
1B	**5192119**	LEVER ASSY.												1	
1B	**454906**	BOLT, 3/8"-16X1 1/2" CAD. (12.9001)					1								
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)								1	1			1	1
1B	**103321**	LOCKWASHER, 3/8" (12.9200)					1			1	1			1	1
		8.1670 - SHAFT, CLUTCH DRIVE													
1B	**5199399**	SHAFT					1								
1B	**5193745**	SHAFT						1	1						
1B	**5195469**	SHAFT								1					
1B	**5199892**	SHAFT									1				
	5149434	SHAFT												1	
	5199894	SHAFT										1			
1C	**5198108**	SHAFT													1
1B	**5194259**	WASHER					1			1	1				1
1F	**5198110**	WASHER													1
1B	**5192125**	LOCKWASHER												1	
1B	**5193778**	NUT					1			1	1				1
1B	**5192124**	NUT, 1 3/4"-10												1	
1F	**5198111**	NUT													1
		8.1680 - BEARING, CLUTCH DRIVE SHAFT													
1C	**907520**	BEARING (N.D. 7520X1A)					1				1	1			
	901321	BEARING (A-301044)													1
1B	**107364**	CUP						2	2	2					
1B	**455474**	CONE						2	2	2					

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	338	341	342	345	346	348	358	361
	8.1685	**- FITTING, CLUTCH DRIVE SHAFT BEARING GREASE**													
	191758	FITTING, LUBE (12.9540)												2	
	8.1686	**- SEAL, CLUTCH DRIVE SHAFT BEARING GREASE**													
	5198122	SEAL													1
	8.1690	**- RETAINER, CLUTCH DRIVE SHAFT BEARING**													
1B	**5193776**	RETAINER						1	1	1					
	5198106	RETAINER													1
	5149533	RETAINER												1	
	9413418	RING												2	
	179858	BOLT, 7/16"-14X1" (12.9001)													4
	103322	LOCKWASHER, 7/16" (12.9200)													4

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	338	341	342	345	346	348	358	361
		8.1700 - LOCK, CLUTCH DRIVE SHAFT BEARING RETAINER													
1B	3223379	PLATE, LOCK						1	1	1				1	
	5199411	RING, SNAP (EXTERNAL)					2								
	5199412	RING, SNAP (INTERNAL)					1				1	1			
	5199897	RING, SNAP (EXTERNAL)									1	1			
1B	179812	BOLT, 5/16"-18X1/2" (12.9001)						1	1	1				1	
1B	103320	LOCKWASHER, 5/16" (12.9200)						1	1	1				1	
		8.1895 - SUPPORT, POWER TAKE-OFF													
10A	5183176	BRACKET			1										
10A	5171150	BRACKET				1									
	5134616	SUPPORT													2
10A	5123271	BRACKET (L.H.)								1	1				
10A	5123272	BRACKET (R.H.)								1	1				
	5123463	SHIM (.005" THK.)								1	1				
	5184950	SHIM (.005" THK.) (11.1073)													1
	5184949	SHIM (.015" THK.) (11.1073)													1
	5123464	SHIM (.031" THK.)								1	1				
	5134772	SHIM (.062" THK.)													1
	5188113	SHIM (.062" THK.) (11.1080)													1
	5123465	SHIM (.062" THK.)								1	1				
	5134744	SHIM (.125" THK.)													1
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)			6	6				6					
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)													4
	181436	BOLT, 1/2"-20X2 1/4" (12.9001)								6	6				
	109858	BOLT, 1/2"-20X1 7/8" (12.9001)													6
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)								6	6				
	100080	BOLT, 5/8"-18X3" (12.9001)													2
	5121674	WASHER, 1/2" BEVEL (11.1073)								6					
	5167615	WASHER, 1/2" BEVEL (11.1073)									6				
	103323	LOCKWASHER, 1/2" (12.9200)			6	6					6				6
	103322	LOCKWASHER, 7/16" (12.9200)													4
	103028	NUT, 1/2"-20 (12.9120)								6	6				6
		8.1900 - HOUSING, POWER TAKE-OFF ADAPTOR													
1A	5101396	HOUSING		1											
1A	5117491	HOUSING			1										
1A	5133433	ADAPTOR ASSY. (INCLUDES PIN IN 8.1900)	1			1									
	5151576	PIN, DOWEL (1.1001)	1												
1A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2			2									
1A	9409914	BOLT, 3/8"-16X4 3/4" (12.9001)	2			2									
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		12											
1A	190256	BOLT, 1/2"-13X4 1/2" (12.9001)	4			4									
	103341	WASHER, 3/8" FLAT (12.9190)	4												
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR									
	103322	LOCKWASHER, 7/16" (12.9200)		12											
	103323	LOCKWASHER, 1/2" (12.9200)				4									
		8.1901 - GASKET, POWER TAKE-OFF ADAPTOR HOUSING													
1A	5121714	GASKET (1.3170)			1										

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	338	341	342	345	346	348	358	361
		8.1902 - SEAL, POWER TAKE-OFF ADAPTOR HOUSING OIL													
1A	**5115454**	SEAL (1.3040)			1										
		8.1904 - SHAFT, POWER TAKE-OFF ADAPTOR STUD													
	5136411	SHAFT											1		
		8.1905 - ADAPTOR, POWER TAKE-OFF TO CLUTCH													
1A	**5179864**	ADAPTOR	1												
1A	**5132665**	ADAPTOR		1											
1A	**5167291**	ADAPTOR			1	1									
	5187323	LOCKWIRE (11.1070)	3	3											
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)			6	6									
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			2										
	190770	BOLT, 1/2"-13X3 1/4" (12.9001)			6										
	225631	BOLT, 5/8"-18X3 1/4" (12.9001)	6	6											
	103321	LOCKWASHER, 3/8" (12.9200)			8	6									
	103323	LOCKWASHER, 1/2" (12.9200)			6										
		8.1907 - CONE, POWER TAKE-OFF ADAPTOR													
	5124552	CONE (1.3250)	1												
	5131104	RING, CONE DRIVE	1												
		8.1908 - PULLEY, CRANKSHAFT FRONT POWER TAKE-OFF													
	5169905	PULLEY			1	1									
		8.1910 - COUPLING ASSY., POWER TAKE-OFF													
1A	**5179886**	COUPLING	1												
1A	**5130605**	COUPLING		1											
1A	**5167273**	COUPLING			1	1									
1A	**5101942**	COUPLING ASSY.											1		
	5127130	ADAPTOR, COUPLING											1		
	7450944	BEARING, COUPLING											1		
	9152466	SEAL, BEARING											1		
	5127300	SPACER, BEARING											1		
	191758	FITTING (12.9540)											1		
	9152465	RETAINER, BEARING											1		
	5127184	GASKET (TO BELL) (1.5020)											1		

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	338	341	342	345	346	348	358	361
		8.1910 - COUPLING ASSY., POWER TAKE-OFF (CONT'D)													
1A	117982	KEY, 3/8"X1 1/4" WOODRUFF (12.9350)	2		2	2									
1A	5131281	KEY, 1/2"X3/8"X2 1/4"		1											
1A	5122911	BOLT, 1"-14X2 1/4" (12.9001)	1		1	1									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											12		
1A	5157930	WASHER (1.3290)	1		1	1									
	103321	LOCKWASHER, 3/8" (12.9200)											12		
	272914	NUT, 1 1/4"-12 HEX. (12.9140)	1												
		8.1920 - HOUSING, REDUCTION GEAR													
		A HOUSING ASSY., INCLUDES HOUSING AND COVER WHICH ARE NOT SERVICED SEPARATELY, DOWEL PINS AND 12 BOLTS IN 8.1920.													
1C	5198129	HOUSING ASSY.													1
1F	5192346	SPANNER (LOCK)													4
	5198123	PLUG (OIL LEVEL)													1
	5145014	PLUG, 3/8" (12.9550)													1
	5198104	PIN, DOWEL													2
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)													12
	179929	BOLT, 5/8"-11X1 3/4" (12.9001)													8
	103322	LOCKWASHER, 7/16" (12.9200)													12
		8.1922 - GASKET, REDUCTION GEAR HOUSING													
	5192335	GASKET													1
		8.1925 - PLATE, REDUCTION GEAR COVER													
	5198119	COVER													1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)													6
	103321	LOCKWASHER, 3/8" (12.9220)													6

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	338	341	342	345	346	348	358	361
		8.1926 - GASKET, REDUCTION GEAR COVER PLATE													
1C	**5198121**	GASKET, HOUSING COVER													1
1C	**5198118**	GASKET, BEARING COVER													1
		8.1928 - GEAR, REDUCTION GEAR DRIVE													
1C	**5198109**	GEAR (38 TEETH)													1
1C	**5198107**	KEY, 3/8"X3/8"X4.62"													2
		8.1930 - GEAR, REDUCTION GEAR DRIVEN													
		A GEAR ASSY. INCLUDES ITEMS IN 8.1933.													
1C	**5198113**	GEAR (66 TEETH)													1
1C	**5198115**	KEY, 3/8"X3/8"X4.31"													2
		8.1935 - SHAFT, REDUCTION GEAR													
1C	**5198112**	SHAFT													1
		8.1940 - BEARING, REDUCTION GEAR SHAFT PILOT													
1C	**457262**	BEARING													2
1C	**5198116**	SPACER, .580"													1
	127694	LOCKWASHER													1
	127717	NUT													1
		8.1945 - BEARING, REDUCTION GEAR SHAFT													
1C	**5198126**	BEARING													1
	5198117	PLATE, BEARING RETAINER													1
	5198114	SPACER, 3 1/2" I.D.X2 1/2" L.													1
	179839	BOLT, 3/8"-16X1" (12.9001)													6
	103321	LOCKWASHER, 3/8" (12.9200)													6
		8.1950 - SEAL, REDUCTION GEAR SHAFT OIL													
1C	**5198120**	SEAL													1
		8.1965 - BREATHER, REDUCTION GEAR													
1C,1F	**5193090**	PIPE (9.1410)													1
1C,1F	**6419440**	CAP													1
		8.1966 - KIT, BREATHER FILTER; POWER TAKE OFF													
	5149355	KIT													1

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3643	TYPES 3370
		8.1001 - POWER TAKE-OFF ASSY.		
		A POWER TAKE-OFF ASSY. INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1455 AND 8.1470 THRU 8.1700 LESS BEARINGS IN 8.1450 EXCEPT PTO MARKED #.		
	5145703	# POWER TAKE-OFF ASSY.	1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	12	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	8	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	
		# COMPONENTS NOT SERVICED BY D.D.A. PROCURE THRU TWIN DISC CORPORATION.		
		8.1450 - BEARING, CLUTCH PILOT		
1A	**907295**	BEARING (N.D. 55606) DBL. ROW BALL	1	1
		8.1900 - HOUSING, POWER TAKE-OFF ADAPTOR		
1A	**5101396**	HOUSING		1
1A	**5133433**	ADAPTOR ASSY. (INCLUDES PIN IN 8.1900)	1	
	5151576	PIN, DOWEL (1.1001)	1	
1A	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)	2	
1A	**179862**	BOLT, 7/16"-14X1 1/2" (12.9001)		12
1A	**9409914**	BOLT, 3/8"-16X4 3/4" (12.9001)	2	
	190256	BOLT, 1/2"-13X4 1/2" (12.9001)	4	
	103321	LOCKWASHER, 3/8" (12.9190)	2	
	103323	LOCKWASHER, 1/2" (12.9190)	4	
	103322	LOCKWASHER, 7/16" (12.9190)		12
		8.1905 - ADAPTOR, POWER TAKE-OFF TO CLUTCH		
1A	**5179864**	ADAPTOR	1	
1A	**5132665**	ADAPTOR		1
1A	**5187323**	LOCKWIRE (11.1070)	3	3
1A	**225631**	BOLT, 5/8"-18X3 1/4" (12.9001)	6	6
		8.1907 - CONE, POWER TAKE-OFF ADAPTOR		
1A	**5124552**	CONE (1.3250)	1	
1A	**5131104**	RING, CONE DRIVE	1	
		8.1910 - COUPLING ASSY; POWER TAKE-OFF		
1A	**5102889**	COUPLING ASSY.	1	
1A	**5102939**	COUPLING ASSY.		1
1A	**5131724**	KEY, 3/8"X1" (12.9350)	2	
1A	**5131281**	KEY, 1/2"X2 1/4" (12.9350)		1
1A	**5153623**	BOLT, 1"-14X2 1/4" (12.9001)	1	
1A	**5157930**	WASHER (1.3290)	1	
1A	**272914**	NUT, 1 1/4"-12 (12.9140)		1

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.1017 - CLUTCH ASSY.														
	5125673 *	CLUTCH ASSY. (14") (5196869)					1		1							
	5195429	CLUTCH ASSY. (18")					1	1								
	5195470 *	CLUTCH ASSY. (18") (5199277)														
	5196869 @	CLUTCH ASSY. (14") (5198384)	1													
	5196876 @	CLUTCH ASSY. (14") (5198385)				1										
	5196926	CLUTCH ASSY. (18") (FERAMIC, DOUBLE PLATE)								1						
	5197881	CLUTCH ASSY. (11 1/2")			1							1				
	5197885 *	CLUTCH ASSY. (11 1/2") (5194948)		1							1					
	5197887 @	CLUTCH ASSY. (8") (5198993)														
	5198142	CLUTCH ASSY. (17")														
		* NOT SERVICED, USE ASSY. SHOWN IN PARENTHESES.														
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR REPLACEMENT USE ASSY. SHOWN IN PARENTHESES.														
		8.1030 - FACING, CLUTCH														
1B,D	**5188013**	FACING (1 PIECE)	1			2			1							
1D	**5197890**	FACING		1												
1B,D	**5197884**	FACING			1							1				
1B,D	**5193874**	FACING (1 PIECE)					1	2								
1B	**5196722**	FACING (FERAMIC) (1 PIECE)								2						
		8.1080 - PLATE, CLUTCH PRESSURE														
1B,F	**5192824**	PLATE (INNER)	1			1			1							
1F	**5192825**	PLATE (OUTER)	1						1							
1B	**5194142** #	PLATE (OUTER)		1												
1B	**5193415**	PLATE (INNER)		1												
1C	**5194141** &	PLATE (OUTER)			1											
1B	**5192834**	PLATE (OUTER)				1										
1B	**5192835**	PLATE (CENTER)				1										
1D,F	**5193866**	PLATE (INNER)					1	1		1						
1D,F	**5193864**	PLATE (OUTER)					1									
1B	**5194433**	PLATE (CENTER)						1		1						
	5198013	PLATE (OUTER)									1					
	5198014	PLATE (CENTER)									1					
	5102884	PLATE ASSY. (INNER) (INCLUDES FACING NOT SERVICED SEPARATELY)									1					
1B	**5194951**	PLATE (OUTER)										1				
1B	**5194950**	PLATE (CENTER)										1				
1B	**5194390** &	PLATE ASSY. (INNER) (INCLUDES ADJUSTING LOCK, BOLT, LOCKWASHER IN8.1144)			1											
1B	**5194434**	PLATE ASSY. (OUTER) (INCLUDES PINS)						1		1						

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.1080 - PLATE, CLUTCH PRESSURE (CONT'D)														
	5195245	PIN, RELEASE SPRING GUIDE						4		4						
	5194953	PIN, SPRING (5/16"X1 1/2") (12.9300)										3				
		# NOT SERVICED; USE KIT 5198658 IN 8.1085.														
		& FOR FRONT POWER TAKE-OFF ASSY., REPLACE WITH 1-5197316 PLATE (OUTER), 1-5197314 PLATE (INNER) AND 1-5197315 SLEEVE IN 8.1285.														
		8.1085 - KIT, CLUTCH PRESSURE PLATE														
		INCLUDES 1-5198995 PLATE, 1-5198994 PLATE & 6-5193414 SPRINGS.														
	5198658	CONVERSION KIT, CLUTCH PRESSURE PLATE		1												
		8.1100 - SPRING, CLUTCH TOGGLE LEVER														
	5122926 #	SPRING	1			1			1							
1C,D	**5194139**	SPRING		1												
1C,D	**5194138**	SPRING			1							1				
		# THRU 6VA-29241, 8VA-23789 NOT SERVICED; FOR REPLACEMENT USE KIT 5198299 SHOWN IN 8.1101.														
		8.1101 - KIT, CLUTCH RELEASE SPRING														
		INCLUDES ITEMS IN 8.1100, 8.1142.														
	5148299	KIT	1			1			1							
		8.1135 - SPRING, CLUTCH PRESSURE PLATE RETURN														
1C	**5193414**	SPRING		3												
1C	**5193431**	SPRING			3											
1F	**5194079**	SPRING (INNER)					4									
1F	**5194078**	SPRING (OUTER)					4									
1F	**5194432**	SPRING (INNER)						4		4						
1F	**5194431**	SPRING (OUTER)						4		4						
1E	**5198575**	SPRING									6					
1C	**5194952**	SPRING										3				
1E	**5198028**	STUD									6					

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.1135 - SPRING, CLUTCH PRESSURE PLATE RETURN(CONT'D)														
1E	**5195477**	WASHER (#9000-12) (8.1010)									12					
1E	**103340**	WASHER, 11/32" FLAT (12.9190)									6					
		8.1142 - LEVER, CLUTCH RELEASE YOKE														
1B	**5122925**	LEVER	4			4			4							
1C,D	**5194140**	LEVER		3	3							3				
	5195412	LEVER ASSY. (INCLUDES 1-5193872, 1-5193871, 1-5192135, 1-5193875 AND3.148402)					4	4		4						
1B	**5195490**	BLOCK SET (INCLUDES SCREWS AND LOCKWASHERS)									1					
1B	**5195482**	SHAFT ASSY. (INCLUDES FITTING)									1					
1B	**5192134** #	PIN	4			4			4							
1C,D	**5193422**	PIN		3	3							3				
	5193873	PIN					4	4		4						
	5193872	PIN (ROLLER)					4	4		4						
	5193871	ROLLER					4	4		4						
1B	**5192135** *	RING, RETAINING	4			4	8	8	4	8						
1C,D	**5192142**	RING, RETAINING		3	3							3				
	148402	BEARING, NEEDLE				12	12		12	12						
	271284	FITTING, GREASE								3						
	132255	SCREW, 1/4"-20X1/2" (12.9010)									6					
	5193875 *	WASHER (1/2"I.D.)					8	8		8						
	114604	LOCKWASHER, 1/4" (12.9200)									6					
		# THRU 6VA-29241, 8VA-23789 NOT SERVICED, FOR REPLACEMENT USE KIT 5198299 SHOWN IN 8.1101.														
		* FOUR PIECES NOT PART OF 5195412 LEVER ASSY. IN COLUMN E, F, J.														
		8.1144 - NUT, CLUTCH ADJUSTING														
1F	**5196872**	NUT ASSY. (INCLUDES ITEMS IN 8.1145 AND 8.1146)	1			1			1							
1C,D	**5197889**	NUT		1												
1C,D	**5193424** *	NUT		1												
1C,D	**5193430** *	NUT			1							1				
1C,D	**5197883**	NUT			1							1				
1C,D	**5193865**	NUT					1	1		1						
		* THRU 6VA-20879, 8VA-11021, 12VA-3266 NOT SERVICED, REPLACE WITH 5197889 OR 5197883 NUT AND INCLUDE 1-5197888 OR 5197882 WEAR PLATE IN 8.1146.														

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.1145 - LOCK, CLUTCH ADJUSTING NUT														
	5196725	LOCK, ADJUSTING	1			1			1							
1C,D	**5196866**	LOCK, ADJUSTING		1												
1C,D	**5196867**	LOCK, ADJUSTING			1							1				
1C,D	**5194105**	LOCK (8.1145)					1	1		1						
	5198016	LOCK, ADJUSTING									1					
	5196726	PIN, ADJUSTING LOCK SPRING	1			1			1							
	5196727	SPRING, ADJUSTING LOCK	1			1			1							
	9407387	SCREW, #10-1/2" DRIVE	3			3			3							
	110499	SCREW, #10-24X3/8" RD. HD. (12.9025)	1			1			1							
1C,D	**179789**	BOLT, 1/4"-20X3/8" (12.9001)		1	1							1				
1C,D	**180121**	BOLT, 3/8"-16X7/8" (12.9001)					1	1		1						
	120217	LOCKWASHER, #10 (12.9200)	1			1			1							
	114604	LOCKWASHER, 1/4" EXT. TOOTH (12.9210)		1	1							1				
	178551	LOCKWASHER, 3/8" INT., EXT. TOOTH (12.9215)					1	1		1						
		8.1146 - PLATE, CLUTCH ADJUSTING NUT LOCK WEAR														
	5196724	PLATE, WEAR	1			1			1							
	5197888	PLATE, WEAR		1												
	5197882	PLATE, WEAR			1							1				
	5198018	PLATE, WEAR									1					
		8.1147 - PINION, CLUTCH ADJUSTING RING														
	5194103	PINION					1	1		1						
	5194102	STUD					1	1		1						
	5194104	WASHER, SPRING					1	1		1						
	5193875	WASHER (1/2" I.D.) (8.1142)					1	1		1						
	271448	PIN, 5/32"X1" ROLL (STUD RETAINING)					1	1		1						
	5192135	RING, RETAINING (8.1142)					1	1		1						
	5198015	RING, ADJUSTING									1					
	5198017	SCREW (3/8"-24)									2					
	120369	NUT, 3/8"-24 HEX.									2					
		8.1285 - SLEEVE, CLUTCH RELEASE														
1B,D	**5192139**	SLEEVE	1			1			1							
1B	**5193417**	SLEEVE		1												
1C	**5193432** *	SLEEVE			1							1				
1B,D	**5195431** #	SLEEVE					1	1		1						
	5198020	SLEEVE ASSY. (INCLUDES ITEMS IN 8.1290 AND 8.1293)									1					

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.1285 - SLEEVE, CLUTCH RELEASE (CONT'D)														
		* FOR FRONT POWER TAKE-OFF ASSY. REPLACE WITH 1-5197316 PLATE (OUTER), 1-5197314 PLATE (INNER) AND 1-5197315 SLEEVE.														
		, 1-5197314 PLATE (INNER) AND 1-5197315 SLEEVE.														
		# INCLUDES BUSHING WHICH IS NOT SOLD SEPARATELY.														
		8.1290 - BEARING, CLUTCH RELEASE														
	904914	BEARING					1	1		1						
	903216	BEARING									1					
		8.1295 - COLLAR, CLUTCH RELEASE														
1B,D	**5197139**	COLLAR ASSY. (INCLUDES 2 BOLTS AND NUTS)	1			1			1							
1B,C	**5196715**	COLLAR ASSY. (INCLUDES 2 BOLTS AND NUTS)		1	1							1				
1B,D	**5195434**	COLLAR					1	1		1						
	5198022	COLLAR									1					
1B,D	**5195435**	RING, RETAINING (INTERNAL)					1	1		1						
1B,D	**5195436**	RING, RETAINING (EXTERNAL)					1	1		1						
	5198021	RING, RETAINING									1					
	5198023	PLATE, LOCK									1					
	5198024	BOLT, LOCK									6					
1B,C	**100018**	BOLT, 5/16"-24X2" (12.9001)		2	2							2				
1B,D	**106288**	BOLT, 3/8"-24X2 1/4" (12.9001)	2			2			2							
1B,D	**192481**	NUT, 3/8"-24 HEX. LOCK (12.9140)	2			2			2							
1B,C	**214279**	NUT, 5/16"-24 ELASTIC STOP HEX. (12.9120)		2	2							2				
		8.1315 - LINK, CLUTCH RELEASE YOKE														
1B,D	**5192140**	LINK	8			8			8							
1B,C	**5193421**	LINK		6	6							6				
1B	**5198026**	LINK									3					
1B,D	**5192141**	PIN	8			8			8							
1B,C	**5193420**	PIN		6	6							6				
1B	**5195486**	PIN									3					
1B	**5195485**	PIN									3					
1B,D	**5192142**	RING, RETAINING (8.1142)	8			8			8							
1B,C	**5192176**	RING, RETAINING		6	6							6				
	446200	WASHER, 3/8"X3/4" FLAT									6					

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.1017 - CLUTCH ASSY.														
	5198993	CLUTCH ASSY. (8")								1						
	5197312	CLUTCH ASSY. (11 1/2")							1							
	5199451	CLUTCH ASSY. (11 1/2")										1				
	5197497	* CLUTCH ASSY. (14")		1												
	5198386	CLUTCH ASSY. (14")			1		1									
	5198384	CLUTCH ASSY. (14")				1										
	6769083	CLUTCH ASSY. (15")	1													
	6772609	CLUTCH ASSY. (15")						1								
	5199277	CLUTCH ASSY. (18")									1					
		* NOT SERVICED; COMPONENTS ARE AVAILABLE.														
		8.1030 - FACING, CLUTCH														
1C	**6771389**	FACING	1					1								
1B	**5188013**	FACING (SINGLE PIECE DISC) (14")		2	2	1	2									
	5197884	FACING (11 1/2")							1							
1D	**5197890**	FACING								1						
	5193874	FACING (18")									2					
1C	**5199519**	+ FACING (#6614A)										1				
		+ NOT SERVICED. PROCURE THRU TWIN DISC INC. 1328 RACINE ST. RACINE WIS. 53403 FURNISH THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.1080 - PLATE, CLUTCH PRESSURE														
1C	**6771390**	PLATE, INNER	1					1								
1C	**6771388**	PLATE, OUTER	1													
	5192835	PLATE, CENTER		1	1		1									
1B	**5192824**	PLATE, INNER		1	1	1	1									
1B	**5192834**	PLATE, OUTER		1	1		1									
	5192825	PLATE, OUTER				1										
	6775111	PLATE, INNER						1								
	6775110	PLATE, OUTER						1								
	5197316	PLATE, OUTER							1							
	5197314	PLATE, INNER							1							
1B	**5198995**	PLATE, INNER								1						
1B	**5198994**	PLATE, OUTER								1						
	5194433	PLATE, CENTER								1	1					
	5193866	PLATE, INNER									1					
1C	**5199514**	PLATE, OUTER										1				
1C	**5199517**	PLATE, INNER										1				
	5194434	PLATE ASSY. (OUTER) (INCLUDES PINS)									1					
	5195245	PIN, RELEASE SPRING GUIDE									4					
		8.1085 - KIT, CLUTCH PRESSURE PLATE														
		INCLUDES 1-5198995 PLATE, 1-5198994 PLATE AND 6-5193414 SPRINGS.														

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.1085 - KIT, CLUTCH PRESSURE PLATE (CONT'D)														
	5198658	KIT, CONVERSION								1						
		8.1100 - SPRING, CLUTCH TOGGLE LEVER														
	5122926	# SPRING		1				1								
	5198388	* SPRING		4	4	4			1							
1C,D	**5194138**	SPIRNG								1						
	5194139	SPRING														
		# NOT SERVICED, FOR REPLACEMENT USE KIT 5198299 SHOWN IN 8.1101.														
		* PART OF 5198299 KIT SHOWN IN 8.1101.														
		8.1101 - KIT, CLUTCH RELEASE SPRING														
		INCLUDES ITEMS IN 8.1100, 8.1142.														
	5198299	KIT		1				1								
		8.1135 - SPRING, CLUTCH PRESSURE PLATE RETURN														
1C	**6771377**	SPRING (COIL)	4													
1C	**6775097**	SPRING (COIL)						4								
1C	**5193431**	SPRING							6							
1C	**5193414**	SPRING (COIL)								6						
1D	**5194431**	*SPRING (COIL) (OUTER)*									4					
1C	**5194432**	SPRING (COIL) (INNER)									4					
1C	**5199515**	SPRING (COIL)										8				
	6771375	SEAT, SPRING	8					8								
	5199513	BOLT										8				
		8.1142 - LEVER, CLUTCH RELEASE YOKE														
1B	**5122925**	LEVER		4	4	4	4									
	6775061	LEVER (TOGGLE)						1								
1C,D	**5194140**	LEVER							1	3						
	5199510	+ LEVER (#A3271)										4				
	5195412	LEVER ASSY. (INCLUDES BEARING, WASHER, ROLLER PIN & RING)									4					
	6771386	LEVER ASSY. (INCLUDES LINK, PIN AND RETAINER)	5													
	6771372	LINK	5													
	6771376	PIN, LINK	5					5								
		+ NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE WIS. 53403. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.														

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.1142 - LEVER, CLUTCH RELEASE YOKE (CONT'D)														
	6771376	PIN, LINK (LEVER ASSY. TO ADJUSTING NUT)	5													
	6771382	PIN, LINK (LEVER ASSY. TO RELEASE SLEEVE)	5					5								
1B	**5192134** #	PIN		4												
	5198387 *	PIN			4	4	4		3	3	4					
1C,D	**5193422**	PIN									4	4				
	5193872	PIN														
	5193873	PIN										4				
	5199520	PIN										4				
	9034425	PIN									4					
	5193871	ROLLER									12					
	148402	BEARING (2.7100)	20					20								
	6771407	RETAINER, LINK PIN		4	4	4	4		3	3	8					
1B	**5192135** *	RING, RETAINING			8	8	8				8					
1C,D	**5192142**	RING, RETAINING														
	103343 *	WASHER, 1/2" FLAT (12.9190)														
	5193875	WASHER (1/2"X7/8"X.064")														
		# *NOT SERVICED, FOR REPLACEMENT USE KIT 5198299 SHOWN IN 8.1101.*														
		* PART OF 5198299 KIT SHOWN IN 8.1101.														
		8.1144 - NUT, CLUTCH ADJUSTING														
1C	**6771384**	NUT	1													
	6775107	NUT						1								
1C,D	**5197883**	NUT							1							
1C	**5197889**	NUT								1						
1F	**5196872**	NUT ASSY. (INCLUDES ITEMS IN 8.1145 AND 8.1146)		1	1	1	1									
	6771383	RING, CLUTCH PRESSURE PLATE THRUST	1								1					
	5193865	RING, CLUTCH ADJUSTING														
		8.1145 - LOCK, CLUTCH ADJUSTING NUT														
	6771374	LOCK, ADJUSTING	1													
	5196725	LOCK, ADJUSTING		1	1	1	1				1					
	5194105	LOCK, ADJUSTING							1							
1C,D	**5196867**	LOCK, ADJUSTING								1						
1C,D	**5196866**	LOCK, ADJUSTING						1								
	6775106	RING, CLUTCH PRESSURE PLATE THRUST	1													
	6771373	SPRING, ADJUSTING LOCK		1	1	1	1									
	5196727	SPRING, ADJUSTING LOCK						1								
	6775093	SPRING, ADJUSTING LOCK														
	453676	PIN, 1/8"X1" ROLL (12.9275)	1													

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.1145 - LOCK, CLUTCH ADJUSTING NUT (CONT'D)														
	5196726	PIN, ADJUSTING LOCK		1	1	1	1									
	6775100	PIN, ADJUSTING LOCK						1								
	9407387	SCREW, DRIVE (#10X1/2")		3	3	3	3									
	110499	SCREW, #10-24X3/8" RD. HD. (12.9025)		1	1	1	1									
	6775099	SLEEVE, LOCK PIN						1								
1C,D	**179789**	BOLT, 3/8"-16X7/8" (12.9001)							1	1	1					
	120217	LOCKWASHER, #10 (12.9200)		1	1	1	1									
	114604	LOCKWASHER, 1/4" EXT. TOOTH (12.9210)							1	1						
	178551	LOCKWASHER, 3/8" INT. EXT. TOOTH (12.9215)									1					
		8.1146 - PLATE, CLUTCH ADJUSTING NUT LOCK WEAR														
	5196724	PLATE, WEAR		1	1	1	1									
	5197882	PLATE, WEAR							1	1						
		8.1147 - PINION, CLUTCH ADJUSTING RING														
	5194103	PINION									1					
	5194102	STUD									1					
	5194104	WASHER, SPRING									1					
	5193875	WASHER (1/2"I.D.) (8.1142)									1					
	271448	PIN, 5/32"X1" ROLL (STUD RETAINING)									1					
	5192135	RING, RETAINING (8.1142)									1					
		8.1285 - SLEEVE, CLUTCH RELEASE														
1C	**6771385**	SLEEVE	1													
1B,C	**5192139**	SLEEVE		1	1	1	1									
	5197315	SLEEVE							1							
1B	**5193417**	SLEEVE								1						
	6775108	SLEEVE (SHIFT)						1								
	5195431	SLEEVE									1					
1C	**5199516**	+ SLEEVE										1				
	5199512	+ PIN, GUIDE (#2913)										2				
		+ NOT SERVICED. PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE WIS. 53403. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.														
		8.1290 - BEARING, CLUTCH RELEASE														
	9416103	BEARING	1													
	907590	BEARING						1								
	904914	BEARING									1					
	9425312	RETAINER (LARGE)	1													

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.1290 - BEARING, CLUTCH RELEASE (CONT'D)														
	9413419	*RETAINER (SMALL)*	1													
	9413412	RETAINER (SMALL)						1								
	9413388	RETAINER (LARGE)						1								
	5195435	RING, INTERNAL SNAP									1					
	5195436	RING, EXTERNAL SNAP									1					
		8.1295 - COLLAR, CLUTCH RELEASE														
	6771387	COLLAR	1													
	6775109	COLLAR						1								
	5195434	COLLAR									1					
1B,D	**5197139**	COLLAR ASSY. (INCLUDES 2 BOLTS AND NUTS)		1	1	1	1									
1B,C	**5196715**	COLLAR ASSY. (INCLUDES 2 BOLTS AND NUTS)							1	1						
	5191674	COLLAR ASSY. (INCLUDES 2 SHIMS, 2 BOLTS, 2 NUTS)										1				
	5191675	SHIM										2				
	121932	NUT, 3/8"-24										2				
1B,C	**100018**	BOLT, 5/16"-24X2" (12.9001)							2	2						
1B	**106288**	*BOLT, 3/8"-24X2 1/4" (12.9001)*		2	2	2	2					2				
1B,C	**214279**	NUT, 5/16"-24 ELASTIC STOP HEX. (12.9120)							2	2						
	192481	NUT, 3/8"-24 HEX. LOCK (12.9140)				2	2									
1B	**5191675**	NUT, 3/8"-24										2				
	8032717	NUT, 3/4"-24 ELASTIC STOP		2												
		8.1315 - LINK, CLUTCH RELEASE YOKE														
1B,D	**5192140**	LINK		8	8	8	8									
1B,D	**5193421**	LINK							6	6						
1B,C	**5199511**	LINK										4				
1B,D	**5192141**	PIN		8	8	8	8									
1B,C	**5193420**	PIN							6	6						
1B,C	**5199521**	PIN										8				
1B,C	**5199532**	PIN, 1/4" COTTER										8				
1B,D	**5192142**	RING, RETAINING (8.1142)		8	8	8	8									
1B,C	**5192176**	RING, RETAINING							6	6						

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.1974 - FILTER ASSY., POWER TAKE-OFF (FULL F LOW)														
	5196393	FILTER ASSY. (9.3650)	1													
		8.1975 - ELEMENT, OIL FILTER														
	5573014	ELEMENT, FULL FLOW (AC TYPE PF-132 PAPER TYPE) (4.2250)	1													
		8.1976 - SHELL, OIL FILTER														
	5574008	SHELL (INCLUDES PLUG) (4.2280)	1													
	5570480	PLUG (DRAIN) (2.3050)	1													
		8.1977 - ADAPTOR, OIL FILTER														
	5123382	ADAPTOR (4.2290)	1													
	143397	PLUG, 1/4" PIPE (12.9550)	1													
		8.1978 - GASKET, OIL FILTER COVER														
	5571024	GASKET (4.2300)	1													
		8.1979 - SPRING, OIL FILTER														
	5187308	SPRING (4.2310)	1													
		8.1980 - RETAINER, OIL FILTER SPRING														
	5187309	RETAINER, SPRING (4.2315)	1													
	5120602 *	RING, RETAINER (4.2315)	1													
	122366 @	NUT, 5/8"-18 HEX. JAM (12.9120)	1													
		* THRU 6VA-17732, 8VA-8325, 12VA-2563, 16VA-168, 24A-009.														
		@ EFFECTIVE WITH 6VA-17733, 8VA-8326, 12VA-2564, 16VA-169, 24A-010.														
		8.1981 - GASKET, OIL FILTER COVER NUT														
	5187310	GASKET (RUBBER) (4.2230)	1													
	5572048	GASKET (4.2330)	1													
	5154538	WASHER (1.8182)	1													

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A
		8.1982 - STUD, OIL FILTER CENTER	
	5120740	STUD (4.2410)	1
		8.1983 - VALVE, OIL FILTER BY-PASS	
	5575088	VALVE (4.2485)	1
		8.1984 - SPRING, OIL FILTER BY-PASS VALVE	
	5575087	SPRING (4.2486)	1
		8.1985 - PLUG, OIL FILTER BY-PASS	
	5126686	PLUG (4.2488)	1
		8.1986 - GASKET, OIL FILTER BY-PASS PLUG	
	5575086	GASKET (4.2489)	1

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 199	200	246	274	275	277	293	295	298	301	307	315
		8.3001 - CONVERTER ASSY., TORQUE												
		TORQMATIC CONVERTER ASSEMBLIES ARE AVAILABLE THROUGH D.D.A.D., SALES DEPARTMENT, C/O MANAGER, ENGINE DISTRIBUTION. TORQUE CONVERTER SERIES 400 AND 500 TCD, TCDO, TCDOA DISCONNECT TYPE ALSO INCLUDE A CLUTCH IN 8.100 0A; REFERENCE CHART-PAGE 1 OF 8.3000A. COMPONENTS OF ALLISON TORQMATIC CONVERTER ASSEMBLIES ARE SHOWN IN THE ALLISON PARTS CATALOGS SA-1116 FOR 400 SERIES; SA-1057 FOR 500 SERIES; SA-1038 FOR 800 AND 900 SERIES CON VERTERS.												
	NPN	CONVERTER ASSY. (CUSTOMER FURNISHED)												1
	6758089 *	CONVERTER ASSY. (TC-575) (6830812)	1							1				
	6758092 *	CONVERTER ASSY. (TCA-575) (6830819)		1										
	6757957	CONVERTER ASSY. (TC-564)			1									
	6770191	CONVERTER ASSY. (TC-855)				1								
	6770189	CONVERTER ASSY. (TC-955)					1							
	6770190	CONVERTER ASSY. (TC-854)						1						
	6757481	CONVERTER ASSY. (TC-544)							1					
	6771113	CONVERTER ASSY. (TCA-955)									1			
	6771112	CONVERTER ASSY. (TCA-855)										1		
	6771588	CONVERTER ASSY. (TC-954)											1	
	6768267	PLATE, NAME	1	1	1	1			1	1	1	1	1	
	5120753	PLATE, SCUFF				1	1	1			1	1	1	
	192413	SCREW, #4X1/4" DRIVE (12.9067)	4	4	4	4			4	4	4	4	4	
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)	23	23	23				23	23				
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)					12	12			12	12	12	
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)				10								
	9412014	BOLT (9/16"-18X1 3/4") (HUB TO FLYWHEEL) (12.9001)	6	6					6	6				
	9412015	BOLT (9/16"-18X2 1/2") (12.9001)				6	6	6			6	6	6	
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR				AR	AR				
	103323	LOCKWASHER, 1/2" (12.9200)				AR	AR	AR	AR		AR	AR	AR	
		* NOT SERVICED; FOR COMPLETE REPLACEMENT USE ASSEMBLY SHOWN IN PARENTHESES.												
		8.3270 - SUPPORT, TORQUE CONVERTER												
10C	**5183025**	SUPPORT (BASE MODELS ONLY)	1	1										
10C	**5124562**	SUPPORT, L.H.				1		1		1		1		
10C	**5124563**	SUPPORT, R.H.				1		1		1		1		

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 199	200	246	274	275	277	293	295	298	301	307	315
		8.3270 - SUPPORT, TORQUE CONVERTER (CONT'D)												
10C	5124560	SUPPORT, L.H.					1				1	1	1	
10C	5124561	SUPPORT, R.H.					1				1	1	1	
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)	4	4										
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)				2				2				
	181435	BOLT, 1/2"-20X2" (12.9001)				5	4	5		4	4	4	4	
	181436	BOLT, 1/2"-20X2 1/4" (12.9001)				6	8	7		6	8	8	8	
	271585	BOLT, 5/8"-18X1 3/4" (12.9001)	4	4										
	5167615	WASHER, BEVEL (1/2") (11.1073)				6	6	6		6	6	6	6	
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR		AR	AR	AR		AR	AR	AR	AR	
	103325	LOCKWASHER, 5/8" (12.9200)	4	4										
	117051	NUT, 1/2"-20 HEX. (12.9120)				12	12	12		12	12	12	12	
	117053	NUT, 5/8"-18 HEX. (12.9120)	4	4										
		8.3275 - SHIM, TORQUE CONVERTER SUPPORT												
	5123463	SHIM, .005" (8.1895)					2	2	2	2	2	2	2	
	5175224	SHIM, .031" (11.1102)	1	1										
	5123464	SHIM, .031" (8.1895)				2	2	2		2	2	2	2	
	5175223	SHIM, .062" (11.1102)	1	1										
	5123465	SHIM, .062" (8.1895)				2	2	2		2	2	2	2	
		8.3600 - PUMP ASSY., CONVERTER PRESSURE												
		SEE ASSEMBLY BREAKDOWN AS INDICATED.												
	5108900	PUMP ASSY. (AUX.) (TUTHILL 0L-90 GPH) (ROTATION C.C.W.) (2.2001)												1
	5125179	ADAPTOR, PUMP DRIVE (2.2260)												1
	5153449 *	PLATE, DRIVE (1.7630)												1
	5131627 @	PLATE, DRIVE (21 TEETH)												1
	5177026	SPACER, DRIVE DISC (1.7630)												1
	3292492 *	COUPLING, DRIVE (1.7635)												1
	5143616 @	COUPLING (21 EXTERNAL TEETH)												1
	5176474	BOLT, 3/8"-24X1 1/8" (1.7630)												4
	100146	BOLT, 7/16"-14X1" (12.9001)												1
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)												2
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)												4
	5150568	WASHER, COPPER (2.4050)												1
	103322	LOCKWASHER, 7/16" (12.9200)												3
	103323	LOCKWASHER, 1/2" (12.9200)												4

* THRU 6VA-28060, 12VA-5672.
@ EFFECTIVE WITH 6VA-28061, 12VA-6573.

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 320	326	327	332	337	346	347	350	351	352	354	356
	8.3001 - CONVERTER ASSY., TORQUE													
		TORQMATIC CONVERTER ASSEMBLIES ARE AVAILABLE THROUGH D.D.A.D., SALES DEPARTMENT, C/O MANAGER, ENGINE DISTRIBUTION. TORQUE CONVERTER SERIES 400 AND 500 TCD, TCDO, TCDOA DISCONNECT TYPE ALSO INCLUDE A CLUTCH IN 8.100 0A; REFERENCE CHART-PAGE 1 OF 8.3000A. COMPONENTS OF ALLISON TORQMATIC CONVERTER ASSEMBLIES ARE SHOWN IN THE ALLISON PARTS CATALOGS SA-1116 FOR 400 SERIES; SA-1057 FOR 500 SERIES; SA-1038 FOR 800 AND 900 SERIES CON VERTERS.												
	NPN	CONVERTER ASSY. (CUSTOMER FURNISHED)		1		1					1			
	6772851	CONVERTER ASSY. (TC-854)	1											
	6772960	CONVERTER ASSY. (TC-474)			1									
	6759732 *	CONVERTER ASSY. (TC-555) (6830817)					1							
	6771443	CONVERTER ASSY. (TCA-955)						1						
	6770142	CONVERTER ASSY. (TCD-574)							1					
	6775521	CONVERTER ASSY. (TC-955)								1				
	6771111	CONVERTER ASSY. (TCDA-575)										1		
	6774884	CONVERTER ASSY. (TCA-955)											1	
	6771442	CONVERTER ASSY. (TC-955)												1
	6768267	PLATE, NAME	1		1		1	1	1			1	1	1
	5120753	PLATE, SCUFF	1					1		1			1	1
	192413	SCREW, #4X1/4" DRIVE (12.9067)	4		4		4	4	4			4	4	4
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)			23		12		12			12		
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)	12					12		12			12	12
	9412014	BOLT (9/16"-18X1 3/4") (HUB TO FLYWHEEL) (12.9001)			6		6							
	9412015	BOLT (9/16"-18X2 1/2") (12.9001)	6					6		6			6	6
	103322	LOCKWASHER, 7/16" (12.9200)			AR		AR					AR		
	103323	LOCKWASHER, 1/2" (12.9200)	AR					AR		AR			AR	AR
		* NOT SERVICED; FOR COMPLETE REPLACEMENT USE COMPONENTS OF THE ASSEMBLY SHOWN IN PARENTHESES.												
	8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT													
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5130437 #	GOVERNOR ASSY. (6960R2)				1								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				2								
	103341	WASHER, 3/8" FLAT (12.9190)				2								
	103321	LOCKWASHER, 3/8" (12.9200)				2								
	117062	NUT, 3/8"-16 HEX. (12.9120)				2								

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3200	3206	3207	3302	3307	3406	3407	3500	3501	3502	3504	3506
	8.3077	**- GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT (CONT'D)**												
		# NOT SERVICED, PROCURE FROM PIERCE *GOVERNOR CO., UPLAND, IND.* SUPPLY THEIR PART NUMBER SHOWN IN PARENTHES ES.												
	8.3083	**- BRACKET, TORQUE CONVERTER OUTPUT SHFT GOVRNOR MOUNTNG**												
	5130440	BRACKET				1								
	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)				4								
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)				4								
	103321	LOCKWASHER, 3/8" (12.9200)				4								
	8.3600	**- PUMP ASSY., CONVERTER PRESSURE**												
		SEE ASSEMBLY BREAKDOWN AS INDICATED.												
	5119881	PUMP ASSY. (AUX.) (TUTHILL #OL)		1							1			
	5125179	ADAPTOR, PUMP DRIVE (2.2260)		1							1			
	5153449 *	PLATE, DRIVE (1.7630)		1							1			
	5131627 @	PLATE, DRIVE (21 TEETH)		1							1			
	5177026	SPACER, DRIVE DISC (1.7630)		1							1			
	3292492 *	COUPLING, DRIVE (1.7635)		1							1			
	5143616 @	COUPLING (21 EXTERNAL TEETH)		1							1			
	5132580	VALVE, RELIEF (60 P.S.I.)									1			
	5119940	VALVE, RELIEF (8.3803)		1										
	179616	TEE, 1/2"X3/8"X3/8" RED. PIPE (12.9616)		1							1			
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)		1							1			
	5176474	BOLT, 3/8"-24X1 1/8" (1.7630)		4							4			
	100146	BOLT, 7/16"-14X1" (12.9001)		1							1			
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)		2							2			
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		4							4			
	5150568	WASHER, COPPER (2.4050)		1							1			
	103322	LOCKWASHER, 7/16" (12.9200)		3							3			
	103323	LOCKWASHER, 1/2" (12.9200)		4							4			

* THRU 6VA-28060, 12VA-5672.
@ EFFECTIVE WITH 6VA-28061, 12VA-6573.

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 357	358	361	363	368	369	370	371	372	378	379	383
		8.3001 - CONVERTER ASSY., TORQUE												
		TORQMATIC CONVERTER ASSEMBLIES ARE AVAILABLE THROUGH D.D.A.D. SALES DEPARTMENT, C/O MANAGER, ENGINE DISTRIBUTION. TORQUE CONVERTER SERIES 400 AND 500 TCD, TCDO, TCDOA DISCONNECT TYPE ALSO INCLUDE A CLUTCH IN 8.1000A; REFERENCE CHART-PAGE 1 OF 8.3000A. COMPONENTS OF ALLISON TORQMATIC CONVERTER ASSEMBLIES ARE SHOWN IN THE ALLISON PARTS CATALOGS SA-1116 FOR 400 SERIES; SA-1057 FOR 500 SERIES; SA-1038 FOR 800 AND 900 SERIES CONVERTERS.											
	NPN	TORQUE CONVERTER (CUSTOMER FURNISHED)	1		1								1	
3C	**6775597**	CONVERTER ASSY. (TC-954)		1										
3C	**6776860**	CONVERTER ASSY. (TCA-845)				1								
3A,B	**6777430**	CONVERTER ASSY. (TC-524)					1							
3C	**6776488**	CONVERTER ASSY. (TCHD-955)						1						
3A,B	**6772070**	CONVERTER ASSY. (TCD-574)							1					
3C	**6759618**	CONVERTER ASSY. (TC-855)								1				
3A,C	**6771110**	CONVERTER ASSY. (TCA-575)									1			
	6755642	CONVERTER ASSY. (TCDOA-435)										1		
3C	**6778162**	CONVERTER ASSY. (TCHD-945)												1
	5120753	PLATE, SCUFF (FLYWHEEL)		1		1		1		1	1			1
	6768267	PLATE, NAME		1		1		1	1	1	1	1		1
	192413	SCREW, #4X1/4" DRIVE (12.9067)		4		4		4	4	4	4	4		4
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)					23		11		11	6		
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)			24									
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)								10				
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)		12		12		12						12
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)							8			8		
	9412015	BOLT, 9/16"-18X2 1/2" (FLYWHEEL)		6		6		6						6
	9412014	BOLT, 9/16"-18X1 3/4" (FLYWHEEL)					6				6			
	103329	LOCKWASHER, 1/2" (12.9200)			24									
	103323	LOCKWASHER, 1/2" (12.9200)		AR		AR		AR	AR	AR		AR		AR
	103322	LOCKWASHER, 7/16" (12.9200)					AR		AR		AR	AR		
		8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5130437	# GOVERNOR ASSY. (PIERCE) (6960R2)	1			1								
	5120156	# GOVERNOR ASSY. (PIERCE) (GC-3987)											1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2			2							2	

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 357	358	361	363	368	369	370	371	372	378	379	383
		8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)	2			2							2	
	117062	NUT, 3/8"-16 HEX. (12.9120)	2			2							2	
		# PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.												
		8.3083 - BRACKET, TORQUE CONVERTER OUTPUT SHFT GOVRNOR MOUNTNG												
		SHAFT, GOVERNOR MOUNTING												
	5130440	BRACKET				1								
	5130441	BRACKET	1										1	
	5164294	SPACER (7.1581)	3			4							3	
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)	3			4							3	
		8.3085 - SHAFT, GOVERNOR DRIVE												
	5188928	SHAFT (FLEX.) (2.8025)				1								
	5171509	CLIP				1								

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 389	393	395	397	402	403	406	407	412	413	414
		8.3001 - CONVERTER ASSY., TORQUE											
		TORQMATIC CONVERTER ASSEMBLIES ARE AVAILABLE THROUGH D.D.A.D. SALES DEPARTMENT, C/O MANAGER, ENGINE DISTRIBUTION. TORQUE CONVERTER SERIES 400 AND 500 TCD, TCDO, TCDOA DISCONNECT TYPE ALSO INCLUDE A CLUTCH IN 8.1000 A; REFERENCE CHART-PAGE 1 OF 8.3000A. COMPONENTS OF ALLISON TORQMATIC CONVERTER ASSEMBLIES ARE SHOWN IN THE ALLISON PARTS CATALOGS SA-1116 FOR 400 SERIES; SA-1057 FOR 500 SERIES; SA-1038 FOR 800 AND 900 SERIES CONV ERTERS.											
	NPN	TORQUE CONVERTER (CUSTOMER FURNISHED)	1										
3C	**6778685**	CONVERTER ASSY. (TCD-955)		1									
3A,C	**6779119**	* CONVERTER ASSY. (TCDOA-565) (6830841)			1				1				
3A,C	**6772297**	# CONVERTER ASSY. (TCDOA-575) (6830831)				1				1			
3C	**6771441**	CONVERTER ASSY. (TCA-855)					1						
3A,C	**6775704**	# CONVERTER ASSY. (TCD-565) (6832639)						1					
3A,C	**6771111**	CONVERTER ASSY. (TCDA-575)									1		
3A,C	**6759653**	* CONVERTER ASSY. (TC-565) (6830820)										1	
3A,C	**6830820**	CONVERTER ASSY. (TC-565)											1
	5120753	PLATE, SCUFF (FLYWHEEL)		1									
	6768267	PLATE, NAME		1	1	1	1	1	1	1	1	1	1
	192413	SCREW, #4X1/4" DRIVE (12.9067)		4	4	4	4	4	4	4	4	4	4
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)			11	11			23	11	11	12	12
	433859	BOLT, 7/16"-14X2 3/8" (12.9001)						11					
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)					10						
	213546	BOLT, 1/2"-13X1 3/4" (12.9001)		12									
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)			8	8		8	8	8	8		
	9412015	BOLT, 9/16"-18X2 1/2" (FLYWHEEL)		6								6	6
	9412014	BOLT, 9/16"-18X1 3/4" (FLYWHEEL)											
	103323	LOCKWASHER, 1/2" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR		
	103322	LOCKWASHER, 7/16" (12.9200)			AR	AR		AR	AR	AR	AR	AR	AR
		* NOT SERVICED; FOR COMPLETE REPLACEMENT USE ASSEMBLY SHOWN IN PARENTHESES.											
		# NOT SERVICED; FOR COMPLETE REPLACEMENT USE THE COMPONENTS OF THE ASSEMBLY SHOWN IN PARENTHESES.											
		8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT											
		SEE ASSEMBLY BREAKDOWN PAGE A1.											
	5130437	# GOVERNOR ASSY. (PIERCE) (6960R2)							1				
	5137893	# GOVERNOR ASSY. (PIERCE) (6960AR1)	1				1			1			

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3889	3933	3935	3937	4002	4003	4006	4007	4112	4113	4114
		8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT (CONT'D)											
		(GC-6960AR-1)											
	5125896 #	GOVERNOR ASSY. (PIERCE) (GC-868)			1	1					1		
	5147640	LEVER (GOVERNOR SPEED CONTROL)			1	1					1		
	5182881	HOSE, FLEX. (3/16"I.D.X14" TO T/C)			1	1					1		
	112877	BUSHING, 1/4"-1/8" RED. (12.9570)			1	1					1		
	189060	BUSHING, 3/4"-1/4" RED. (12.9570)			1	1					1		
	5166265	ELBOW (1/4" INV. FL. TUBE RESTRICTED)			1	1					1		
	9409943	TEE (7.4586)			1	1				1	1		
	213546	BOLT, 1/4"-20X1" (12.9001)			1	1					1		
	5148437	BOLT, 5/16"-18X1" (12.9001)			4								
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)				4							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2				2		2				
	120380	LOCKWASHER, 1/4" (12.9200)			1	1					1		
	103320	LOCKWASHER, 5/16" (12.9200)			4	4							
	103321	LOCKWASHER, 3/8" (12.9200)	2				2		2				
	117062	NUT, 3/8"-16 HEX. (12.9120)	2				2		2				
		# PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.											
		8.3083 - BRACKET, TORQUE CONVERTER OUTPUT SHFT GOVRNOR MOUNTNG											
	5130441	BRACKET	1				1		1				
	5164294	SPACER (7.1581)	3				3		3				
	214265	BOLT, 3/8"-16X3 3/4" (12.9001)	3				3		3				
		8.3085 - SHAFT, GOVERNOR DRIVE											
	5188928	SHAFT (FLEX.) (2.8025)							1				

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 418	419	420	421	422	424	427	429	431	436	437	439
		8.3001 - CONVERTER ASSY., TORQUE												
		TORQMATIC CONVERTER ASSEMBLIES ARE AVAILABLE THROUGH DDAD, SALES DEPARTMENT, C/O MANAGER, ENGINE DISTRIBUTI ON. TORQUE CONVERTER SERIES 400 AND 500 TCD, TCDO, TCDOA DISCONNECT TYPE ALSO INCLUDE A CLUTCH IN 8.1000A; REFERENCE CHART - PAGE 1 OF 8.3000A COMPONENTS OF ALLISON TORQMATIC CONVERTER ASSEMBLIES ARE SHOWN IN THE ALLISON PARTS CATALOGS SA-1116 FOR 400 SERIES; SA-1057 FOR 500 SERIES; SA-1038 FOR 800 AND 900 SERIES CONVER TERS.												
3A	**6830831** *	CONVERTER ASSY. (TCDOA-575)	1											
3A	**6830813**	CONVERTER ASSY. (TC-574)		1										
3A	**6774224**	CONVERTER ASSY. (TCA-565)			1									
3A	**6830812**	CONVERTER ASSY. (TC-575)				1								
3A	**6830841**	CONVERTER ASSY. (TCDOA-565)					1							
3A	**6832684** *	CONVERTER ASSY. (TCA-565)						1						
3A	**6832639** *	CONVERTER ASSY. (TCD-565)							1					
3A	**6830842**	CONVERTER ASSY. (TCDA-575)								1		1	1	
3A	**6830807**	CONVERTER ASSY. (TC-575)									1			
3A	**6830843** *	CONVERTER ASSY. (TCA-575)												1
	6868267	PLATE, NAME	1	1	1	1	1			1	1	1	1	1
	5120753	PLATE, SCUFF (FLYWHEEL)						1						
	192413	SCREW, #4X1/4" DRIVE (12.9067)	4	4	4	4	4			4	4	4	4	4
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)	11	23		12	11	11		11	23	12	11	11
	433859	BOLT, 7/16"-14X2 3/8" (12.9001)							11					
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)			10									
	9412014	BOLT, 9/16"-18X1 3/4" (HUB TO FLYWHEEL)		6		6		6			6			6
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR		AR	AR	AR	AR		AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)			10									
		* NOT SERVICED AS AN ASSEMBLY; COMPONENTS ARE AVAILABLE.												
		8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	NPN	GOVERNOR ASSY. (CUSTOMER FURNISHED)									1			
	5125896 #	GOVERNOR ASSY. (PIERCE) (GC-868)	1				1						1	
	5130437 #	GOVERNOR ASSY. (PIERCE) (6960R2)			1			1						
	5133380 *	GOVERNOR ASSY. (HYDRAULIC) (WOODWARD)								1				1

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8.3000A TORQUE CONVERTER

PART NUMBER	NAME AND DESCRIPTION	TYPES 418	419	420	421	422	424	427	429	431	436	437	439
8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT (CONT'D)													
5147640	LEVER (GOVERNOR SPEED CONTROL)	1				1						1	
5182881	HOSE, FLEX. (3/16"I.D.X14") (7.4074)	1				1						1	
5110604	HOSE, FLEX. (1/4"I.D.X13") (4.3001)								1				1
112877	BUSHING (1/4"X1/8" RED.) (12.9570)	1				1						1	
189060	BUSHING (3/4"X1/4" RED.) (12.9570)	1				1			1			1	1
190367	ELBOW, 1/4"-90 DEG. STREET (12.9390)								1				1
5166265	ELBOW, 1/4" INV. FL. TUBE RESTRICTED											1	
118754	ELBOW, 5/16"-90 DEG. FL. TUBE (12.9390)								1				1
186647	BOLT, 1/4"-20X1" (12.9001)	1				1						1	
5148437	BOLT, 5/16"-18X1" (12.9001)					4						4	
186624	BOLT, 5/16"-18X1 1/4" (12.9001)	4							4				4
186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2			2						
103341	WASHER, 3/8" FLAT (12.9190)						2						
103319	LOCKWASHER, 1/4" (12.9200)	1				1						1	
103320	LOCKWASHER, 5/16" (12.9200)	4				4			4			4	4
103321	LOCKWASHER, 3/8" (12.9200)			2			2						
117062	NUT, 3/8"-16 HEX. (12.9120)			2			2						
	# NOT SERVICED, PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.												
	* BREAKDOWN LISTED IN 2.8000A, TYPE 730.												
8.3083 - BRACKET, TORQUE CONVERTER OUTPUT SHFT GOVRNOR MOUNTNG													
5130441	BRACKET			1			1						
5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)			3			3						
112609	BOLT, 3/8"-16X3 3/4" (12.9001)			3			3						

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 447	449	451	454	456	458	460	461	473	474
	8.3001	**- CONVERTER ASSY., TORQUE**										
		TORQMATIC CONVERTER ASSEMBLIES ARE AVAILABLE THROUGH D.D.A.D., SALES DEPARTMENT, C/O MANAGER, ENGINE DISTRIBUTION. TORQUE CONVERTER SERIES 400 AND 500 TCD, TCDO, TCDOA DISCONNECT TYPE ALSO INCLUDE A CLUTCH IN 8.1000A; REFERENCE CHART-PAGE 1 OF 8.3000A. COMPONENTS OF ALLISON TORQMATIC CONVERTER ASSEMBLIES ARE SHOWN IN THE ALLISON PARTS CATALOGS SA-1116 FOR 400 SERIES; SA-1057 FOR 500 SERIES; SA-1038 FOR 800 AND 900 SERIES CONVERTERS.										
	NPN	CONVERTER ASSY. (CUSTOMER FURNISHED)				1			1	1	1	
3A	**6830841**	CONVERTER ASSY. (TCDOA-565)		1								
	6834696	CONVERTER ASSY. (TCDOA-435)	1									
3A	**6833567**	CONVERTER ASSY. (TCDA-575)			1							
3A	**6830839**	CONVERTER ASSY. (TC-524)					1					
3A	**6830817**	@ CONVERTER ASSY. (TC-555)						1				
	6868267	PLATE, NAME		1								
3C	**6832907**	PLATE, NAME	1		1		1					
	192413	SCREW, #4X1/4" DRIVE (12.9067)	4	4	4		4					
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)	11	11	11		23	12				
	9412014	BOLT, 9/16"-18 X 1 3/4" (HUB TO FLYWHEEL) (1.4001)					6	6				
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR		AR	AR				
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE.										
	8.3002	**- GASKET, TORQUE CONVERTER TO FLYWHEEL HOUSING**										
	5108426	GASKET (1.5135)					1					
	8.3077	**- GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT**										
		SEE ASSEMBLY BREAKDOWN PAGE A1.										
	5130437	# GOVERNOR ASSY. (PIERCE) (6960R2)		1								
	5133380	* GOVERNOR ASSY. (HYDRAULIC) (WOODWARD)			1							
	5144750	GOVERNOR ASSY. (HYDRAULIC) (WOODWARD) (2.8030)	1									
	5137893	# GOVERNOR ASSY. (PIERCE) (GC-6960AR-1)									1	1
	5110604	HOSE, FLEX. (1/4"I.D.X13") (4.3001)	1		1							

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 447	449	451	454	456	458	460	461	473	474
		8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT (CONT'D)										
	189060	BUSHING (3/4"X1/4" RED.) (12.9570)	1		1							
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9390)	1		1							
	118754	ELBOW, 5/16"-90 DEG. FL. TUBE (12.9390)			1							
	118749	CONNECTOR, 5/16" FL. TUBE (12.9380)	1									
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)	4		4							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2							2	2
	103341	WASHER, 3/8" FLAT (12.9190)		2							3	2
	103320	LOCKWASHER, 5/16" (12.9200)	4		4							
	103321	LOCKWASHER, 3/8" (12.9200)		2							2	2
	102635	NUT, 3/8"-16 HEX. (12.9120)		2							2	2
		# NOT SERVICED, PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.										
		* BREAKDOWN LISTED IN 2.8000A, TYPE 730.										
		8.3083 - BRACKET, TORQUE CONVERTER OUTPUT SHFT GOVRNOR MOUNTNG										
	5130441	BRACKET		1							1	
	5130440	BRACKET										1
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)		3							2	3
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)		3								3
	186285	BOLT, 3/8"-16 X 4" (12.9001)									3	
		8.3270 - SUPPORT, TORQUE CONVERTER										
10C	5124560	SUPPORT (L.H.)							1			
10C	5124561	SUPPORT (R.H.)							1			
10C	5124562	SUPPORT (L.H.)								1		
10C	5124563	SUPPORT (R.H.)								1		
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)								2		
	181435	BOLT, 1/2"-20X2" (12.9001)							4	4		
	181436	BOLT, 1/2"-20X2 1/4" (12.9001)							8	6		
	5167615	WASHER, BEVEL 1/2" (11.1073)							6	6		
	103323	LOCKWASHER, 1/2" (12.9200)							12	12		
	117051	NUT, 1/2"-20 HEX. (12.9120)							12	12		
		8.3275 - SHIM, TORQUE CONVERTER SUPPORT										
	5123463	SHIM (.005")							2	2		
	5123464	SHIM (.031")							2	2		
	5123465	SHIM (.062")							2	2		
		8.3600 - PUMP ASSY., CONVERTER PRESSURE										
	5119881	* PUMP ASSY. (AUX.) (TUTHILL OL90GPH)				1						
	5125179	ADAPTOR, PUMP DRIVE (2.2260)				1						
	5170450	PLATE, DRIVE (1.7630)				1						

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 447	449	451	454	456	458	460	461	473	474
		8.3600 - PUMP ASSY., CONVERTER PRESSURE (CONT'D)										
	5143616	COUPLING, DRIVE (21 EXT. TEETH) (1.7635)				1						
	5132580	VALVE, RELIEF (60PSI)				1						
	179616	TEE, 1/2"X3/8"X3/8" RED. PIPE (12.9616)				1						
	121207	NIPPLE, 3/8"X1" PIPE (12.9660)				1						
	5145092	BOLT, 3/8"-24X1.20"				4						
	100146	BOLT, 7/16"-14X1" (12.9001)				1						
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)				2						
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)				4						
	103322	LOCKWASHER, 7/16" (12.9200)				2						
		* SERVICED AS COMPLETE ASSY. ONLY. *FOR REPLACEMENT PARTS CONTACT* TUTHILL PUMP CO., CHICAGO, ILLINOIS OR THE DEMING PUMP CO., SALEM, OHIO FURNISHING THEIR NUMBER SHOWN IN PARENTHESES.										
		8.3610 - GASKET, CONVERTER PRESSURE PUMP										
	5172915	GASKET (TO ADAPTOR) (2.2001)				1						

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT														
	5120156	# GOVERNOR ASSY. (TORQUE CONVERTER MOUNTED) (GC-3987)		1												
	5126896	# GOVERNOR ASSY. (TORQUE CONVERTER MOUNTED) (GC-868)				1										
	5130437	# GOVERNOR ASSY. (CABLE DRIVE) (6960R2)	1													
	5137893	# GOVERNOR ASSY. (GC-6960AR-1)			1											
		# NOT SERVICED, PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN *PARENTHESES.*														
		8.3370 - BODY, GOVERNOR														
	5195565	# BODY (G-9042-113)	1	1	1											
	5195555	# BODY (G-9042-136)				1										
	5195569	# GASKET (X-923)				1										
	5195597	# OILER (OIL LEVEL PLUG, 1/8" PIPE THREAD) (X-2054)	1	1	1											
	5197813	# TAG, OIL LEVEL (X-1945)	1	1	1											
	2252405	# PLUG (1 3/32") (G-9595)				1										
	444687	PLUG, 1/8" PIPE HEX. SOC. HD. (12.9550)	1	1	1											
	5195556	# PLUG (1/4" DIA. X 1/4" L.) (G-11825)				1										
	5195596	# OIL CUP (1/8" PIPE THREAD) (X-495)	1	1	1											
	123298	BOLT, 1/4"-28X3/8" (12.9001)				1										
		# NOT SERVICED, PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3380 - BASE, GOVERNOR														
	5197805	# BASE (G-11314-1)	1	1	1											
	5195553	# BASE (G-11330)				1										
	5197271	# BOLT, #10-24X.68" HEX. SOC. HD. (X-1729)				4										
	147112	# BOLT, #10-24X3/4" HEX. SOC. HD. (12.9027) (X-1729)	4	4	4											
	120217	# LOCKWASHER, #10 (12.9200) (188141)	4	4	4	4										
		# NOT SERVICED, PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3385 - OIL SEAL, GOVERNOR BASE														
	5197812	# SEAL (X-1221)	1	1	1											
		# NOT SERVICED, PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.3390 - GASKET, GOVERNOR BODY TO BASE														
	5195554 #	GASKET (X-1425)	1	1	1	1										
		# NOT SERVICED, PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3400 - SPIDER AND SHAFT ASSY. GOVERNOR OPERATING														
	5197810 #	SHAFT ASSY. (A-6734)	1	1	1											
	5197265 #	SHAFT ASSY. (A-6644)				1										
	5199363 #	CUP, WEIGHT STOP (A-7141)	1													
	5196701 #	PIN, WEIGHT (2.7430) (G-14007)	2	4	4	4										
	5196117 #	RING, SNAP (2.7350) (X-1923)	1	1	1	1										
	9411504 #	CLIP, WEIGHT PIN RETAINER ("C" WASHER) (2.7430) (X-2996)	2	4	4	8										
		# NOT SERVICED, PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3405 - WEIGHT ASSY., GOVERNOR														
	5197815 #	WEIGHT ASSY. (A-2449)	2													
	5196073 #	WEIGHT ASSY. (A-2447)		4	4	4										
		# NOT SERVICED; PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3410 - BEARING, GOVERNOR OPERATING SHAFT														
	907045 #	BEARING (N.D. 3202L1A) (2.7430) (X-310)	1	1	1	1										
	274843 #	RING, SNAP (TO BASE) (X-1921)				1										
	274273 #	RING, SNAP (TO SHAFT) (X-1920)				1										
		# NOT SERVICED; PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3420 - RISER, GOVERNOR														
	5196104 #	RISER (2.7380) (G-10813)	1	1	1	1										
		# NOT SERVICED; PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.3425 - BEARING, GOVERNOR RISER THRUST														
	9411475 #	BEARING (3 PIECES) (2.7460) (X-1336-A)	1	1	1	1										
		# NOT SERVICED; PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3430 - FORK, GOVERNOR OPERATING														
	5196103 #	FORK (2.7290) (G-9838)	1	1	1	1										
	5195577 #	SCREW (W/LW) (X-1687)	2	2	2	2										
		# NOT SERVICED; PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3435 - SHAFT, GOVERNOR ROCKER														
	5197811 #	SHAFT (G-14311)	1	1	1											
	5197269 #	SHAFT (G-14337)				1										
		# NOT SERVICED; PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3440 - BEARING, GOVERNOR ROCKER SHAFT														
	9431887	BEARING	2	2	2	2										
	274844	RING, SNAP (X-1904)	2	2	2	2										
	5196086 #	GASKET, PLUG (X-2307)				2										
	103893	PLUG (2.7230)				1										
		# NOT SERVICED; PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3445 - SEAL, GOVERNOR ROCKER SHAFT OIL														
	2363528 #	SEAL (X-1566)	2	2	2	1										
	5195574 #	RETAINER, OIL SEAL (G-12211)	2	2	2	1										
		# NOT SERVICED; PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.3450 - LEVER, GOVERNOR ROCKER SHAFT THROTTLE														
	5197814 #	LEVER (A-6304)	1	1	1											
	5197267 #	LEVER (G-8748)				1										
	455346	PIN, 5/32"X3/4" SPRING	1	1	1	1										
		# NOT SERVICED; PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3455 - BRACKET, GOVERNOR SPEED ADJUSTING SHAFT														
	5195557 #	BRACKET (G-10188-1)	1	1	1	1										
	138201	BOLT, 1/4"-20X3/4" HEX. SOC. HD. (12.9027)	2	2	2	2										
	108578	LOCKWASHER, 1/4" (12.9200)	2	2	2	2										
		# NOT SERVICED; PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3460 - LEVER, GOVERNOR SPEED ADJUSTING SPRING														
	5195573 #	LEVER (ON ROCKER SHAFT) (G-8106)	1	1	1	1										
	5197808 #	LEVER (ON SPEED ADJUSTING SHAFT) (G-8115-1)	1	1	1											
	5197807 #	LEVER (3" HOLE CENTERS ON SPEED ADJUSTING SHAFT) (A-6303)	1	1	1											
	5195560 #	LEVER (ON SPEED ADJUSTING SHAFT) (G-8234)				1										
	455346	PIN, 5/32"X3/4" SPRING (8.3450)	3	3	3	3										
	5197266 #	BOLT, EYE (1/4"-28X2") (G-8748)	1	1	1	1										
	5197270 #	BOLT, LIMIT ADJUSTING (X-1032-1)	2	2	2	2										
	5195593 #	NUT, #12-24 HEX. CROSS DRILLED (X-991)	2	2	2											
	103089	NUT, #12-24 HEX. (12.9120)				2										
	120613	NUT, 1/4"-28 HEX. (12.9120)	2	2	2	2										
		# NOT SERVICED; PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3465 - SPRING, GOVERNOR SPEED ADJUSTING														
	5197809 #	SPRING (SN-1351)	1	1	1											
	5195562 #	SPRING (SN-1344)				1										
		# *NOT SERVICED; PROCURE FROM PIERCE* GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.3470 - SHAFT, GOVERNOR SPEED ADJUSTING														
	5197806	# SHAFT (G-11028)	1	1	1											
	5197268	# SHAFT (G-8861)				1										
	5195559	# SPACER (G-2608)	1	1	1	1										
	274844	RING, SNAP (8.3440)	1	1	1	1										
		# NOT SERVICED; PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3475 - CONNECTION, GOVERNOR TACHOMETER SHAFT														
	5195712	* # CONNECTION ASSY. (A-6191)	1	1	1	1										
	138510	WASHER	1	1	1	1										
	5195571	# LOCKNUT (X-1114)	1	1	1	1										
		* INCLUDES BUSHING AND OIL SEAL WHICH ARE NOT SOLD SEPARATELY.														
		# NOT SERVICED; PROCURE FROM PIERCE GOV. CO., UPLAND, IND. SUPPLY THEIR PART NUMBER SHOWN IN PARENTHESES.														

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 98	1000	1002	1003	1004	1118	1316	1318	1444	1445	1446	1448
		8.3816 - STRAINER ASSY., CONVERTER OIL												
		A STRAINER ASSY. INCLUDES ELEMENT AND CAP IN 8.3816.												
3D	5187327	STRAINER ASSY. (8.3280)	1	1	1	1	1	1	1		1	1	1	1
	5193849	ELEMENT (8.3285)	1	1	1	1	1	1	1		1	1	1	1
	5193851	CAP (8.3282)	1	1	1	1	1	1	1		1	1	1	1
3D	111145	ELBOW, 1 1/4" STREET 45 DEG. (12.9590)					1		1			1	1	1
3D	190311	NIPPLE, 1"X1 1/2" PIPE (12.9360)										1		
3D	219359	NIPPLE, 1 1/4"X3" PIPE (12.9360)					1		1			1	1	1
	5146646	PLUG, 1 1/4" PIPE (12.9550)					1		1			1		
3D	218244	TEE, 3/4"X3/4"X1" RED. PIPE (12.9616)										1		
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)										1		
		8.3820 - TUBE, CONVERTER TANK TO PUMP												
	5115755	* HOSE (FLEX.) (1 1/8"I.D.X59"L.)						1						
	5124770	HOSE (FLEX.) (1 1/8"I.D.X62 7/16"L.)		1										
	5184279	* HOSE (FLEX.) (1 1/8"I.D.X69"L.)											1	
	5115762	HOSE (FLEX.) (1 1/8"I.D.X72 27/32" L.)	1		1	1					1			1
	9402714	ADAPTOR (8.3820)	2	2	2	2		2			2		2	2
	137971	ELBOW, 1 1/4" PIPE 90 DEG. (TO TANK) (12.9600)	1	1	1	1		1			1		1	1
	111145	ELBOW, 1 1/4" STREET 45 DEG. (12.9590)	1	1	1	1		1			1			
	219359	NIPPLE, 1 1/4"X3" PIPE (TO ELBOW) (12.9360)	1	1	1	1		1			1			
		* OBSOLETE.												
		8.3821 - CLIP, CONVERTER TANK TO PUMP TUBE												
	5183246	CLIP	1	1	1	1		1			1		1	1
	5158779	CLIP (5.5376)	1	1	1	1		1			1		1	1
	5181531	BRACKET, CLIP (4.8042)	1	1	1	1		1			1		1	1
	181595	BOLT, 5/16"-24X3/4" (12.9001)	1	1	1	1		1			1		1	1
	103341	WASHER, 3/8" FLAT (12.9190)		1		1		1			1			
	103342	WASHER, 7/16" FLAT (12.9190)											1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1	1		1			1		1	1
	121917	NUT, 5/16"-24 HEX. (12.9120)	1	1	1	1		1			1		1	1
		8.3825 - TUBE, OIL COOLER TO CONVERTER TANK												
	5112120	HOSE (FLEX.) (1/2"I.D.X17 13/64"L.)	1											
	5177697	HOSE (FLEX.) (5/8"I.D.X20 5/8"L.) (8.3810)		1				1					1	

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 98	100	102	103	104	118	136	138	144	145	146	148
		8.3825 - TUBE, OIL COOLER TO CONVERTER TANK (CONT'D)												
	5112421	HOSE (FLEX.) (5/8"I.D.X25 11/16"L.)									1			
	5120510	HOSE (FLEX.) (5/8"I.D.X30 5/8"L.)			1	1								1
	5127120	ADAPTOR (OIL COOLER END)				1								
	5124812	GASKET				1								
	5176705	ELBOW, 3/4"-90 DEG. (8.3800)		1		1		1			1			
	116487	CONNECTOR, 5/8" FL. TUBE (12.9380)	2											
	120062	BUSHING, 1"X1/2" RED. (12.9570)	1											
	128003	BUSHING, 1"X3/4" RED. (12.9570)		1	1	1		1			1		1	1
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)				4								
	103322	LOCKWASHER, 7/16" (12.9200)				4								
	271500	NUT, 7/16"-24 HEX. (12.9120)				4								
		8.3827 - TUBE, CONVERTER TO FILTER												
3D	5112120	HOSE (FLEX.) (1/2"I.D.X17 13/16"L.)	1											
3D	5177697	HOSE (FLEX.) (5/8"I.D.X20 5/8"L.) (8.3810)					1	1	1		1	1	1	
3D	5112421	HOSE (FLEX.) (5/8"I.D.X25 11/16"L.)			1									
3D	5178023	HOSE (FLEX.) (5/8"I.D.X29 1/2"L.) (8.3820)		1		1								
3D	108686	ELBOW, 1/2"-90 DEG. STREET (12.9590)	2											
3D	5176705	ELBOW, 3/4"-90 DEG. (8.3800)			2									
3D	116487	CONNECTOR, 5/8" FL. TUBE (12.9380)	2											
3D	5177664	CONNECTOR, 3/4" (8.3800)		1		1	1	1	1		1	1	1	
3D	120062	BUSHING, 1"X1/2" RED. (12.9570)	2											
3D	128003	BUSHING, 1"X3/4" RED. PIPE (12.9570)		2		2	2		2					
3D	189775	TEE, 3/4"X1/2"X3/4" RED. (12.9616)					1	1	1				1	
3D	190723	NIPPLE, 3/4"X1 3/8" (12.9560)					1	1	1				1	
3D	5115214	PLUG, 1/2" PIPE (12.9550)					1		1					
		3D - TUBE, FILTER TO OIL COOLER												
3D	5120683	HOSE (FLEX.) (1/2"I.D.X25 1/2"L.) (3.5505)					1	1						
3D	5188699	@ HOSE (FLEX.) (1/2"I.D.X37 11/16"L.)	1											
3D	5178023	HOSE (FLEX.) (5/8"I.D.X29 1/2"L.) (8.3820)		1								1		
3D	5120029	HOSE (FLEX.) (5/8"I.D.X35 5/8"L.) (3.5505)			1								1	
3D	5120028	HOSE (FLEX.) (5/8"I.D.X41 1/2"L.) (3.5505)								1				
3D	5183095	HOSE (FLEX.) (5/8"I.D.X52"L.)				1			1					
3D	5122418	HOSE (FLEX.) (5/8"I.D.X77"L.) (T/C TO COOLER) (9.9640)												1
3D	5127120	ADAPTOR (OIL COOLER END) (8.3825)				2			2					2
	5124812	GASKET (4.4084)				2			2					2

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 98	1000	1002	1003	1004	1118	1316	1318	1444	1445	1446	1448
		3D - TUBE, FILTER TO OIL COOLER (CONT'D)												
3D	108686	ELBOW, 1/2"-90 DEG. STREET (12.9590)	2											
3D	140798	ELBOW, 3/4"-45 DEG. STREET (12.9590)					1	1						
3D	5176705	ELBOW, 3/4"-90 DEG. (8.3800)		1	2	2	1	1	2		1	2	3	2
3D	116487	CONNECTOR, 5/8" FL. TUBE (12.9380)	1											
3D	5177664	CONNECTOR, 3/4" (8.3800)				1								1
3D	120062	BUSHING, 1"X1/2" RED. (12.9570)	3											
3D	128003	BUSHING, 1"X3/4" RED. (12.9570)		1	1		1				1	2		
	5157702	CLIP (4.8040)							1					
	5182874	CLIP (1" DIA. X 1 5/8"L.) (9.1720)	1			1								1
	5142549	PLUG, 3/4" PIPE (12.9550)					1		1			2		
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)				8			8					8
	103322	LOCKWASHER, 7/16" (12.9200)				8			8					8
	271500	NUT, 7/16"-14 HEX. (12.9120)				8			8					8
		@ NOT SERVICED, CUSTOMER TO FABRICATE; REFER TO SECTION 12.8000B.												
		8.3830 - TUBE, CONVERTER TO TANK												
	5126731	* HOSE, DRAIN (FLEX.) (41"L.) (5129157 #10X73"L.)									1			
	5124769	* HOSE, DRAIN (FLEX.) (49 1/2"L.) (5129157 #10X73" L.)		1									1	
	5124768	* HOSE, DRAIN (FLEX.) (61"L.) (5129157 #10X73"L.)	1		1	1					1			1
	118757	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9480)		2				2					2	
	5130294	ELBOW (1/2" TUBE X 3/8") (45 DEG.) (12.4090)	2		2	2					2			
	5120020	FITTING, SWIVEL (12.4085)	2	2	2	2		2			2		2	2
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)		1		1					2			1
	120062	BUSHING, 1"X1/2" RED. (12.9570)	1											
	128003	BUSHING, 1"X3/4" RED. (12.9570)	1											
	5130294	ELBOW (1/2" TUBE X 3/8") (45 DEG.) (12.4080)												1
	118752	CONNECTOR, 1/2" TUBE				1							1	1
	218244	TEE (12.9616)		1		1					1			1
	218258	TEE, 1"X3/4"X1" PIPE (12.9616)		1										
	114613	NIPPLE 3/4"X1 3/8" (12.9560)	1											
	127874	NIPPLE 1"X1 1/2" (12.9560)		1		1								
	190311	NIPPLE, 1"X2 1/2" (12.9560)									1			1
		* NOT SERVICED, STANDARD LENGTH HOSE SHOWN WILL BE PROVIDED.												
		8.3831 - CLIP, CONVERTER TO TANK TUBE												
	5151189	CLIP (3/4" DIA. X 1 1/8"L.) (4.8040)	2	1	2	2		1			1		1	2
	5177331	BRACKET, CLIP (4.8042)	2	1		2		1			1		1	2
	181595	BOLT, 5/16"-24X3/4" (12.9001)	2	1	2	2		1			1		1	2

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 98	100	102	103	104	118	136	138	144	145	146	148
		8.3831 - CLIP, CONVERTER TO TANK TUBE (CONT'D)												
	120393	WASHER, 5/16" FLAT (12.9190)	2	1	2	2		1			1		1	2
	103320	LOCKWASHER, 5/16" (12.9200)	2	1	2	2		1			1		1	2
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	1	2	2		1			1		1	2
		8.3835 - PIPE, CONVERTER OIL TANK FILLER												
	5118621	PIPE (9 1/8"L.)		1		1		1			1			
	111145	ELBOW, 1 1/4"-45 DEG. STREET (12.9590)		1		1		1			1			
		8.3837 - CAP, OIL TANK BREATHER												
	1528732	CAP ASSY. (8.1965)		1		1		1			1			
		8.3840 - DIPSTICK, (TORQUE CONVERTER)												
	5162930	DIPSTICK		1		1		1			1			
	5153992	TUBE ASSY. (4.6020)		1		1		1			1			
	5151430	GUIDE (4.6020)		1		1		1			1			
		8.3845 - COVER, OIL TANK HAND HOLE												
	5187241	COVER		1		1		1			1			
	179839	BOLT, 3/8"-16X1" (12.9001)		6		6		6			6			
	103321	LOCKWASHER, 3/8" (12.9200)		6		6		6			6			
		8.3850 - GASKET, OIL TANK HAND HOLE COVER												
	5187243	GASKET		1		1		1			1			
		8.3870 - FILTER ASSY., CONVERTER OIL												
		A FILTER ASSY. INCLUDES ITEMS IN 8.3872 THRU 8.3879 AND 8.3884 THRU 8.3890.												
3D	5126166	@ FILTER ASSY. (4.2240)	1		1									
3D	5196393	FILTER ASSY. (9.3650)		1		1	1	1	1	1	1	1	1	
3D	179839	BOLT, 3/8"-16X1" (12.9001)		3		3	3	3	3		3	3	3	
3D	186679	BOLT, 3/8"-16X1 3/8" (12.9001)		1		1	1	1	1		1	1	1	
3D	186645	BOLT, 7/16"-20X1 1/4" (12.9001)	4		4									
3D	103341	WASHER, 3/8" FLAT (12.9190)		1		1	1	1	1		1	1	1	

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 98	100	102	103	104	118	136	138	144	145	146	148
		8.3870 - FILTER ASSY., CONVERTER OIL (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)		4		4	4	4	4		4	4	4	
	103322	LOCKWASHER, 7/16" (12.9200)	4		4									
	117050	NUT, 7/16"-20 HEX. (12.9120)	4		4									
		@ NOT SERVICED; USE 5199767 PLUS (2) 128003 BUSHINGS.												
		8.3872 - ELEMENT, CONVERTER OIL FILTER												
4B	5573014 #	ELEMENT (AC TYPE PF-132) (FULL FLOW, PAPER TYPE) (4.2250)	2	1	2		1	1			1	1	1	
4B	5573014 #	ELEMENT (AC TYPE PF-132) (FULL FLOW, PAPER TYPE) (4.2250)				1			1	1				
		# INCLUDES GASKET IN 8.3875.												
		8.3873 - ADAPTOR, OIL FILTER												
	5189952 *	ADAPTOR (4.2290)	1		1									
	5123382	ADAPTOR (4.2290)		1		1	1	1	1	1	1	1	1	
4B	5145010	PLUG, 1/4" SQUARE HD. PIPE (12.9550)		2		1	2	2	1	2	2	2	2	
	143980	PLUG, 3/8" PIPE (12.9550)	1		1									
	9409961	PLUG, 3/4" PIPE (12.9550)	2		2									
		* NOT SERVICED, USE 5123810, PLUS (1) EACH OF 5575088, 5575087, 5575086 AND 5126686.												
		8.3874 - SHELL, CONVERTER OIL FILTER												
4B	5574008	SHELL (INCLUDES PLUG) (4.2280)	2	1	2		1	1			1	1	1	
4B	5574008	SHELL (INCLUDES PLUG) (4.2280)				1			1	1				
	5573162	DECAL (4.2280)	2	1	2		1	1			1	1	1	
	5573162	DECAL (4.2280)				1			1	1				
4B	5570480	PLUG (DRAIN) (2.3050)	2	1	2	1	1	1	1	1	1	1	1	
		8.3875 - GASKET, CONVERTER OIL FILTER SHELL												
4B	5571024	GASKET (4.2300)	2	1	2	1	1	1	1	1	1	1	1	
		8.3876 - SCREW, CONVERTER OIL FILTER COVER												
4B	5120740	STUD (CENTER) (4.2410)	2	1	2	1	1	1	1	1	1	1	1	
		8.3877 - GASKET, CONVERTER OIL FILTER COVER SCREW												
4B	5187310	GASKET (RUBBER) (4.2330)	2	1	2	1	1	1	1	1	1	1	1	
4B	5572799	GASKET (4.2330)	2	1	2	1	1	1	1	1	1	1	1	
4B	5154538	WASHER (1.8182)	2	1	2	1	1	1	1	1	1	1	1	

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 98	100	102	103	104	118	136	138	144	145	146	148
		8.3879 - SPRING, OIL FILTER												
4B	5187308	SPRING (4.2310)	2	1	2	1	1	1	1	1	1	1	1	
4B	5120602	RING, SNAP (4.2315)	2	1	2	1	1	1	1	1	1	1	1	
4B	5187309	RETAINER, SPRING (4.2315)	2	1	2	1	1	1	1	1	1	1	1	
		8.3880 - BRACKET, CONVERTER OIL FILTER MOUNTING												
3D	5124835	BRACKET	1		1									
3D	5127767	BRACKET		1									1	
3D	5126813	BRACKET				1	1	1	1		1	1		
3D	181361	BOLT, 3/8"-24X7/8" (12.9001)	1		1									
3D	181433	BOLT, 1/2"-20X1 3/4" (12.9001)	1		1		2		1					
3D	103341	WASHER, 3/8" FLAT (12.9190)	1		1									
3D	103321	LOCKWASHER, 3/8" (12.9200)	1		1									
3D	103323	LOCKWASHER, 1/2" (12.9200)	1		1		2		1					
3D	117049	NUT, 3/8"-24 HEX. (12.9120)	1		1									
3D	103028	NUT, 1/2"-20 HEX. (12.9120)	1		1		2		1					
		8.3882 - SUPPORT, OIL FILTER MOUNTING												
3D	5124836	SUPPORT (BRACKET)	1		1									
3D	5126815	SUPPORT (BRACKET)		1		1			1		1	1		
3D	5126814	SUPPORT (BRACKET)					1	1						
		8.3884 - VALVE, OIL FILTER PRESSURE REGULATOR												
4B	5187315	VALVE (4.2485)	1		1									
4B	5133431	VALVE (4.2485)		1		1	1	1	1	1	1	1	1	
		8.3886 - SPRING, OIL FILTER PRESSURE REGULATOR												
4B	5187314	SPRING (4.2486)	1		1									
4B	5133594	SPRING (4.2486)		1		1	1	1	1	1	1	1	1	
		8.3888 - PLUG, OIL FILTER PRESSURE REGULATOR												
4B	5187313	PLUG (4.2488)	1		1									
4B	5126686	PLUG (4.2488)		1		1	1	1	1	1	1	1	1	
		8.3890 - GASKET, OIL FILTER PRESSURE REGULATOR PLUG												
4B	5187316	GASKET (4.2489)	1		1									
4B	5575086	GASKET (1.62"X1.38") (4.2489)		1		1	1	1	1	1	1	1	1	

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 149	150	151	152	155	170	173	174	175	176	177	178
		8.3816 - STRAINER ASSY., CONVERTER OIL												
		A STRAINER ASSY. INCLUDES ELEMENT AND CAP IN 8.3816.												
3D	5187327	STRAINER ASSY. (8.3280)	1	1	1	1	1	1	1		1	1	1	1
	5193849	ELEMENT (8.3285)	1	1	1	1	1	1			1	1	1	1
	5193851	CAP (8.3282)	1	1	1	1	1	1			1	1	1	1
3D	111145	ELBOW, 1 1/4" STREET 45 DEG. (12.9590)	1	1			1	1	1		1	1	1	1
3D	190311	NIPPLE 1"X2 1/2" PIPE (12.9360)					1							1
3D	219359	NIPPLE, 1 1/4"X3" PIPE (12.9360)	1	1			1	1	1		1	1	1	1
3D	144017	PLUG, 1 1/4" PIPE (12.9550)		1							1			
3D	218244	TEE, 3/4"X3/4"X1" RED. PIPE (12.9616)					1							1
3D	115237	TEE, 1" PIPE (12.9616)					1							
3D	144034	BUSHING, 3/4"X1/2" RED. (12.9570)					1							1
		8.3820 - TUBE, CONVERTER TANK TO PUMP												
	5115755	HOSE (FLEX.) (1 1/8"I.D.X50 1/2"L.)										1	1	
	5126732	HOSE (FLEX.) (1 1/8"I.D.X59"L.)						1						
	5124770	HOSE (FLEX.) (1 1/8"I.D.X62 7/16"L.)			1				1					1
	5115762	HOSE (FLEX.) (1 1/8"I.D.X72 27/32" L.)	1											
	5115759	HOSE (FLEX.) (1 1/8"I.D.X80 1/2"L.)				1								
	5179958	ADAPTOR	2		2	2		2	2			2	2	2
	137971	ELBOW, 1 1/4" PIPE 90 DEG. (12.9600)	1		1	1		1	1			1	1	1
	111145	ELBOW, 1 1/4" STREET 45 DEG. (12.9590)			1	1					1		1	
	219359	NIPPLE, 1 1/4"X3" PIPE (TO ELBOW) (12.9360)			1	1								
		8.3821 - CLIP, CONVERTER TANK TO PUMP TUBE												
	5183246	CLIP (5.5430)	1		1	1		1	1			1	1	1
	5158779	CLIP (5.5376)	1		1	1		1	1			1	1	1
	5181531	BRACKET, CLIP (4.8042)	1		1	1		1	1			1	1	1
	181595	BOLT, 5/16"-24X3/4" (12.9001)	1		1	1		1	1			1	1	1
	103342	WASHER, 7/16" FLAT (12.9190)	1		1	1		1	1			1		1
	103320	LOCKWASHER, 5/16" (12.9200)	1		1	1		1	1			1	1	1
	121917	NUT, 5/16"-24 HEX. (12.9120)	1		1	1		1	1			1	1	1
		8.3825 - TUBE, OIL COOLER TO CONVERTER TANK												
	5121808	HOSE (5/8"I.D.X14 5/8"L.)										1	1	
	5177697	HOSE (FLEX.) (5/8"I.D.X20 5/8"L.) (8.3810)			1			1	1					1

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 149	150	151	152	155	170	173	174	175	176	177	178
		8.3825 - TUBE, OIL COOLER TO CONVERTER TANK (CONT'D)												
	5112421	HOSE (FLEX.) (5/8"I.D.X25 11/16"L.)	1											
	5120510	HOSE (FLEX.) (5/8"I.D.X30 5/8"L.)				1								
	128003	BUSHING, 1"X3/4" RED. (12.9570)	1		1	1		1	1			1	1	1
		8.3827 - TUBE, CONVERTER TO FILTER												
3D	5110613	HOSE (FLEX.) (5/8"I.D.X11"L.)											1	
3D	5113642	HOSE (FLEX.) (5/8"I.D.X14 5/32"L.)			1									
3D	5177697	HOSE (FLEX.) (5/8"I.D.X20 5/8"L.) (8.3810)	1	1		1	1	1	1	1	1	1		1
3D	140798	ELBOW, 3/4"-45 DEG. STREET (12.9590)										1		1
3D	5176705	ELBOW, 3/4"-90 DEG. (8.3800)			2								2	
3D	141621	ELBOW, 3/4"-90 DEG. STREET (12.9590)		1	1									
3D	5177664	CONNECTOR, 3/4" (8.3800)	1	1		1		1	1	1	1	1		1
3D	147885	TEE, 3/4" STRAIGHT PIPE (12.9616)			1									
3D	189775	TEE, 3/4"X1/2"X3/4" RED. (12.9616)	1	1				1	1	1	1	1	1	
3D	190723	NIPPLE, 3/4"X1 3/8" (12.9560)	1	1				1	1	1	1	1		
3D	128067	NIPPLE, 3/4"X1 1/2" (12.9560)											1	
3D	5115214	PLUG, 1/2" PIPE (12.9550)		1						1	1			
		8.3828 - TUBE, FILTER TO OIL COOLER												
3D	5199722	HOSE,BULK # 16X25FT.(54"L.) (12.8550)					1							
3D	5120683	HOSE (FLEX.) (1/2"I.D.X25 1/2"L.) (3.5505)						1						
3D	5120684	HOSE (FLEX.) (5/8"I.D.X17 3/4"L.) (3.5505)				1								
3D	5177697	HOSE (FLEX.) (5/8"I.D.X19 5/16"L.) (8.3810)									1	1		1
3D	5178023	HOSE (FLEX.) (5/8"I.D.X29 1/2"L.) (8.3820)							1					
3D	5120029	HOSE (FLEX.) (5/8"I.D.X35 5/8"L.) (3.5505)											1	
3D	5120028	HOSE (FLEX.) (5/8"I.D.X41 1/2"L.) (3.5505)	1	1						1				
3D	5186451	* HOSE (FLEX.) (5/8"I.D.X62"L.) (9.1587)				1								
3D	5127120	ADAPTOR (OIL COOLER END) (8.3825)				2	2							
3D	5124812	GASKET (4.4084)				2	2							
3D	140798	ELBOW, 3/4"-45 DEG. STREET (12.9590)						1	1		1	1	1	1
3D	5176705	ELBOW, 3/4"-90 DEG. (8.3800)	2	1	3	3	1	1	2	2	3		2	2
3D	141621	ELBOW, 3/4" STREET 90 DEG. (12.9590)		1	1									
3D	5199727	FITTING, HOSE 1 5/16"X12" (12.8552)					2							
	5182874	CLIP (1" DIA. X 1 5/8"L.) (9.1720)				1	1							
3D	5142549	PLUG, 3/4" PIPE (12.9550)		1	1		1			1	1			

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 149	150	151	152	155	170	173	174	175	176	177	178
		8.3828 - TUBE, FILTER TO OIL COOLER (CONT'D)												
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)				8	8							
	428204	BOLT, 5/8"-11X1" (12.9001)					1							
	103322	LOCKWASHER, 7/16" (12.9200)				8	8							
	103325	LOCKWASHER, 5/8" (12.9200)					1							
	271500	NUT, 7/16"-14 HEX. (12.9120)				8	8							
		* OBSOLETE.												
		8.3830 - TUBE, CONVERTER TO TANK												
	5126731	* HOSE, DRAIN (FLEX.) (41"L.) (5129157 #10X73" L.)									1			
	5123318	HOSE, DRAIN (FLEX.) (47"L.)										1		
	5124769	* HOSE, DRAIN (FLEX.) (49 1/2"L.) (5129157 #10X73"L.)			1									1
	5123319	HOSE, DRAIN (FLEX.) (53 1/2"L.) (4.4330)											1	
	5124768	* HOSE, DRAIN (FLEX.) (61"L.) (5129157 #10X73"L.)	1						1					
	5129157	HOSE, DRAIN (FLEX.) (73"L.)				1								
	118757	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9480)						2	2					
	5130294	ELBOW (1/2" TUBE X 3/8") (45 DEG.) (12.4090)	2		2	2						2		
	9402826	ELBOW (1/2" TUBE 3/4") (45 DEG.) (12.9390)												2
	5120020	FITTING, SWIVEL (12.4085)	2		2	2		2	2			2	2	2
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)				1								
	5130294	ELBOW (1/2" TUBE X 3/8") (45 DEG.) (12.4080)											2	
	218244	TEE (12.9616)				1								
	127874	NIPPLE, 1"X1 1/2" (12.9560)				1								
	190311	NIPPLE, 1"X2 1/2" (12.9560)				1								
		* NOT SERVICED, STANDARD LENGTH HOSE SHOWN WILL BE PROVIDED.												
		8.3831 - CLIP, CONVERTER TO TANK TUBE												
	5151189	CLIP (3/4" DIA. X 1 1/8"L.) (4.8040)	1	1	1	2		1	1			1	1	1
	5177331	BRACKET, CLIP (4.8042)	1	1		2		1	1			1	1	1
	181595	BOLT, 5/16"-24X3/4" (12.9001)	1	1	1	2		1	1			1	1	1
	120393	WASHER, 5/16" FLAT (12.9190)	1	1	1	2		1	1			1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1	2		1	1			1	1	1
	114493	NUT, 5/16"-24 HEX. (12.9120)	1	1	1	2		1	1			1	1	1
		8.3835 - PIPE, CONVERTER OIL TANK FILLER												
	5118621	PIPE (9 1/8"L.)												1
	111145	ELBOW, 1 1/4"-45 DEG. STREET (12.9590)												1

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 149	150	151	152	155	170	173	174	175	176	177	178
		8.3837 - CAP, OIL TANK BREATHER												
	1528732	CAP ASSY. (8.1965)												1
		8.3840 - DIPSTICK, (TORQUE CONVERTER)												
	5162930	DIPSTICK												1
	5153992	TUBE ASSY. (4.6020)												1
	5151430	GUIDE (4.6020)												1
		8.3845 - COVER, OIL TANK HAND HOLE												
	5187241	COVER												1
	179839	BOLT, 3/8"-16X1" (12.9001)												1
	103321	LOCKWASHER, 3/8" (12.9200)												1
		8.3850 - GASKET, OIL TANK HAND HOLE COVER												
	5187243	GASKET												1
		8.3870 - FILTER ASSY., CONVERTER OIL												
		A FILTER ASSY. INCLUDES ITEMS IN 8.3872 THRU 8.3879 AND 8.3884 THRU 8.3890.												
3D	5196393	FILTER ASSY. (9.3650)	1	1	1	1	1	1	1	1	1	1	1	1
3D	179839	BOLT, 3/8"-16X1" (12.9001)	3	3	4	3	3	4	3	4	3	3	4	3
3D	186679	BOLT, 3/8"-16X1 3/8" (12.9001)	1	1		1	1		1		1	1		1
3D	103341	WASHER, 3/8" FLAT (12.9190)	1	1		1	1		1		1	1		1
3D	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
		8.3872 - ELEMENT, CONVERTER OIL FILTER												
4B	5573014	# ELEMENT (AC TYPE PF-132) (FULL FLOW, PAPER TYPE) (4.2250) # INCLUDES GASKET IN 8.3875.	1	1	1	1	1	1	1	1	1	1	1	1
		8.3873 - ADAPTOR, OIL FILTER												
	5123382	ADAPTOR (4.2290)	1	1	1	1	1	1	1	1	1	1	1	1
4B	5145010	PLUG, 1/4" SQUARE HD. PIPE (12.9550)	2	2	2	1	1	2	2	2	2	2	2	2
		8.3874 - SHELL, CONVERTER OIL FILTER												
4B	5574008	SHELL (INCLUDES PLUG) (4.2280)	1	1	1	1	1	1	1	1	1	1	1	1
	5573162	DECAL (4.2280)	1	1	1	1		1	1	1	1	1	1	1
4B	5570480	PLUG (DRAIN) (2.3050)	1	1	1	1	1	1		1	1	1	1	1

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 149	150	151	152	155	170	173	174	175	176	177	178
		8.3875 - GASKET, CONVERTER OIL FILTER SHELL												
4B	5571024	GASKET (4.2300)	1	1	1	1	1	1	1	1	1	1	1	1
		8.3876 - SCREW, CONVERTER OIL FILTER COVER												
4B	5120740	STUD (CENTER) (4.2410)	1	1	1	1	1	1	1	1	1	1	1	1
		8.3877 - GASKET, CONVERTER OIL FILTER COVER SCREW												
4B	5187310	GASKET (RUBBER) (4.2330)	1	1	1	1	1	1	1	1	1	1	1	1
4B	5572799	GASKET (4.2330)	1	1	1	1	1	1	1	1	1	1	1	1
4B	5154538	WASHER (1.8182)	1	1	1	1	1	1	1	1	1	1	1	1
		8.3879 - SPRING, OIL FILTER												
4B	5187308	SPRING (4.2310)	1	1	1	1	1	1	1	1	1	1	1	1
4B	5120602	RING, SNAP (4.2315)	1	1	1	1	1	1	1	1	1	1	1	1
4B	5187309	RETAINER, SPRING (4.2315)	1	1	1	1	1	1	1	1	1	1	1	1
		8.3880 - BRACKET, CONVERTER OIL FILTER MOUNTING												
3D	5127767	BRACKET						1		1		1		
3D	5126813	BRACKET	1	1		1	1		1		1		1	
3D	181433	# BOLT, 1/2"-20X1 3/4" (12.9001)		2			2			2	2			
3D	103323	# LOCKWASHER, 1/2" (12.9200)		2			2			2	2			
3D	117051	# NUT, 1/2"-20 HEX. (12.9120)		2			2			2	2			
		# NOT REQUIRED ON BASE UNITS.												
		8.3882 - SUPPORT, OIL FILTER MOUNTING												
3D	5126815	SUPPORT (BRACKET)	1			1	1						1	
3D	5126814	SUPPORT (BRACKET)	1	1					1		1	1		
3D	5127767	SUPPORT (BRACKET)			1									
		8.3884 - VALVE, OIL FILTER PRESSURE REGULATOR												
4B	5133431	VALVE (4.2485)	1		1	1	1	1	1	1	1	1	1	1
		8.3886 - SPRING, OIL FILTER PRESSURE REGULATOR												
4B	5133594	SPRING (4.2486)	1		1	1	1	1	1	1	1	1	1	1

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 149	150	151	152	155	170	173	174	175	176	177	178
	8.3888	**- PLUG, OIL FILTER PRESSURE REGULATOR**												
4B	**5126686**	PLUG (4.2488)	1		1	1	1	1	1	1	1	1	1	1
	8.3890	**- GASKET, OIL FILTER PRESSURE REGULATOR PLUG**												
4B	**5575086**	GASKET (1.62"X1.38") (4.2489)	1		1	1	1	1	1	1	1	1	1	1

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 179	180	181	182	183	185	187	188	196	197	204
		8.3816 - STRAINER ASSY., CONVERTER OIL											
		A STRAINER ASSY. INCLUDES ELEMENT AND CAP IN 8.3816.											
3D	5187327	STRAINER ASSY. (8.3280)	1	1	1	1	1	1	1	1	1	1	1
	5193849	ELEMENT (8.3285)	1	1	1	1			1	1	1	1	1
	5193851	CAP (8.3285)	1	1	1	1				1	1	1	1
3D	111145	ELBOW, 1 1/4" STREET 45 DEG. (12.9590)	1	2	1	2	2	1	2	1	1	1	1
3D	190311	NIPPLE, 1/2"X2 1/2" PIPE (12.9360)				1				1	1	1	1
3D	190723	NIPPLE, 3/4"X2 1/2" PIPE (12.9360)				1	1		1				
3D	219359	NIPPLE, 1 1/4"X3" PIPE (12.9360)	1	1	1	1	1	1	1	1	1	1	1
3D	5115214	PLUG, 1/2" SQ. SOC. (12.9550)				2	1		1			1	1
3D	5142549	PLUG, 3/4" PIPE (12.9550)									1	1	
3D	5146646	PLUG, 1 1/4" PIPE (12.9550)				1	1		1		1	1	1
3D	218244	TEE (12.9616)				1				1			
3D	189775	TEE, 3/4"X3/4"X1/2" RED. PIPE (12.9616)				1	1		1				
3D	115237	TEE, 1" (12.9616)									1	1	1
3D	128003	BUSHING, 1"X3/4" RED. PIPE (12.9570)				1							
3D	120062	BUSHING, 1" X 1/2" RED. PIPE (12.9570)									1	1	1
3D	190717	NIPPLE, 3/4"X2" PIPE (12.9560)								1			
		8.3820 - TUBE, CONVERTER TANK TO PUMP											
	5115755	* HOSE, FLEX. (50"L.)						1					
	5124770	HOSE, FLEX. (62"L.)	1	1	1					1			
	9402714	ADAPTOR (8.3820)	2	2	2			2		2			
	137971	ELBOW, 1 1/4" PIPE 90 DEG. (TO TANK) (12.9600)	1	1	1			1		1			
		* OBSOLETE.											
		8.3821 - CLIP, CONVERTER TANK TO PUMP TUBE											
	5183246	CLIP	1	1	1			1		1			
	5183472	CLIP, 1 1/4" (9.1720)									1	1	1
	5158779	CLIP (5.5376)	1	1	1			1		1			
	5127861	BRACKET (7.1587)										1	1
	5181531	BRACKET, CLIP (4.8042)	1	1	1			1		1			
	181595	BOLT, 5/16"-24X3/4" (12.9001)	1	1	1			1		1			
	179839	BOLT, 3/8"-16 X 1" (12.9001)											1
	428204	BOLT, 5/8"-11 X 1" (12.9001)										1	
	103342	WASHER, 7/16" FLAT (12.9190)	1	1	1			1		1			
	103341	WASHER, 3/8" (12.9190)											1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1			1		1			
	103321	LOCKWASHER, 3/8" (12.9200)											1
	103325	LOCKWASHER, 5/8" (12.9200)										1	
	114493	NUT, 5/16"-24 HEX. (12.9120)	1	1	1			1		1			
		8.3825 - TUBE, OIL COOLER TO CONVERTER TANK											
	5127120	COVER									2	2	2
	5121808	HOSE, FLEX. (5/8"I.D.X14 5/8"L.)						1					
	5124812	GASKET (4.4084)									2	2	2
	5177697	HOSE, FLEX. (5/8" I.D. X 19 5/16" L) (8.3810)	1	1	1	1				1			
	2463035	ELBOW, 3/4"-45 DEG (4.4330)									1	1	1
	5176705	ELBOW, 3/4"-90 DEG. (8.3800)	1	1	1								
	141621	ELBOW, 3/4"-90 DEG. SDREET (12.9590)	1										
	128003	BUSHING, 1"X3/4" RED. PIPE (12.9570)	1	1	1			1		1			
	5142549	PLUG, 3/4"-14 (12.9550)									1	1	1
	5115214	PLUG, 1/2" (12.9550)									1		

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 179	180	181	182	183	185	187	188	196	197	204
		8.3825 - TUBE, OIL COOLER TO CONVERTER TANK (CONT'D)											
	179871	BOLT, 7/16"-14 X 3 1/4" (12.9001)									8	8	8
	103322	LOCKWASHER, 7/16" (12.9200)									8	8	8
	271500	NUT, 7/16"-14 (12.9120)									8	8	8

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 179	180	181	182	183	185	187	188	196	197	204
		8.3827 - TUBE, CONVERTER TO FILTER											
3D	5110613	HOSE, FLEX. (5/8"I.D.X11"L.) (8.3804)	1						1				
3D	5199722	HOSE, BULK (7/8" I.D. X 17.91" L.)									1	1	
3D	5199722	HOSE, BULK (7/8"I.D.X14"L.)											1
3D	5177697	HOSE, FLEX. (5/8"I.D.X19 5/16"L.) (8.3810)		1	1	1		1		1			
3D	5176705	ELBOW, 3/4"-90 DEG. (8.3800)	2					1	2				
3D	140798	ELBOW, 3/4"-45 DEG. STREET		1	1	1		1	1	1			
3D	9402869	ELBOW, 1" 90 DEG. TUBE									1		
3D	5199729	FITTING									1	1	1
3D	5199727	FITTING									1	1	1
3D	5148825	CONNECTOR, 1 5/16"-12 X 3/4"-14 (3.5428)									1	1	1
3D	5177664	CONNECTOR, 3/4" (8.3800)		1		1				1			
3D	9402713	CONNECTOR, 1" (12.9385)										1	1
3D	189775	TEE, 3/4"X1/2"X3/4" RED. (12.9616)		1	1			1					
3D	190723	NIPPLE, 3/4"X1 3/8" (12.9560)		1	1			1					
		8.3828 - TUBE, FILTER TO OIL COOLER											
3D	5120684	HOSE, FLEX. (5/8"I.D.X17 3/4"L.) (3.5505)	1	1									
3D	5176698	HOSE, FLEX. 5/8"I.D.X23 5/8"								1			
3D	5112421	HOSE, FLEX. (5/8"I.D.X25 11/16"L.) (3.5505)				1							
3D	5178023	HOSE, FLEX. (5/8" I.D. X 29 1/2" L.) (8.3820)			1								
3D	5199722	HOSE, BULK (7/8"I.D.X33"L.)											1
3D	5120029	HOSE, FLEX. (5/8"I.D.X36"L.) (3.5505)					1	1	1				
3D	5199722	HOSE, BULK (7/8" I.D. X 44.91" L.)										1	
3D	5199722	HOSE, BULK (7/8" I.D. X 54" L.)									1		
3D	5199729	FITTING (12.8552)									1	1	1
3D	5199727	FITTING (12.8552)									1	1	1
3D	5148825	CONNECTOR, 1 5/16"-12 X 3/4"-14 (3.5428)										1	
3D	140798	ELBOW, 3/4"-45 DEG. STREET (12.9590)	1	1	1	1	1	1	1	1			
3D	5176705	ELBOW, 3/4"-90 DEG. (8.3800)	1	1	1	1	1	1	1	1			
3D	2492119	ELBOW, 3/4"-90 DEG. (4.4330)									1		1
3D	128003	BUSHING, 1"X3/4" RED. (12.9570)	2			1			2	2			
3D	5142549	PLUG, 3/4" PIPE (12.9550)				1	1						
		8.3830 - TUBE, CONVERTER TO TANK											
	5124769	* HOSE, DRAIN (FLEX.) (49 1/2"L.) (5129157)	1	1						1			
	5123319	HOSE, DRAIN (FLEX.) (53 1/2"L.) (4.4330)						1					
	5124768	* HOSE, DRAIN (FLEX.) (61"L.) (5129157)			1								
	9402826	ELBOW, 1/2" TUBE X 3/4" 45 DEG.	2							2			
	5130294	ELBOW, 1/2" TUBE X 3/4" 45 DEG.		2	2			2					
	5120020	FITTING, SWIVEL	2	2	2			2		2			
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)	1										
	147885	TEE, 3/4" PIPE	1										
	5115214	PLUG, 1/2" SQ. HD.	1										
		* NOT SERVICED; STANDARD LENGTH HOSE SHOWN WILL BE FURNISHED.											
		8.3831 - CLIP, CONVERTER TO TANK TUBE											
	5151189	CLIP, 3/4" DIA. X 1 1/8" L. (4.8040)	1	1	1			1		1			
	5177331	BRACKET, CLIP (4.8042)	1	1	1			1		1			

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 179	180	181	182	183	185	187	188	196	197	204
		8.3831 - CLIP, CONVERTER TO TANK TUBE (CONT'D)											
	181595	BOLT, 5/16"-24X3/4" (12.9001)	1	1	1			1		1			
	120393	WASHER, 5/16" FLAT (12.9190)	1	1	1			1		1			
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1			1		1			
	114493	NUT, 5/16"-24 HEX. (12.9120)	1	1	1			1		1			
		8.3870 - FILTER ASSY., CONVERTER OIL											
		A FILTER ASSY. INCLUDES ITEMS IN 8.3872 THRU 8.3879 AND 8.3884 THRU 8.3890.											
3D	5196393	FILTER ASSY. (9.3650)	1	1	1	1	1	1	1	1	1	1	1
3D	179839	BOLT, 3/8"-16X1" (12.9001)	4	3	3	3	3	3	2	3	3	3	3
3D	186622	BOLT, 3/8"-16X1 3/8" (12.9001)		1	1	1	1	1		1	1	1	1
3D	103341	WASHER, 3/8" FLAT (12.9190)		AR	AR	AR	AR	AR		AR	AR	AR	AR
3D	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		8.3872 - ELEMENT, CONVERTER OIL FILTER											
4A	5573014	# ELEMENT (AC TYPE PF-132) (FULL FLOW, PAPER TYPE) (4.2250)	1	1	1	1	1	1	1	1	1	1	1
		# INCLUDES GASKET IN 8.3875.											
		8.3873 - ADAPTOR, OIL FILTER											
	5123382	ADAPTOR (4.2290)	1	1	1	1	1	1	1	1	1	1	1
4B	5121182	PLUG, 1/4" SQ. HD. PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2	2
		8.3874 - SHELL, CONVERTER OIL FILTER											
4B	5574008	SHELL, (INCLUDES PLUG) (4.2280)	1	1	1	1	1	1	1	1	1	1	1
	5573162	DECAL (4.2280)	1	1	1	1	1	1	1	1	1	1	1
4B	5570480	PLUG (DRAIN) (2.3050)	1	1	1	1	1	1	1	1	1	1	1
		8.3875 - GASKET, CONVERTER OIL FILTER SHELL											
4B	5571024	GASKET (4.2300)	1	1	1	1	1	1	1	1	1	1	1
		8.3876 - SCREW, CONVERTER OIL FILTER COVER											
	5120740	STUD (CENTER) (4.2410)	1	1	1	1	1	1	1	1	1	1	1

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 179	180	181	182	183	185	187	188	196	197	204
		8.3877 - GASKET, CONVERTER OIL FILTER COVER SCREW											
4B	5187310	GASKET (RUBBER) (4.2330)	1	1	1	1	1	1	1	1	1	1	1
4B	5572799	GASKET (4.2330)	1	1	1	1	1	1	1	1	1	1	1
4B	5154538	WASHER (1.8182)	1	1	1	1	1	1	1	1	1	1	1
		8.3879 - SPRING, OIL FILTER											
4B	5187308	SPRING (4.2310)	1	1	1	1	1	1	1	1	1	1	1
4B	5120602	RING, SNAP (4.2315)	1	1	1	1							
4B	5187309	RETAINER, SPRING (4.2315)	1	1	1	1	1	1	1	1	1	1	1
	122366	NUT, 5/8"-18 JAM.					1	1	1		1	1	
		8.3880 - BRACKET, CONVERTER OIL FILTER MOUNTING											
3D	5127767	BRACKET	1						1	1			
3D	5126813	BRACKET (8.3882)		1	1	1	1	1			1	1	1
3D	179839	BOLT, 3/8"-16X1" (12.9001)							2				
3D	181433	BOLT, 1/2"-20X1 3/4" (12.9001)				2	2		2		2	2	2
3D	103321	LOCKWASHER, 3/8" (12.9200)							2				
3D	103323	LOCKWASHER, 1/2" (12.9200)				2	2		2		2	2	2
3D	103028	NUT, 1/2"-20 HEX. (12.9120)				2	2		2		2	2	2
		8.3882 - SUPPORT, OIL FILTER MOUNTING											
3D	5126815	SUPPORT, BRACKET				1				1	1	1	1
3D	5126814	SUPPORT, BRACKET		1	1		1	1					
		8.3884 - VALVE, OIL FILTER PRESSURE REGULATOR											
4B	5133431	VALVE (4.2485)	1	1	1	1	1	1	1	1	1	1	1
		8.3886 - SPRING, OIL FILTER PRESSURE REGULATOR											
4B	5133594	SPRING (4.2486)	1	1	1	1	1	1	1	1	1	1	1
		8.3888 - PLUG, OIL FILTER PRESSURE REGULATOR											
4B	5126686	PLUG (4.2488)	1	1	1	1	1	1	1	1	1	1	1

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 179	180	181	182	183	185	187	188	196	197	204
		8.3890 - GASKET, OIL FILTER PRESSURE REGULATOR PLUG											
4B	**5575086**	GASKET	1	1	1	1	1	1	1	1	1	1	1

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Blear End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

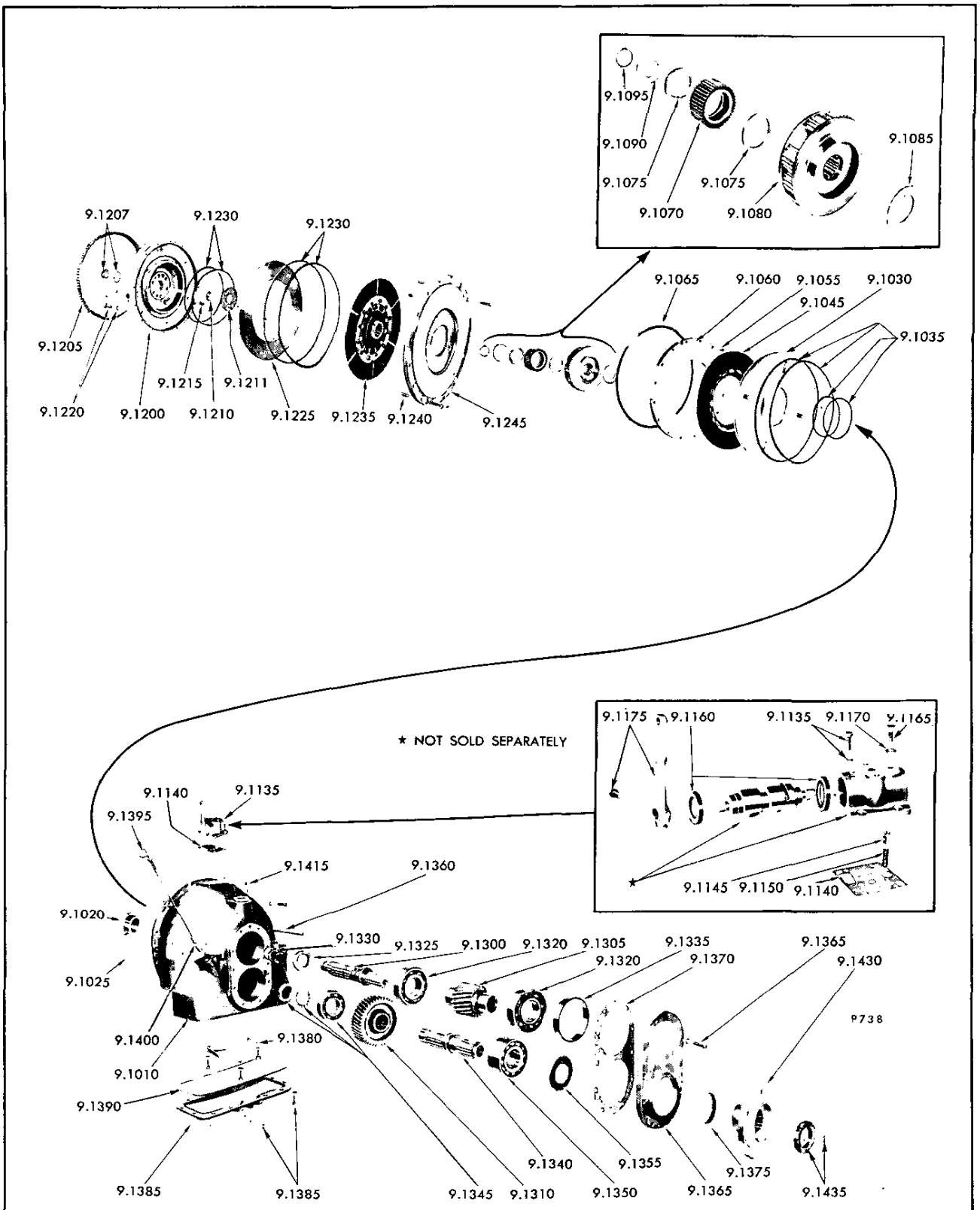
8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- **9.1000A Hydraulic Marine Gear**
- **9.1000A Hydraulic Marine Gear (Twin and Quad)**
- **9.2000A Reverse and Reduction Gear (mechanical)**
- **9.3000A Power Transfer Gear**
- **9.3000A Power Transfer Gear (Twin and Quad)**
- **9.4000 Transmission—Highway**
- **9.7000 Transmission—Off-highway**
- **9.9000 Transmission—Rail Car**

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts



HYDRAULIC MARINE GEAR ("M" GEAR)

Fig. 1A of 9.0000

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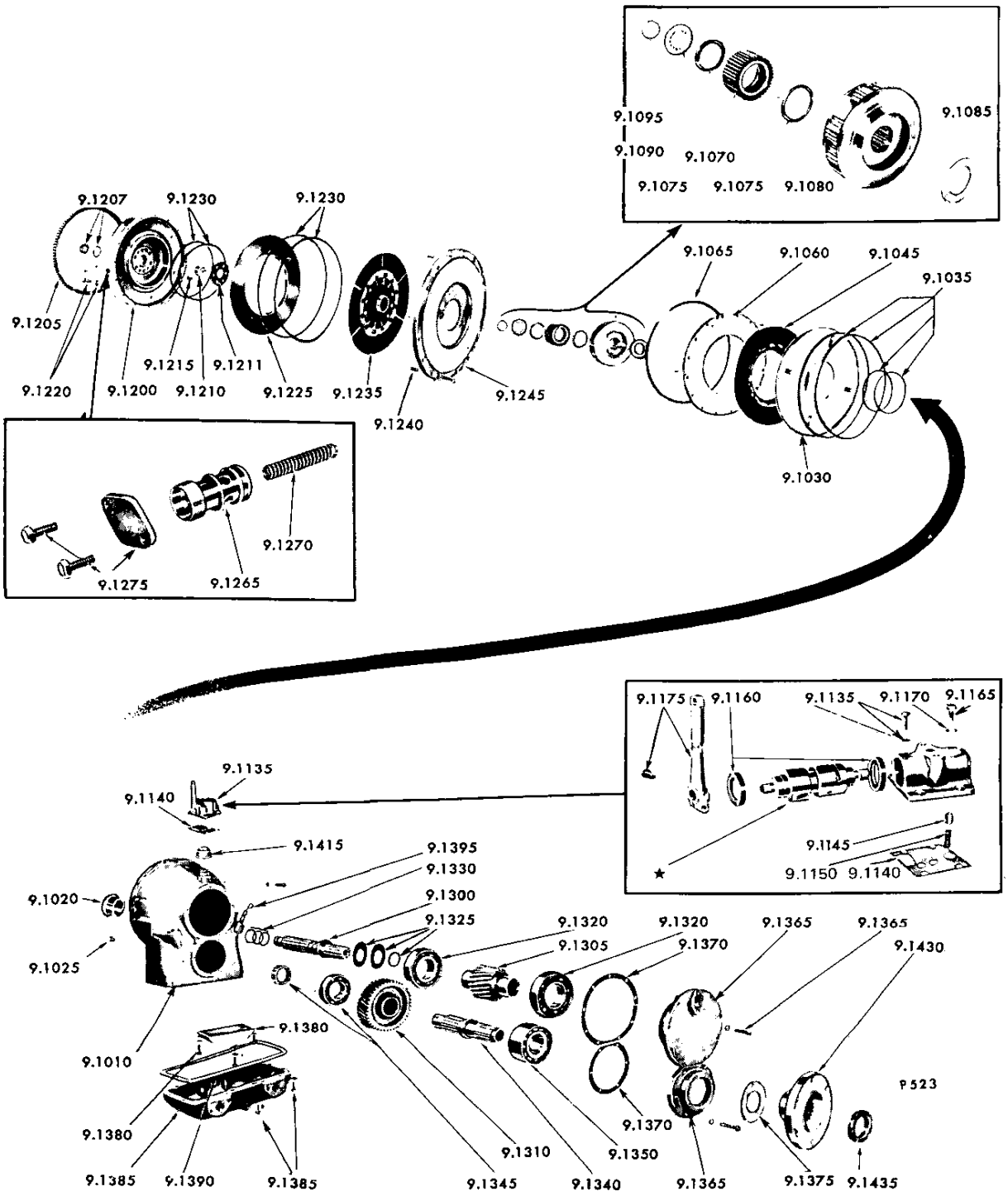

★NOT SOLD SEPARATELY

HYDRAULIC MARINE GEAR ("MH" GEAR)

Fig. 1B of 9.0000

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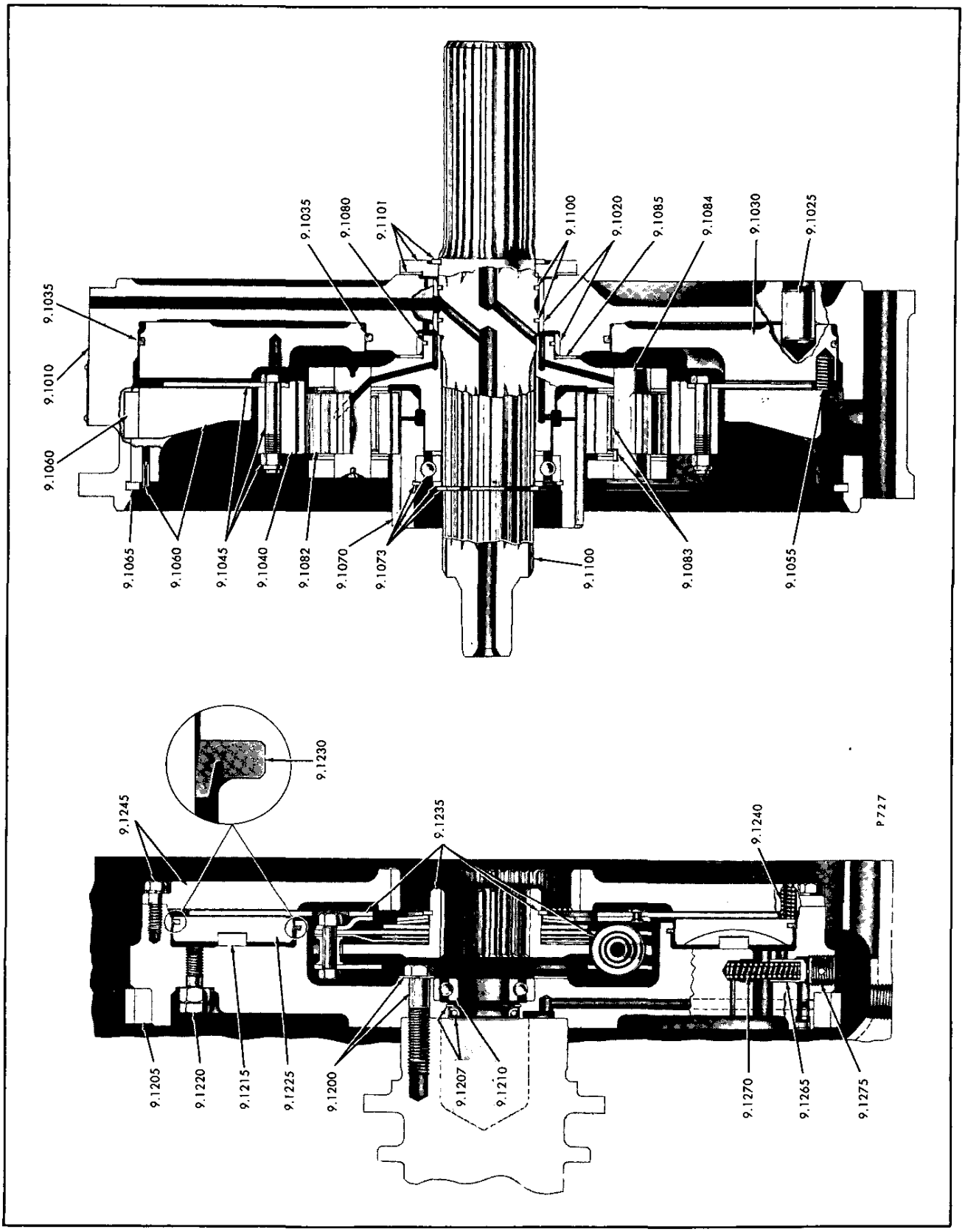

Fig. 1C of 9.0000

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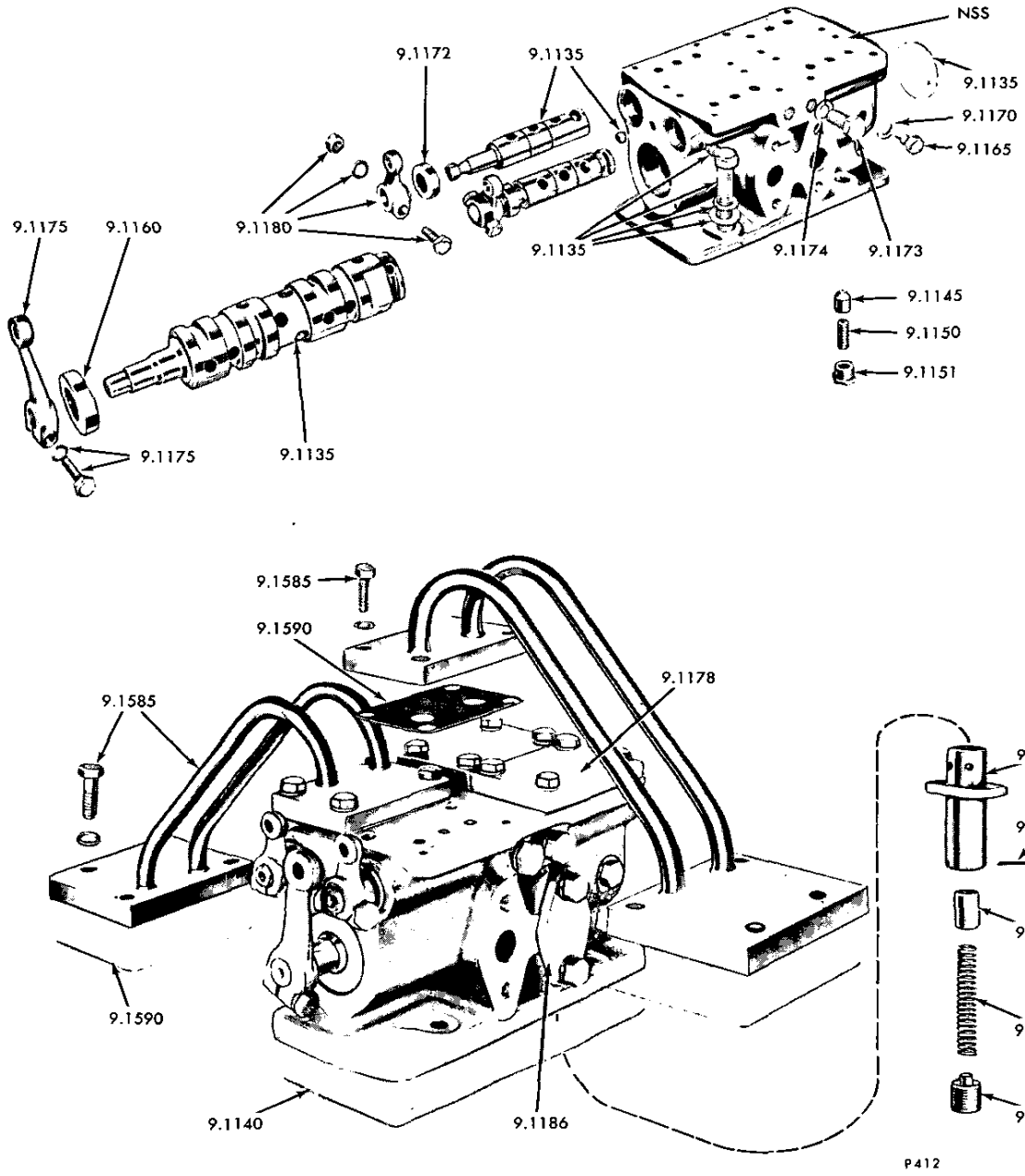

FIG. 1D HYDRAULIC MARINE GEAR SELECTOR VALVE (Twin Models)

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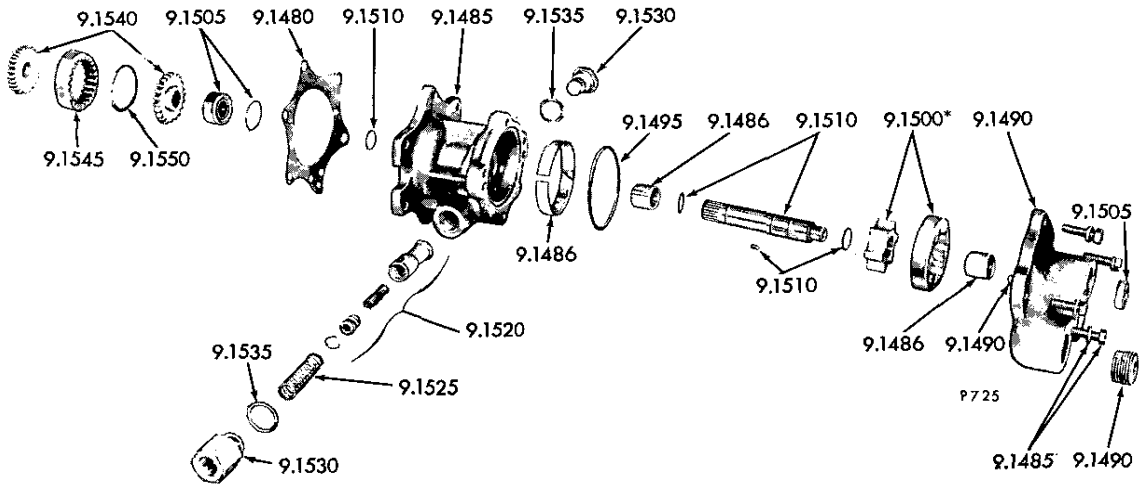
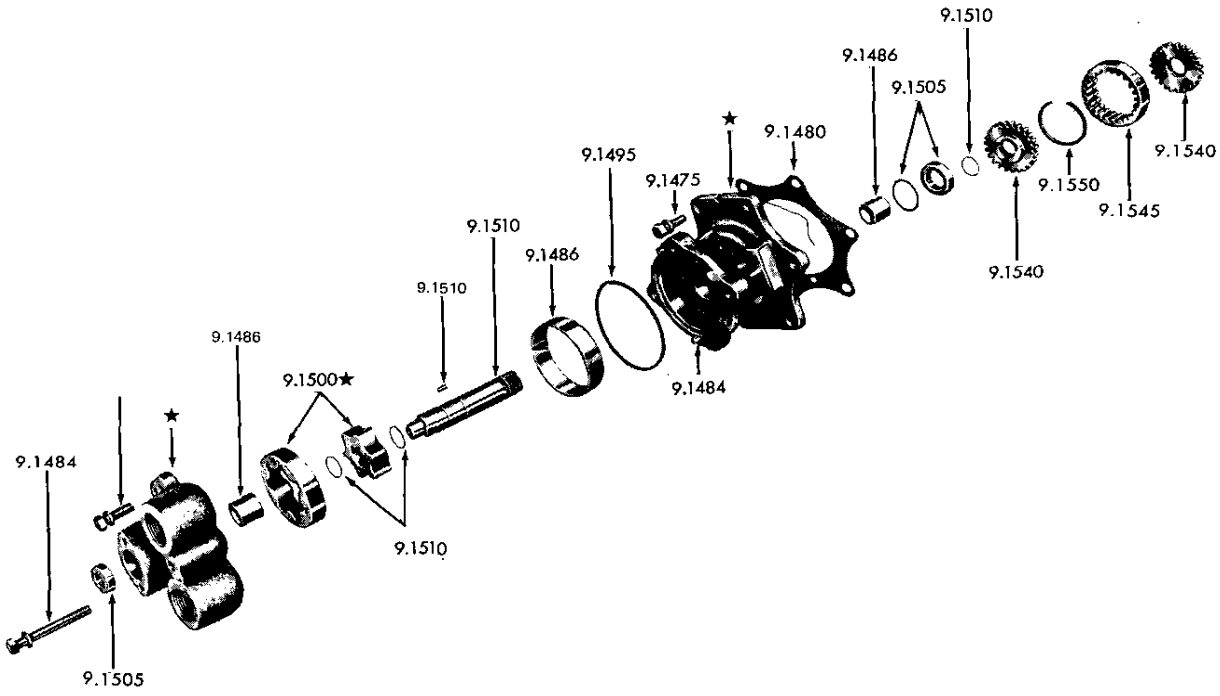


FIG. 2A



HYDRAULIC MARINE GEAR PUMP

Figs. 2A & 2B of 9.0000

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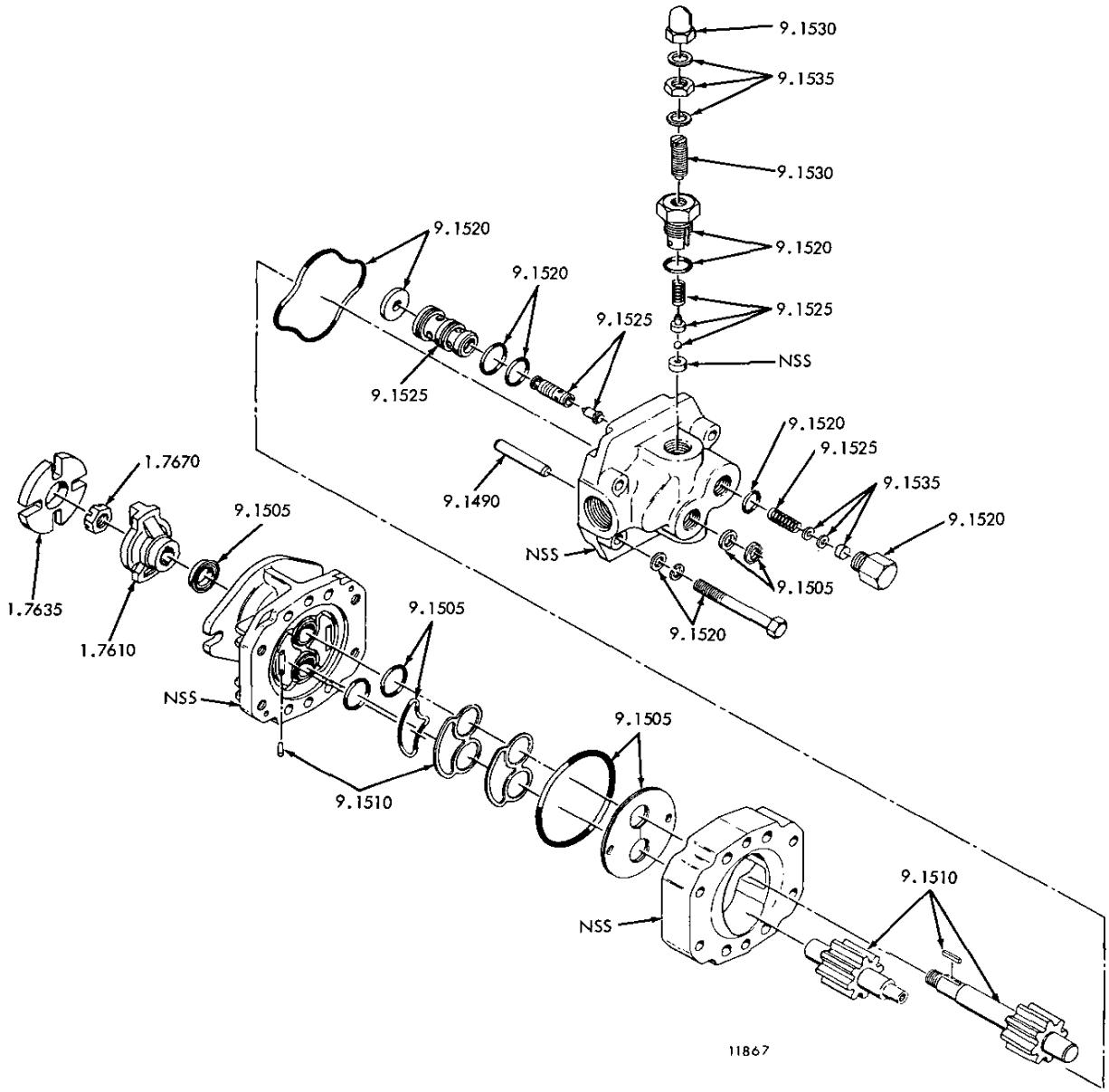

HYDRAULIC MARINE GEAR PUMP

FIG. 2C Of 9.0000

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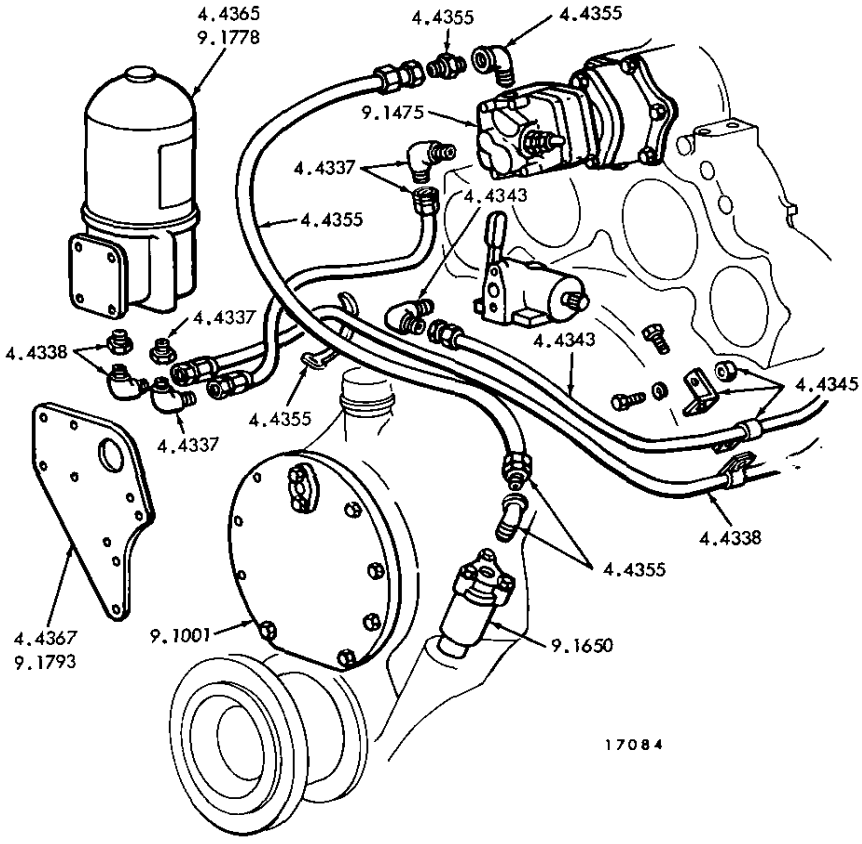

FIG. 2D MARINE GEAR FILTER-PUMP

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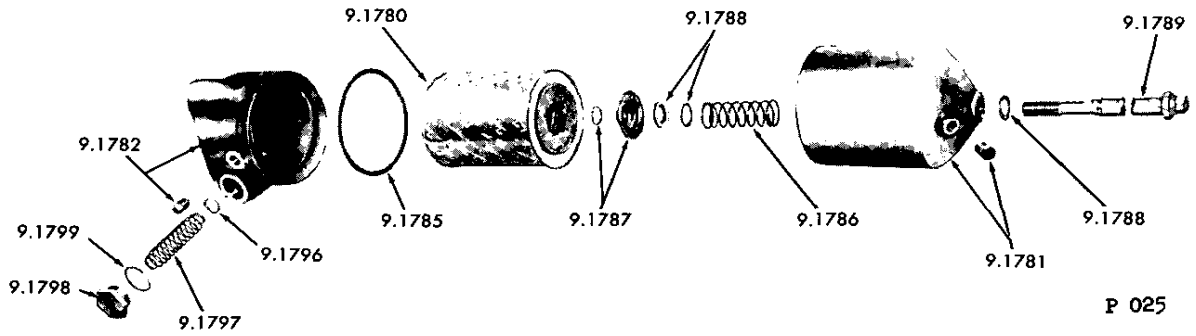

FIG. 3A HYDRAULIC MARINE GEAR OIL FILTER

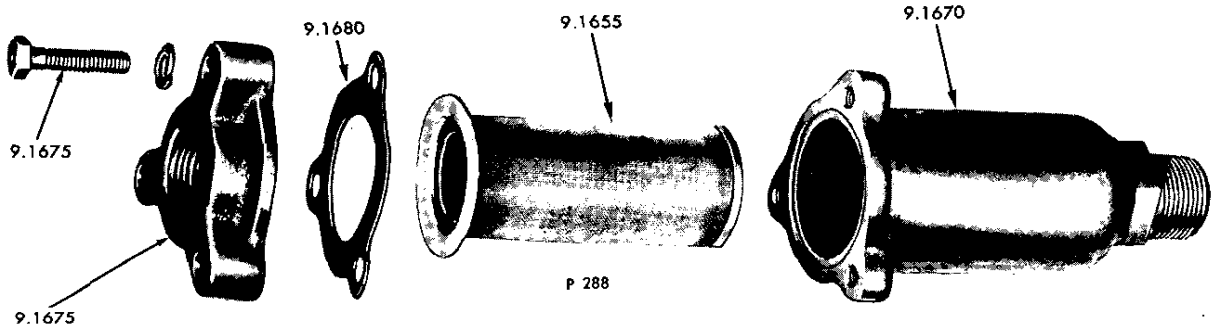

FIG. 3B HYDRAULIC MARINE GEAR OIL STRAINER

Figs. 3A & 3B of 9.0000

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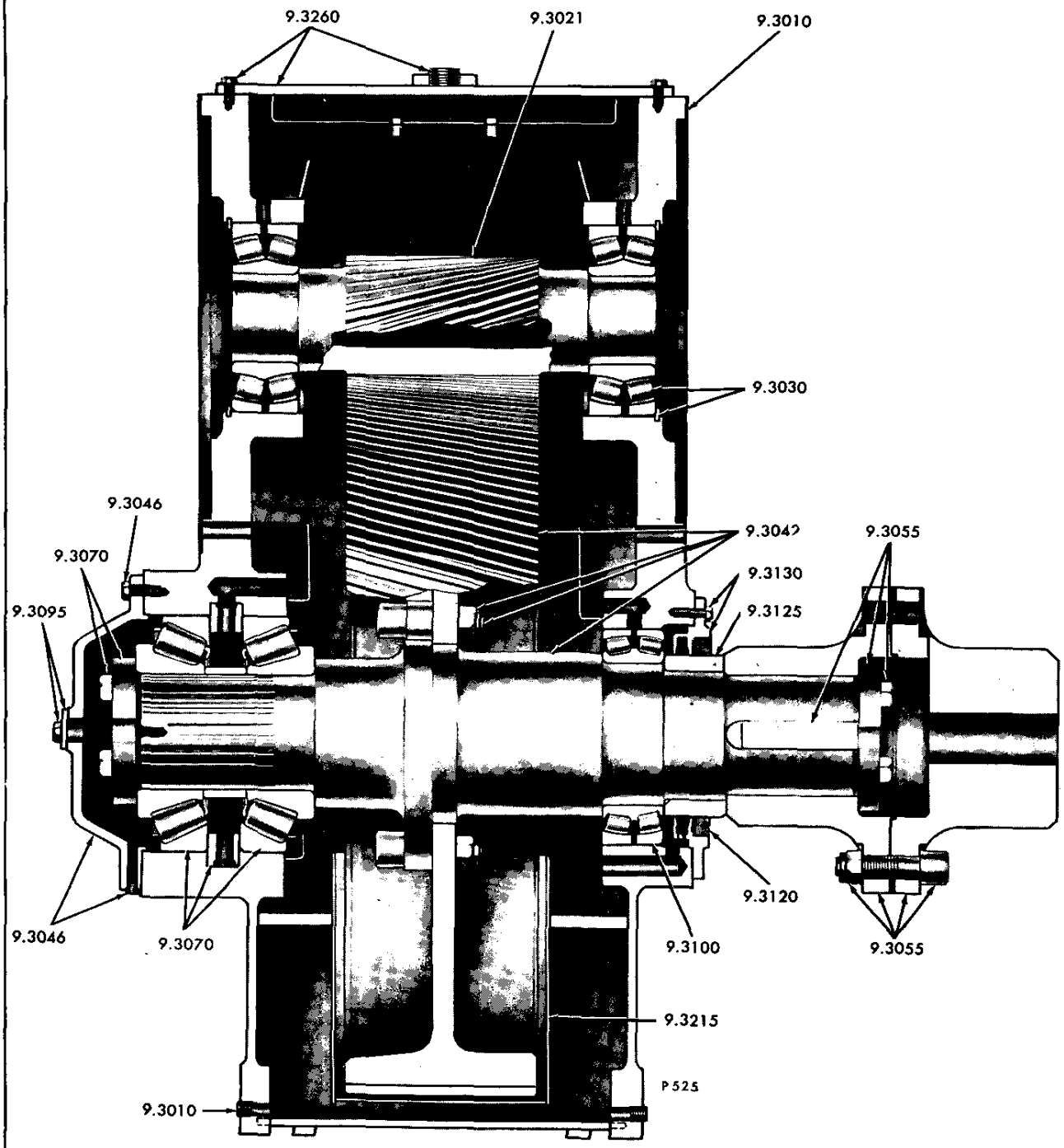

GEAR ASSY. (Tandem Twin)

Fig. 4A of 9.0000

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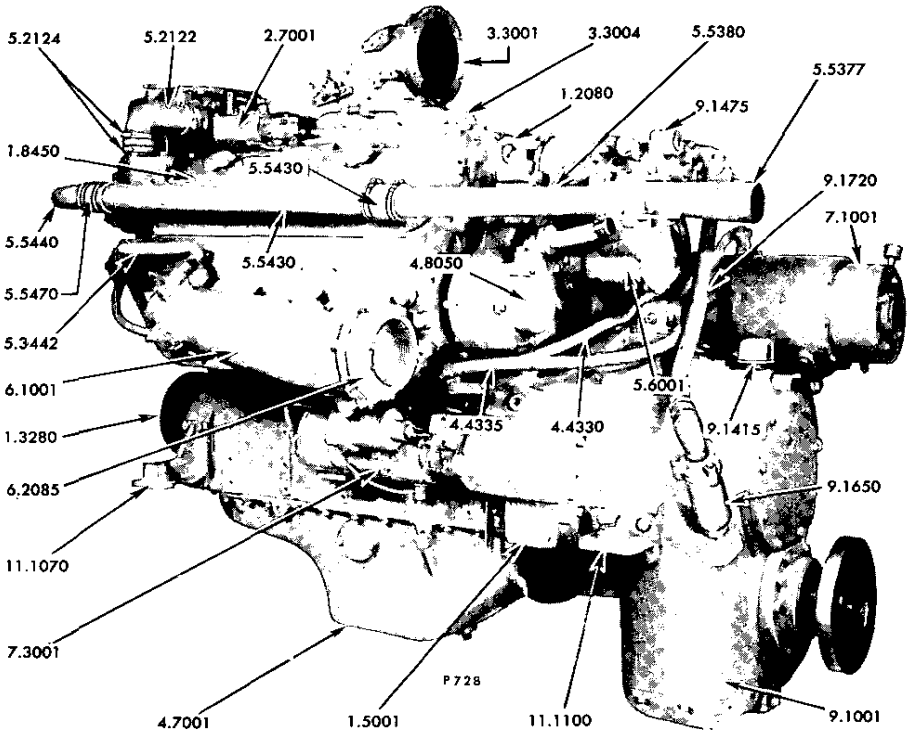

FIG. 10A

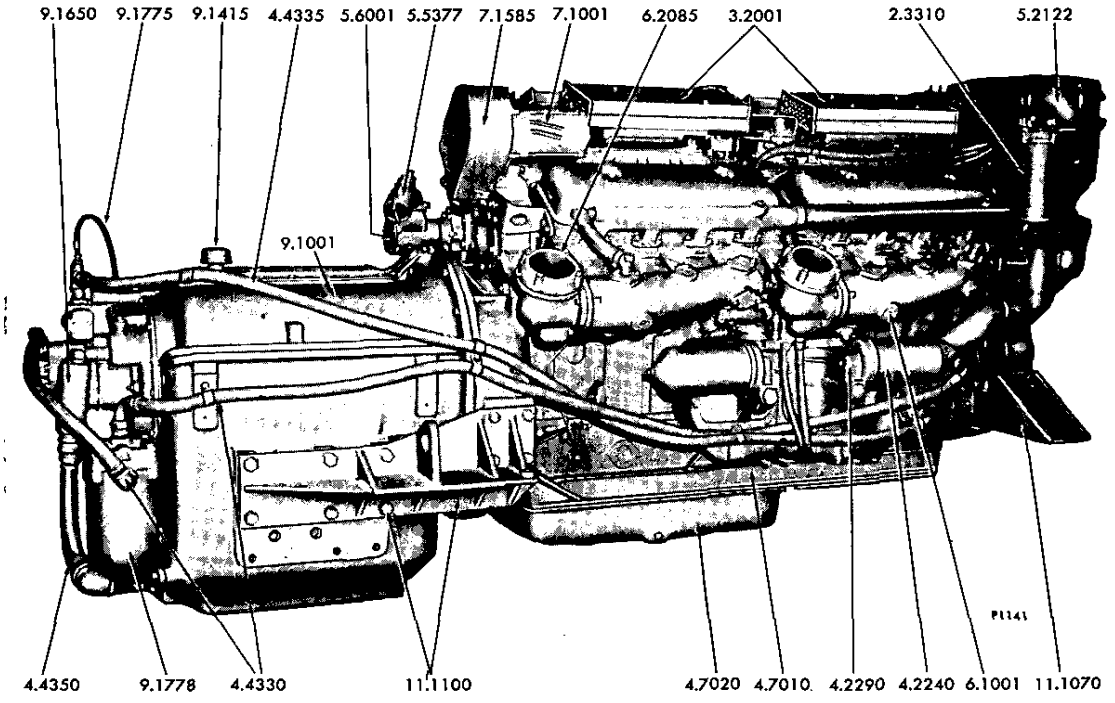

FIG. 10B

Figs. 10A & 10B of 9.0000

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	337	338	339	340	341	342	344
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW. A GEAR ASSY. DOES NOT INCLUDE FLYWHEEL FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING.												
1B,10A	**6759698**	GEAR ASSY. (4.5:1 MH, L.H.) (PAGE C1)	1											
1B,10A	**6759690**	GEAR ASSY. (1.1:1 MH, L.H.) (PAGE C7)		1										
1A	**6770010**	GEAR ASSY. (1.1:1 M, R.H.) (PAGE C13)			1									
1A	**6770013**	GEAR ASSY. (1.5:1 M, R.H.) (PAGE C13)				1								
1B,10A	**6759702**	GEAR ASSY. (2.5:1 MH, R.H.) (PAGE C7)					1							
1B,10A	**6759694**	GEAR ASSY. (2:1 MH, L.H.) (PAGE C1)						1						
1B,10A	**6759699**	GEAR ASSY. (3.75:1 MH, R.H.) (PAGE C1)							1					
1B,10A	**6759697**	GEAR ASSY. (4.5:1 MH, R.H.) (PAGE C1)								1				
1B,10A	**6759693**	GEAR ASSY. (2:1 MH, R.H.) (PAGE C1)									1			
1B,10A	**6759689**	GEAR ASSY. (1:1 MH, R.H.) (PAGE C7)										1		
1B	**6759691**	GEAR ASSY. (1.5:1 MH, R.H.) (PAGE C1)											1	
1C	**5122177**	* GEAR ASSY. (3:1 MG 512, L.H.) (TWIN DISC #29265)												1
1C	**5133633**	* GEAR ASSY. (3:1 MG 512, L.H.) (TWIN DISC #30561)												1
	6700520	PLATE, NAME	1	1	1	1	1	1	1	1	1	1	1	
	5170507	DECAL, ROTATION DIRECTION (ARROW)	1	1	1	1	1	1	1	1	1	1	1	1
	192413	SCREW, #4X1/4" DRIVE (12.9067)	4	4	4	4	4	4	4	4	4	4	4	
	186612	BOLT, 3/8"-16X1 1/8" (12.9001)	12	12	12	12	12	12	12	12	12	12	12	
	106337	BOLT, 7/16"-14X1 3/8" (12.9001)												12
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)												8
	103321	LOCKWASHER, 3/8" (12.9200)	12	12	12	12	12	12	12	12	12	12	12	
	103322	LOCKWASHER, 7/16" (12.9200)												12
	103323	LOCKWASHER, 1/2" (12.9200)												8

* NOT SERVICED BY DDA PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESES.

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	337	338	339	340	341	342	344
		9.1015 - GASKET, REVERSE GEAR HOUSING												
	5170683	GASKET	1	1	1	1	1	1	1	1	1	1	1	
		9.1017 - KIT, HYDRAULIC MARINE GEAR OVERHAUL GASKET												
		A KIT CONSISTS OF ITEMS IN 9.1015, 9.1035, 9.1140, 9.1230, 9.1280, 9.1370, 9.1390.												
	5193753	KIT, GASKET	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
		9.1035 - SEAL KIT, REVERSE CLUTCH PISTON												
		A KIT CONSISTS OF ONE EACH LARGE SEAL AND EXPANDER AND ONE EACH SMALL SEAL AND EXPANDER, NOT SOLD SEPARATELY.												
1A,B	**5192289**	SEAL KIT	1	1	1	1	1	1	1	1	1	1	1	
		9.1086 - REPAIR KIT, PLANETARY GEAR ASSY.												
		A REPAIR KIT INCLODES ITEMS IN 9.1083 AND 9.1084.												
	5194835	REPAIR KIT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR												
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215, 9.1220 AND 9.1265 THRU 9.1280.												
1A	**5119849**	* FLYWHEEL ASSY.	1	1	1	1	1	1	1	1	1	1	1	
1A	**5176183**	@ FLYWHEEL ASSY. (LESS PISTON) (1.4001)	1	1	1	1	1	1	1	1	1	1	1	

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	337	338	339	340	341	342	344
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR (CONT'D)												
	5192498	# @ FLYWHEEL AND PISTON ASSY. (1.4001)	1	1	1	1	1	1	1	1	1	1	1	
	5150130	* PLUG (VERTICAL OIL PASSAGE) (1.1001)	1	1	1	1	1	1	1	1	1	1	1	
	5171410	PLUG (7/32"L.)	1	1	1	1	1	1	1	1	1	1	1	
	5174541	PLUG (29/32"L.)	1	1	1	1	1	1	1	1	1	1	1	
	141236	* PIN (PLUG) (HORIZONTAL OIL PASSAGE)	1	1	1	1	1	1	1	1	1	1	1	
	9411631	BOLT, LOCK (12.9001)	6	6	6	6	6	6	6	6	6	6	6	
		* EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		@ THRU 6VA-12123, 8VA-3458. NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE 5119849 FLYWHEEL ASSY.												
		# INCLUDES FLYWHEEL ASSY. 5176183 PLUS ITEMS IN 9.1225 AND 9.1230.												
		9.1203 - FLYWHEEL AND FORWARD CLUTCH KIT												
		INCLUDES 5119849 FLYWHEEL AND PISTON ASSY. PLUS LOCK BOLTS IN 9.1200 AND ITEMS IN 9.1211, 9.1235, 9.1237 AND 9.1240.												
	5196134	KIT (DUMP VALVE TYPE)	1	1	1	1	1	1	1	1	1	1	1	
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING												
1A,B	5188030	GEAR (1.4010)	1	1	1	1	1	1	1	1	1	1	1	
		9.1207 - SEAL, FLYWHEEL OIL												
1A,B	5173384	SEAL	1	1	1	1	1	1	1	1	1	1	1	
1A,B	9413380	RING, SNAP	1	1	1	1	1	1	1	1	1	1	1	
		9.1210 - BEARING, FLYWHEEL PILOT												
1A,B	907084	BEARING (N.D. Z99507L1C) (8.1450)	1	1	1	1	1	1	1	1	1	1	1	
		9.1211 - RETAINER, PILOT BEARING												
1A,B	5173434	* RETAINER	1	1	1	1	1	1	1	1	1	1	1	
1A,B	5120753	@ RETAINER (1.4045)	1	1	1	1	1	1	1	1	1	1	1	
		* THRU 6VA-12123, 8VA-3458.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	337	338	339	340	341	342	344
		9.1211 - RETAINER, PILOT BEARING (CONT'D)												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1215 - PIN, FORWARD CLUTCH												
1A,B	**5130672**	* PIN (9.1025)	3	3	3	3	3	3	3	3	3	3	3	
1A,B	**5120017**	@ PIN	3	3	3	3	3	3	3	3	3	3	3	
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY ENGAGEMENT												
1A	**5171411**	* BOLT	6	6	6	6	6	6	6	6	6	6	6	
1A	**5189539**	@ BOLT (1/2"-13X1.38")	3	3	3	3	3	3	3	3	3	3	3	
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1225 - PISTON, FORWARD CLUTCH												
1A	**5171420**	* PISTON	1	1	1	1	1	1	1	1	1	1	1	
1A	**5189542**	@ PISTON	1	1	1	1	1	1	1	1	1	1	1	
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1230 - SEAL, FORWARD CLUTCH PISTON												
		A SEAL KIT CONSISTS OF ONE INNER SEAL AND EXPANDER AND ONE OUTER SEAL AND EXPANDER WHICH ARE NOT SOLD SEPARATELY.												
1A,B	**5192288**	SEAL KIT (ALLISON GEAR)	1	1	1	1	1	1	1	1	1	1	1	
		9.1235 - PLATE, FORWARD CLUTCH DISC												
		A PLATE ASSY. INCLUDES SPRING IN 9.1237.												
1A,B	**5101603**	PLATE ASSY.	1	1	1	1	1	1	1	1	1	1	1	

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	337	338	339	340	341	342	344
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE												
	2007110	SPRING (8.1037)	12	12	12	12	12	12	12	12	12	12	12	
		9.1240 - SPRING, FORWARD CLUTCH RELEASE												
1A,B	**6701093**	SPRING (9.1055)	16	16	16	16	16	16	16	16	16	16	16	
		9.1245 - PLATE, FORWARD CLUTCH REACTION												
1A	**5182407**	PLATE (MH GEAR)	1	1			1	1	1	1	1	1	1	
1A	**5171419**	PLATE (M GEAR)			1	1								
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	16	16	16	16	16	16	16	16	16	16	16	
	103321	LOCKWASHER, 3/8" (12.9200)	16	16	16	16	16	16	16	16	16	16	16	
		9.1265 - VALVE, FORWARD CLUTCH DUMP												
1A	**5171416** *	VALVE (PISTON)	1	1	1	1	1	1	1	1	1	1	1	
1A	**5119848** @	VALVE	1	1	1	1	1	1	1	1	1	1	1	
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1270 - SPRING, FORWARD CLUTCH DUMP VALVE												
1A	**5171417** *	SPRING	1	1	1	1	1	1	1	1	1	1	1	
1A	**5156815** @	SPRING	1	1	1	1	1	1	1	1	1	1	1	
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING												
1A	**5171414** *	COVER	1	1	1	1	1	1	1	1	1	1	1	
	5119824 @	PLUG (7/8")	1	1	1	1	1	1	1	1	1	1	1	
1A	**9409220** *	BOLT, 1/4"-20X3/4" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1280 - GASKET, FORWARD CLUTCH DUMP VALVE SPRING COVER												
1A	**5171415** *	GASKET	1	1	1	1	1	1	1	1	1	1	1	
		* THRU 6VA-12123, 8VA-3458.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	337	338	339	340	341	342	344
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		A COUPLING ASSY. INCLUDES BOLTS, NUTS, LOCKWASHER AND PIN IN 9.1440 AND 9.1445.												
	5170849	# COUPLING			1	1								
	5171130	COUPLING ASSY. (5"L.)			1	1								
	5186176	COUPLING ASSY. (6 1/2"L.) (9.3445)	1	1			1	1	1	1	1	1		
	5136144	COUPLING (8"L.)												1
	271637	BOLT, 3/8"-16X2 3/4" (12.9001)	8	8			8	8	8	8	8	8		
	271587	BOLT, 5/8"-18X2" (12.9001)			6	6								
	271642	BOLT, 3/4"-17X4" (12.9001)			2	2								
	273037	BOLT, 7/8"-14X5 1/4" (12.9001)	2	2			2	2	2	2	2	2	2	
	223784	BOLT, 1"-14X2 3/4" (12.9001)												8
	103325	LOCKWASHER, 5/8" (12.9200)			6	6								
	103326	LOCKWASHER, 3/4" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
	103327	LOCKWASHER, 7/8" (12.9200)	2	2			2	2	2	2	2	2	2	2
	121326	LOCKWASHER, 1" (12.9200)												8
	103030	NUT, 5/8"-18 HEX. (12.9120)			6	6								
	117054	NUT, 3/4"-16 HEX. (12.9120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
	218200	NUT, 7/8"-14 HEX. (12.9120)	2	2			2	2	2	2	2	2	2	
	216353	NUT, 1"-14 HEX. (12.9120)												8
		# NOT MACHINED, EXCEPT FOR FLANGE.												
		9.1445 - PIN, PROPELLER DRIVE SHAFT COUPLING												
	5170920	PIN			1	1								
	5170923	PIN	1	1			1	1	1	1	1	1	1	
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL												
2B,C,D	5112419	* PUMP ASSY. (EATON) (PAGE A1)	1	1	1	1	1	1	1	1	1	1	1	
	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)	2	2	2	2	2	2	2	2	2	2	2	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		9.1477 - ADAPTOR, MARINE GEAR OIL PUMP												
	5123950	* ADAPTOR	1	1	1	1	1	1	1	1	1	1	1	
2B	5124093	* STUD, 3/8"-24X5.78"	2	2	2	2	2	2	2	2	2	2	2	
	186658	* BOLT, 3/8"-24X5 1/2" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
	117049	* NUT, 3/8"-24 HEX. (12.9120)	2	2	2	2	2	2	2	2	2	2	2	
		* THRU 6VA-50621, 8VA-81196;												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	337	338	339	340	341	342	344
	9.1477	**- ADAPTOR, MARINE GEAR OIL PUMP (CONT'D)**												
		AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
	9.1478	**- GASKET, HYDRAULIC MARINE GEAR OIL PUMP ADAPTOR**												
	5122227	GASKET (TO FLYWHEEL HOUSING) (1.5060)	1	1	1	1	1	1	1	1	1	1	1	
	9.1480	**- GASKET, MARINE GEAR OIL PUMP**												
	5150057	* GASKET (AT ADAPTOR) (1.5060) * THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.	1	1	1	1	1	1	1	1	1	1	1	
	9.1540	**- HUB, HYDRAULIC PUMP DRIVE**												
	5171922	* HUB * THRU 6VA-50621, 8VA-81196.	2	2	2	2	2	2	2	2	2	2	2	
	9.1545	**- RING, HYDRAULIC PUMP COUPLING**												
	5160408	* RING (12.4055) * THRU 6VA-50621, 8VA-81196.	1	1	1	1	1	1	1	1	1	1	1	
	9.1550	**- RETAINER, PUMP COUPLING**												
2A	**2070610**	* RING (12.4060) * THRU 6VA-50621, 8VA-81196.	1	1	1	1	1	1	1	1	1	1	1	
	9.1650	**- STRAINER ASSY., OIL (MARINE GEAR)**												
		SEE ASSEMBLY BREAKDOWN PAGE D1.												
2D,3B	**5112512**	STRAINER ASSY. (IN LINE TYPE)	1	1	1	1	1	1	1	1	1	1	1	
	9.1720	**- TUBE, HYDRAULIC MARINE GEAR OIL STRAINER TO PUMP**												
2D	**5125788**	* HOSE (FLEX. 23 1/2"L.)	1	1	1	1	1	1	1	1	1	1	1	
2D	**5177502**	@ HOSE (FLEX. 28 1/2"L.) (GEAR TO PUMP)	1											

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 332	333	334	335	336	337	338	339	340	341	342	344
		9.1720 - TUBE, HYDRAULIC MARINE GEAR OIL STRAINER TO PUMP (CONT'D)												
2D	5183079	CONNECTOR, 1 5/16"X1" PIPE TAP	1	1	1	1	1	1	1	1	1	1	1	
2D	108687	ELBOW, 1" STREET 90 DEG. (12.9590)	1	1	1	1	1	1	1	1	1	1	1	
		* THRU 6VA-50621, 8VA-81196.												
		@ EFFECTIVE WITH 6VA-50622, 8VA-81197.												
		9.1775 - TUBE, OIL PRESSURE GAGE												
10A	5118781	* TUBE ASSY. (11 3/16"L., 3/16"I.D. FLEX.) (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	5131604	= HOSE, FLEX. (15 21/32"L. 1/2"I.D.)												1
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1	
	118748	= CONNECTOR, 1/4" TUBE (12.9380)												1
	1508350	FITTING, RESTRICTION 7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)												1
		* THRU 12VA-10445, 16VA-2287.												
		= EFFECTIVE WITH 12VA-10446, 16VA-2288 EXCEPT 16VA-2310 AND 2312.												
		9.1778 - FILTER ASSY., OIL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
2D	5129129	# FILTER ASSY.	1	1	1	1	1		1	1	1	1	1	
	5575213	+ DECAL (4.2280)	1	1	1	1	1		1	1	1	1	1	
2D	186619	# BOLT, 3/8"-16X1 1/8" (12.9001)	4	4	4	4	4		4	4	4	4	4	
	103321	# LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4		4	4	4	4	4	
		# EFFECTIVE WITH 6VA-067 AND 8VA-280.												
		+ OBSOLETE.												
		9.1793 - BRACKET, OIL FILTER MOUNTING												
2D	5122379	BRACKET (M & MH TYPE GEAR)	1	1	1	1	1		1	1	1	1	1	
2D	5128606	* BRACKET (M AND MH TYPE GEAR)			1	1			1	1				
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	3	3	3	3	3		3	3	3	3	3	
	428211	* BOLT, 5/8"-11X1 1/4" (12.9001)			2	2								
	103325	* LOCKWASHER, 5/8" (12.9200)			2	2								
		* EFFECTIVE WITH 6VA-1629, 8VA-476, WITHOUT RESILIENT ENGINE MOUNTS.												

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9.1000A HYDRAULIC MARINE GEAR

9.1001 - GEAR ASSY., HYDRAULIC MARINE

SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW. A GEAR ASSY. DOES *NOT INCLUDE* FLYWHEEL FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 345	346	347	348	352	353	354	355	356	357	358	359
1B	**6759692**	GEAR ASSY. (1.5:1 MH, L.H.) (PAGE C1)	1											
10B	**5122176**	% GEAR ASSY. (3:1 MG 512, R.H.) (TWIN DISC #29264)		1										
10B	**5133634**	* GEAR ASSY. (3:1 MG 512, R.H.) (TWIN DISC #30560)		1										
10B	**5133632**	% GEAR ASSY. (2:1 MG 512, R.H.) (TWIN DISC #30558)			1									
10B	**5122175**	% GEAR ASSY. (2:1 MG 512, L.H.) (TWIN DISC #28975)				1								
10B	**5133631**	% GEAR ASSY. (2:1 MG 512, L.H.) (TWIN DISC #30559)				1								
1B	**6759695**	GEAR ASSY. (3:1 MH, R.H.) (PAGE C1)					1							
1B	**6759696**	GEAR ASSY. (3:1 MH, L.H.) (PAGE C1)						1						
1A	**6770016**	GEAR ASSY. (2:1 M, R.H.) (PAGE C13)							1					
1A	**6770015**	GEAR ASSY. (2:1 M, L.H.) (PAGE C13)								1				
1B	**6759700**	GEAR ASSY. (3.75:1 MH, L.H.) (PAGE C1)									1			
1B	**6759701**	GEAR ASSY. (2.5:1 MH, L.H.) (PAGE C7)										1		
1A	**6770012**	GEAR ASSY. (1.5"1 M, L.H.) (PAGE C13)											1	
1A	**6770009**	GEAR ASSY. (1:1 M, L.H.) (PAGE C13)												1
	6700520	PLATE, NAME	1				1	1	1	1	1	1	1	1
	5170507	DECAL, ROTATION DIRECTION (ARROW)	1	1	1	1	1	1	1	1	1	1	1	1
	192413	SCREW, #4X1/4" DRIVE (12.9067)	4				4	4	4	4	4	4	4	4
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	12				12	12	12	12	12	12	12	12
	106337	BOLT, 7/16"-14X1 3/8" (12.9001)		12	12	12								
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)		8	8	8								
	103321	LOCKWASHER, 3/8" (12.9200)	12				12	12	12	12	12	12	12	12
	103322	LOCKWASHER, 7/16" (12.9200)		12	12	12								
	103323	LOCKWASHER, 1/2" (12.9200)		8	8	8								

* NOT SERVICED BY DDA PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESES.

% OBSOLETE.

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 345	346	347	348	352	353	354	355	356	357	358	359		
		9.1015 - GASKET, REVERSE GEAR HOUSING														
	5170683	GASKET	1				1	1	1	1	1	1	1	1		
		9.1017 - KIT, HYDRAULIC MARINE GEAR OVERHAUL GASKET														
		A KIT CONSISTS OF ITEMS IN 9.1015, 9.1035, 9.1140, 9.1230, 9.1280 9.1370, 9.1390.														
	5193753	KIT, GASKET	AR				AR	AR	AR	AR	AR	AR	AR	AR		
		9.1035 - SEAL KIT, REVERSE CLUTCH PISTON														
		A KIT CONSISTS OF ONE EACH LARGE SEAL AND EXPANDER AND ONE EACH SMALL SEAL AND EXPANDER, NOT SOLD SEPARATELY.														
1A,B	**5192289**	SEAL KIT	1				1	1	1	1	1	1	1	1		
		9.1086 - REPAIR KIT, PLANETARY GEAR ASSY.														
		A REPAIR KIT INCLUDES ITEMS IN 9.1083 AND 9.1084.														
	5194835	REPAIR KIT	AR				AR	AR	AR	AR	AR	AR	AR	AR	AR	
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR														
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215, 9.1220 AND														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 345	346	347	348	352	353	354	355	356	357	358	359
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR (CONT'D)												
		9.1265 THRU 9.1280.												
1A	**5119849**	* FLYWHEEL ASSY.	1				1	1	1	1	1	1	1	1
1A	**5176183**	@ FLYWHEEL ASSY. (LESS PISTON) (1.4001)	1				1	1	1	1	1	1	1	1
	5192498	# @ FLYWHEEL AND PISTON ASSY. (1.4001)	1				1	1	1	1	1	1	1	1
	5150130	* PLUG (VERTICAL OIL PASSAGE) (1.1001)	1				1	1	1	1	1	1	1	1
	5171410	PLUG (7/32" L.)	1				1	1	1	1	1	1	1	1
	5174541	PLUG (29/32"L.)	1				1	1	1	1	1	1	1	1
	141236	* PIN (PLUG) (HORIZONTAL OIL PASSAGE)	1				1	1	1	1	1	1	1	1
	9411631	BOLT, LOCK (12.9001)	6				6	6	6	6	6	6	6	6
		* EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		@ THRU 6VA-12123, 8VA-3458. NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE 5119849 FLYWHEEL ASSY.												
		# INCLUDES FLYWHEEL ASSY. 5176183 PLUS ITEMS IN 9.1225 AND 9.1230.												
		9.1203 - FLYWHEEL AND FORWARD CLUTCH KIT												
		INCLUDES 5119849 FLYWHEEL AND PISTON ASSY. PLUS LOCK BOLTS IN 9.1200 AND ITEMS IN 9.1211, 9.1235, 9.1237 AND 9.1240.												
	5196134	KIT (DUMP VALVE TYPE)	1				1	1	1	1	1	1	1	1
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING												
1A,B	**5188030**	GEAR (1.4010)	1				1	1	1	1	1	1	1	1
		9.1207 - SEAL, FLYWHEEL OIL												
1A,B	**5173384**	SEAL	1				1	1	1	1	1	1	1	1
1A,B	**9413380**	RING, SNAP	1				1	1	1	1	1	1	1	1
		9.1210 - BEARING, FLYWHEEL PILOT												
1A,B	**907084**	BEARING (N.D. Z99507L1C) (8.1450)	1				1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 345	346	347	348	352	353	354	355	356	357	358	359
		9.1211 - RETAINER, PILOT BEARING												
1A,B	**5173434**	* RETAINER	1				1	1	1	1	1	1	1	1
1A,B	**5120753**	@ RETAINER (1.4045)	1				1	1	1	1	1	1	1	1
		* THRU 6VA-12123, 8VA-3458. @ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1215 - PIN, FORWARD CLUTCH												
1A,B	**5130672**	* PIN (9.1025)	3				3	3	3	3	3	3	3	3
1A,B	**5120017**	@ PIN	3				3	3	3	3	3	3	3	3
		* THRU 6VA-12123, 8VA-3458. @ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY ENGAGEMENT												
1A	**5171411**	* BOLT	6				6	6	6	6	6	6	6	6
	123550	@ NUT, 1/2"-13 HEX. (12.9120)	3				3	3	3	3	3	3	3	3
		* THRU 6VA-12123, 8VA-3458. @ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1225 - PISTON, FORWARD CLUTCH												
1A	**5171420**	* PISTON	1				1	1	1	1	1	1	1	1
1A	**5189542**	@ PISTON	1				1	1	1	1	1	1	1	1
		* THRU 6VA-12123, 8VA-3458. @ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1230 - SEAL, FORWARD CLUTCH PISTON												
		A SEAL KIT CONSISTS OF ONE INNER SEAL AND EXPANDER AND ONE OUTER SEAL AND EXPANDER WHICH ARE NOT SOLD SEPARATELY.												
1A,B	**5192288**	SEAL KIT (ALLISON GEAR)	1				1	1	1	1	1	1	1	1
		9.1235 - PLATE, FORWARD CLUTCH DISC												
		A PLATE ASSY. INCLUDES SPRING IN 9.1237.												
1A,B	**5101603**	PLATE ASSY.	1				1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 345	346	347	348	352	353	354	355	356	357	358	359
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE												
	2007110	SPRING (8.1037)	12				12	12	12	12	12	12	12	12
		9.1240 - SPRING, FORWARD CLUTCH RELEASE												
1A,B	**6701093**	SPRING (9.1055)	16				16	16	16	16	16	16	16	16
		9.1245 - PLATE, FORWARD CLUTCH REACTION												
1A	**5182407**	PLATE (MH GEAR)	1				1	1			1	1		
1A	**5171419**	PLATE (M GEAR)							1	1			1	1
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	16				16	16	16	16	16	16	16	16
	103321	LOCKWASHER, 3/8" (12.9200)	16				16	16	16	16	16	16	16	16
		9.1265 - VALVE, FORWARD CLUTCH DUMP												
1A	**5171416** *	VALVE (PISTON)	1				1	1	1	1	1	1	1	1
1A	**5119848** @	VALVE	1				1	1	1	1	1	1	1	1
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1270 - SPRING, FORWARD CLUTCH DUMP VALVE												
1A	**5171417** *	SPRING	1				1	1	1	1	1	1	1	1
1A	**5156815** @	SPRING	1				1	1	1	1	1	1	1	1
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING												
1A	**5171414** *	COVER	1				1	1	1	1	1	1	1	1
	5119824 @	PLUG (7/8")	1				1	1	1	1	1	1	1	1
1A	**9409220** *	BOLT, 1/4"-20X3/4" (12.9001)	2				2	2	2	2	2	2	2	2
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-121248 8VA-3459.												
		9.1280 - GASKET, FORWARD CLUTCH DUMP VALVE SPRING COVER												
1A	**5171415** *	GASKET	1				1	1	1	1	1	1	1	1
		* THRU 6VA-12123, 8VA-3458.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 345	346	347	348	352	353	354	355	356	357	358	359
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		A COUPLING ASSY. INCLUDES BOLTS, NUTS, LOCKWASHER AND PIN IN 9.1440 AND 9.1445.												
	5170849	# COUPLING							1	1			1	1
	5171130	COUPLING ASSY. (5"L.)							1	1			1	1
	5186176	COUPLING ASSY. (6 1/2CL.) (9.3445)	1				1	1			1	1		
	5136144	COUPLING (8"L.)		1	1	1								
	271637	BOLT, 3/8"-16X2 3/4" (12.9001)	8				8	8			8	8	8	
	271587	BOLT, 5/8"-18X2" (12.9001)							6	6			6	6
	271642	BOLT, 3/4"-17X4" (12.9001)							2	2			2	2
	273037	BOLT, 7/8"-14X5 1/4" (12.9001)	2				2	2			2	2		
	223784	BOLT, 1"-14X2 3/4" (12.9001)		8	8	8								
	103325	LOCKWASHER, 5/8" (12.9200)							6	6			6	6
	103326	LOCKWASHER, 3/4" (12.9200)	AR				AR	AR	AR	AR	AR	AR	AR	AR
	103327	LOCKWASHER, 7/8" (12.9200)	2				2	2			2	2		
	121326	LOCKWASHER, 1" (12.9200)					8	8	8	8			8	8
	117053	NUT, 5/8"-18 HEX. (12.9120)							6	6			6	6
	117054	NUT, 3/4"-16 HEX. (12.9120)	AR				AR	AR	AR	AR	AR	AR	AR	AR
	117055	NUT, 7/8"-14 HEX. (12.9120)	2				2	2			2	2		
	117056	NUT, 1"-14 HEX. (12.9120)		8	8	8								
		# NOT MACHINED, EXCEPT FOR FLANGE.												
		9.1445 - PIN, PROPELLER DRIVE SHAFT COUPLING												
	5170920	PIN							1	1			1	1
	5170923	PIN	1				1	1			1	1		
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL												
2D	5112419	* PUMP ASSY. (EATON) (PAGE A1)	1				1	1	1	1	1	1	1	1
	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)	2				2	2	2	2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	AR				AR	AR	AR	AR	AR	AR	AR	AR
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A *TYPE 797 HYDRECO PUMP.*												
		9.1477 - ADAPTOR, MARINE GEAR OIL PUMP												
	5123950	* ADAPTOR	1				1	1	1	1	1	1	1	1
	5124093	* STUD, 3/8"-24X5.78"	2				2	2	2	2	2	2	2	2
	186658	* BOLT, 3/8"-24X5 1/2" (12.9001)	2				2	2	2	2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	AR				AR	AR	AR	AR	AR	AR	AR	AR
	117049	* NUT, 3/8"-24 HEX. (12.9120)	2				2	2	2	2	2	2	2	2

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 345	346	347	348	352	353	354	355	356	357	358	359
		9.1477 - ADAPTOR, MARINE GEAR OIL PUMP (CONT'D)												
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		9.1478 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP ADAPTOR												
	5122227	GASKET (TO FLYWHEEL HOUSING) (1.5060)	1				1	1	1	1	1	1	1	1
		9.1480 - GASKET, MARINE GEAR OIL PUMP PUMP												
	5150057	* GASKET (AT ADAPTOR) (1.5060)	1				1	1	1	1	1	1	1	1
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		9.1540 - HUB, HYDRAULIC PUMP DRIVE												
	5171922	* HUB	2				2	2	2	2	2	2	2	2
		* THRU 6VA-50621, 8VA-81196.												
		9.1545 - RING, HYDRAULIC PUMP COUPLING												
	5160408	* RING (12.4055)	1				1	1	1	1	1	1	1	1
		* THRU 6VA-50621, 8VA-81196.												
		9.1550 - RETAINER, PUMP COUPLING												
2A	2070610	* RING (12.4060)	1				1	1	1	1	1	1	1	1
		* THRU 6VA-50621, 8VA-81196.												
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR)												
		SEE ASSEMBLY BREAKDOWN PAGE D1.												
2D,3B	5112512	STRAINER ASSY. (IN LINE TYPE)	1				1	1	1	1	1	1	1	1
		9.1720 - TUBE, HYDRAULIC MARINE GEAR OIL STRAINER TO PUMP												
2D	5125788	* HOSE (FLEX. 23 1/2"L.)	1				1	1	1	1	1	1	1	1
2D	5183079	CONNECTOR, 1 5/16"X1" PIPE TAP	1				1	1	1	1	1	1	1	1
2D	108687	ELBOW, 1" STREET 90 DEG. (12.9590)	1				1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 345	346	347	348	352	353	354	355	356	357	358	359
		9.1720 - TUBE, HYDRAULIC MARINE GEAR OIL STRAINER TO PUMP (CONT'D)												
		* THRU 6VA-50621, 8VA-81196.												
		9.1775 - TUBE, OIL PRESSURE GAGE												
10A	**5118781**	* TUBE ASSY. (11 3/16"L., 3/16"I.D.FLEX.) (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	5131604	= HOSE, FLEX. (15 21/32"L. 1/2"I.D.)		1	1	1								
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.8480)	1				1	1	1	1	1	1	1	1
	118748	= CONNECTOR, 1/4" TUBE (12.9380)		1	1	1								
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	141539	BUSHING, 1/4"X1/8" RED. (12.9570)		1		1								
	144050	BUSHING, 1/2"X1/8" RED. (12.9570)			1									
		* THRU 12VA-10445, 16VA-2287.												
		= EFFECTIVE WITH 12VA-10446, 16VA-2288 EXCEPT 16VA-2310 AND 2312.												
		9.1778 - FILTER ASSY., OIL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
2D	**5129129**	# FILTER ASSY.	1					1		1	1	1	1	1
	5575213	+ DECAL (4.2280)	1					1		1	1	1	1	1
2D	**186619**	# BOLT, 3/8"-16X1 1/8" (12.9001)	4					4		4	4	4	4	4
	103321	# LOCKWASHER, 3/8" (12.9200)	4					4		4	4	4	4	4
		# EFFECTIVE WITH 6VA-067 AND 8VA-280.												
		+ OBSOLETE.												
		9.1793 - BRACKET, OIL FILTER MOUNTING												
2D	**5122379**	BRACKET (M & MH TYPE GEAR)	1					1	1	1	1	1	1	1
2D	**5128606**	* BRACKET (M AND MH TYPE GEAR)	1						1	1	1	1	1	1
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	3					3	3	3	3	3	3	3
	428211	* BOLT, 5/8"-11X1 1/4" (12.9001)	2						2	2	2	2	2	2
	103325	* LOCKWASHER, 5/8" (12.9200)	2						2	2	2	2	2	2
		* EFFECTIVE WITH 6VA-1629, 8VA-476, WITHOUT RESILIENT ENGINE MOUNTS.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3621	3631	3641	3651	3661	3671	3681	3861	3931	4411	5121	5131
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW. A GEAR ASSY. DOES NOT INCLUDE FLYWHEEL FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING.												
10B	**5123404**	* GEAR ASSY. (4.5:1 MG 512, R.H.) (TWIN DISC #29009)	1											
10B	**5109403**	* GEAR ASSY. (6:1 MG 514, R.H.) (TWIN DISC #29328)		1										
	5102121	# GEAR ASSY. (DIRECT DRIVE) (CAPITAL GEAR INC. HPD200 G.M.)			1									
10B	**5123405**	* GEAR ASSY. (4.15:1 MG 512, L.H.) (TWIN DISC #29010)				1								
	5124106	& GEAR ASSY. (2.17:1 R.H.) (SNOW NABSTEDT #3961-233 L.H.)					1							
	5124105	& GEAR ASSY. (2.17:1 L.H.) (SNOW NABSTEDT #3961-233 R.H.)						1						
10B	**5109404**	* GEAR ASSY. (6:1 MG 512, L.H.) (TWIN DISC #29329)							1					
1A	**6770016**	GEAR ASSY. (2:1 M, R.H.) (PAGE C15)								1				
1B,10A	**6759695**	GEAR ASSY. (3:1 MH, R.H.) (PAGE C1)									1			
1B,10A	**6759694**	GEAR ASSY. (2:1 MH, L.H.) (PAGE C1)										1		
	6753771	GEAR ASSY. (DIRECT DRIVE, L.H.) (PAGE C13)											1	
	6753753	GEAR ASSY. (DIRECT DRIVE, R.H.) (PAGE C13)												1
	5126122	# ADAPTOR, FLYWHEEL HOUSING (CAPITAL GEAR INC. #109933)			1									
	6832907	PLATE, NAME								1	1	1	1	1
	5170507	DECAL, ROTATION DIRECTION (ARROW)	1	1		1			1	1	1	1		
	5146646	PLUG, 1 1/4" PIPE (12.9550)			2									
	192413	SCREW, #4X1/4" DRIVE (12.9067)					4	4		4	4	4	4	4
	138243	BOLT, 3/8"-16X1 1/4" (12.9001)					3	3						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)								12	12	12	10	10
	138246	BOLT, 3/8"-16X2" (12.9027)			4									
	138247	BOLT, 3/8"-16X2 1/4" (12.9027)			8									
	179848	BOLT, 3/8"-16X1 1/4" (12.9001)					12	12						
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)					12	12						
	106337	BOLT, 7/16"-14X1 3/8" (12.9001)							11					
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	12	12		12								
	138269	BOLT, 7/16"-14X1 3/4" (12.9027)			8									
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)	8	8		8			8					
	103321	LOCKWASHER, 3/8" (12.9200)					AR	AR		AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR		AR	AR	AR	AR					

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 362	363	364	365	366	367	368	386	393	441	512	513
		9.1001 - GEAR ASSY., HYDRAULIC MARINE (CONT'D)												
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR		AR			AR					
		* NOT SERVICED BY DDA PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.												
		# SERVICED AS AN ASSY. ONLY; FOR REPLACEMENT PARTS CONTACT CAPITAL GEAR INC., ST. PAUL 5, MINNESOTA. FURNISH THEIR ASSY. PART NUMBER SHOWN IN PARENTHESES.												
		& FOR REPLACEMENT PARTS CONTACT SNOW NABSTEDT GEAR CORP., NEW HAVEN, CONNECTICUT. FURNISH THEIR ASSY. PART NUMBER SHOWN IN PARENTHESES.												
		9.1015 - GASKET, REVERSE GEAR HOUSING												
	5170683	GASKET								1	1	1	1	1
	5167651	@ GASKET (8.1050)											1	1
		@ NOT SERVICED BY DDA, FOR ASSEMBLY OR COMPONENTS CONTACT FALK CORP., MILWAUKEE, WIS.												
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL												
		A KIT CONSISTS OF ITEMS IN 9.1015, 9.1035, 9.1140, 9.1230, 9.1280, 9.1370, 9.1390.												
	5193753	KIT, GASKET								AR	AR	AR	AR	AR
		9.1086 - REPAIR KIT, PLANETARY GEAR ASSY.												
		A REPAIR KIT INCLUDES ITEMS IN 9.1083 AND 9.1084.												
	5194835	REPAIR KIT								AR	AR	AR	AR	AR
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR												
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215,												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 362	363	364	365	366	367	368	386	393	441	512	513
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR (CONT'D)												
		9.1220 AND 9.1265, THRU 9.1280.												
1A	**5176183**	* *FLYWHEEL ASSY. (1.4001)*								1	1	1	1	1
1A	**5192498**	# * FLYWHEEL ASSY. (1.4001)								1	1	1	1	1
1A	**5119849**	@ FLYWHEEL ASSY.								1	1	1	1	1
	5126123	+ ADAPTOR, FLYWHEEL (CAPITAL GEAR INC. #10993)			1									
	5125804	GASKET, FLYWHEEL ADAPTOR			1									
	5150130	@ PLUG (VERTICAL OIL PASSAGE) (1.1001)								1	1	1	1	1
1A	**5171410**	PLUG (7/32"L.) (HORIZONTAL OIL PASSAGE)								1	1	1	1	1
	5174541	PLUG (29/32"L.) (VERTICAL OIL PASSAGE)								1	1	1	1	1
	141236	@ *PIN (PLUG) (HORIZONTAL OIL PASSAGE)* (12.9290)								1	1	1	1	1
	9411631	BOLT, LOCK (12.9001)								6	6	6	6	6
	138243	BOLT, 3/8"-16X1 1/4" (12.9001)			8									
		* THRU 6VA-12123, 8VA-3458. NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE 5119849 FLYWHEEL ASSY.												
		# INCLUDES FLYWHEEL ASSY. 5176183 *PLUS ITEMS IN 9.1225 AND 9.1230.*												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		+ NOT SERVICED. FOR REPLACEMENT PARTS, CONTACT THE CAPITAL GEAR INC. ST. PAUL, MINN. FURNISH THEIR ASSY. PART NUMBER SHOWN IN PARENTHESES.												
		9.1203 - FLYWHEEL AND FORWARD CLUTCH KIT												
		INCLUDES 5119849 FLYWHEEL AND PISTON ASSY. PLUS LOCK BOLTS IN 9.1200 AND ITEMS IN 9.1211, 9.1235, 9.1237 AND 9.1240.												
	5196134	* KIT								1	1	1	1	1
		* THRU 6VA-12123, 8VA-3458.												
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING												
1A,B	**5188030**	GEAR (1.4010)								1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 362	363	364	365	366	367	368	386	393	441	512	513
		9.1207 - SEAL, FLYWHEEL OIL												
1A,B	5173384	SEAL								1	1	1	1	1
1A,B	9413380	RING, SNAP								1	1	1	1	1
		9.1210 - BEARING, FLYWHEEL PILOT												
1A,B	907084	BEARING (N.D. Z99507L1C) (1.4040)								1	1	1	1	1
		9.1211 - RETAINER, PILOT BEARING												
1A,B	5173434 *	RETAINER								1	1	1	1	1
1A,B	5120753 @	RETAINER (1.4045)								1	1	1	1	1
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1215 - PIN, FORWARD CLUTCH												
1A,B	5130672 *	PIN (9.1025)								3	3	3	3	3
1A,B	5120017 @	PIN								3	3	3	3	3
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY RELEASE												
1A	5171411 *	BOLT								6	6	6	6	6
1A	5189539 @	BOLT (1/2"-13X1.38")								3	3	3	3	3
	123550 @	NUT, 1/2"-13 HEX. (12.9120)								3	3	3	3	3
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1225 - PISTON, FORWARD CLUTCH												
1A	5171420 *	PISTON								1	1	1	1	1
1A	5189542 @	PISTON								1	1	1	1	1
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1230 - SEAL, FORWARD CLUTCH												
		A SEAL KIT CONSISTS OF ONE INNER SEAL AND EXPANDER AND ONE OUTER SEAL AND EXPANDER WHICH ARE NOT												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 362	363	364	365	366	367	368	386	393	441	512	513
		9.1230 - SEAL, FORWARD CLUTCH (CONT'D)												
		SOLD SEPARATELY.												
1A,B	**5192288**	SEAL KIT (ALLISON GEAR)								1	1	1	1	1
		9.1235 - PLATE, FORWARD CLUTCH DISC												
		A PLATE ASSY. INCLUDES SPRING IN 9.1237.												
1A,B	**5101603**	PLATE ASSY.								1	1	1		
1A	**5188730**	DISC ASSY.											1	1
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE												
	2007110	SPRING (8.1037)								12	12	12		
		9.1240 - SPRING, FORWARD CLUTCH RELEASE												
1A,B	**6701093**	SPRING (9.1055)								16	16	16	16	16
		9.1245 - PLATE, FORWARD CLUTCH REACTION												
1A	**5182407**	PLATE (MH GEAR)									1	1		
1A	**5171419**	PLATE (M GEAR)								1			1	1
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)								16	16	16	16	16
	103321	LOCKWASHER, 3/8" (12.9200)								16	16	16	16	16
		9.1265 - VALVE, FORWARD CLUTCH DUMP												
1A	**5171416**	* VALVE (PISTON, GROOVED)								1	1	1	1	1
1A	**5119848**	@ VALVE (PISTON, PLAIN)								1	1	1	1	1
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1270 - SPRING, FORWARD CLUTCH DUMP VALVE												
1A	**5171417**	* SPRING								1	1	1	1	1
1A	**5156815**	@ SPRING (4.1690)								1	1	1	1	1
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 362	363	364	365	366	367	368	386	393	441	512	513
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING												
1B	5171414	* COVER								1	1	1	1	1
	5119824	@ PLUG (7/8")								1	1	1	1	1
1B	9409220	* BOLT, 1/4"-20X3/4" (12.9001)								2	2	2	2	2
		* THRU 6VA-12123, 8VA-3458.												
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.												
		9.1280 - GASKET, FORWARD CLUTCH DUMP VALVE SPRING COVER												
	5171415	* GASKET								1	1	1	1	1
		* THRU 6VA-12123, 8VA-3458.												
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		A COUPLING ASSY. INCLUDES BOLTS, NUTS, AND LOCKWASHER IN 9.1440 AND 9.1445.												
	5170849	* COUPLING								1				
	5136144	COUPLING (8"L.)	1	1		1			1					
	5124424	COUPLING (9"L.)					1	1						
	5171130	COUPLING ASSY. (5"L.)								1				
	5186176	COUPLING ASSY. (6 1/2"L.) (9.3445)									1	1		
	271637	BOLT, 3/8"-16X2 3/4" (12.9001)									8	8		
	273037	BOLT, 7/8"-14X5 1/4" (12.9001)									2	2		
	223784	BOLT, 1"-14X2 3/4" (12.9001)	8	8		8			8					
	103325	LOCKWASHER, 5/8" (12.9200)								6				
	103326	LOCKWASHER, 3/4" (12.9200)								AR	AR	AR		
	103327	LOCKWASHER, 7/8" (12.9200)									2			
	121326	LOCKWASHER, 1" (12.9200)	8	8		8			8					
	117054	NUT, 3/8"-16 HEX. (12.9120)								AR	AR	AR		
	103030	NUT, 5/8"-18 HEX. (12.9120)								6				
	218200	NUT, 7/8"-14 HEX. (12.9120)									2	2		
	216353	NUT, 1"-14 HEX. (12.9120)	8	8		8			8					
		* NOT MACHINED, EXCEPT FOR FLANGE.												
		9.1445 - PIN, PROPELLER DRIVE SHAFT COUPLING												
	5170920	PIN (WITH 5171130)								1				
	5170923	PIN (WITH 5186176) (9.2712)									1	1		
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL												
2D	5126129	+ PUMP ASSY. (CAPITAL GEAR INC., #EC9693)			1									
2D	5112419	* PUMP ASSY. (EATON) (PAGE A1)								1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 362	363	364	365	366	367	368	386	393	441	512	513
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL (CONT'D)												
	5193576	GEAR DRIVE (5.6320)						1						
	5153449 @	PLATE (DISC) (1.7630)			1									
	3292492	COUPLING (1.7635)			1									
	5177026	SPACER (1.7630)			1									
	5157244 *	BOLT, 3/8"-16X1 3/4" (4.4190)								2	2	2	2	2
	5176474	BOLT, 3/8"-24X1 1/8" (1.7630)			1									
	103321	LOCKWASHER, 3/8" (12.9200)								AR	AR	AR	AR	AR
		+ NOT SERVICED BY DDAD; FOR REPLACEMENT PARTS CONTACT THE CAPITAL GEAR INC., ST. PAUL 5, MINN. FURNISH THEIR ASSY. PART NUMBER SHOWN IN PARENTHESES.												
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		@ NOT SERVICED; USE 5131627 PLUS 1-5143616 COUPLING.												
		9.1477 - ADAPTOR, HYDRAULIC MARINE GEAR OIL PUMP												
	5123950 *	ADAPTOR								1	1	1	1	1
	5124093 *	STUD, 3/8"-24X5.78"								2	2	2	2	2
	186658 *	BOLT, 3/8"-24X5 1/2" (12.9001)								2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)								AR	AR	AR	AR	AR
	117049 *	NUT, 3/8"-24 HEX. (12.9120)								2	2	2	2	2
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		9.1478 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP ADAPTOR												
	5122227	GASKET								1	1	1	1	1
		9.1480 - GASKET, MARINE GEAR OIL PUMP PUMP												
2A	5150057 *	GASKET (1.5060)								1	1	1	1	1
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		9.1540 - HUB, HYDRAULIC PUMP DRIVE												
2A	5171922 *	HUB								2	2	2	2	2
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 362	363	364	365	366	367	368	386	393	441	512	513
		9.1540 - HUB, HYDRAULIC PUMP DRIVE (CONT'D)												
		9.1000A TYPE 797 HYDRECO PUMP.												
		9.1545 - RING, HYDRAULIC PUMP COUPLING												
2A	**5160408**	* RING (12.4055)								1	1	1	1	1
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		9.1550 - RETAINER, PUMP COUPLING												
2A	**2070610**	* RING (12.4060)								1	1	1	1	1
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		9.1625 - SLEEVE, REVERSE GEAR OIL DRAIN												
	5176284	SLEEVE											1	1
		9.1630 - SEAL, REVERSE GEAR OIL DRAIN SLEEVE												
	5150649	SEAL											1	1
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR)												
		SEE ASSEMBLY BREAKDOWN PAGE D1.												
	NPN	STRAINER ASSY. (PART OF GEAR ASSY.)					1	1						
2D,3B	**5112512**	STRAINER ASSY. (IN LINE TYPE)								1	1	1	1	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)					1	1						
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)					1	1						
	120393	WASHER, 5/16" FLAT (12.9190)					2	2						
	103320	LOCKWASHER, 5/16" (12.9200)					2	2						
	120376	NUT, 5/16"-18 HEX. (12.9120)					2	2						
		9.1710 - BRACKET, OIL STRAINER MOUNTING												
	5125420	BRACKET					1	1						
	3290822	SPACER (1/2"I.D.X1/4" THICK) (2.9320)					1	1						
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)					1	1						

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 362	363	364	365	366	367	368	386	393	441	512	513
		9.1775 - TUBE, OIL PRESSURE GAGE												
3A	**5118781**	* HOSE, FLEX. (3/16"I.D.X11 3/16"L.) (7.4070)	1	1	1	1	1	1	1	1	1	1	1	1
	5131604	@ HOSE, FLEX (1/2"I.D.X15 21/32"L.)	1	1	1	1	1	1	1					
	1508350	FITTING, 1/8" RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)			1	1	1	1	1	1	1	1	1	1
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)	1	1	1	1			1					
	118748	@ CONNECTOR, 1/4" TUBE (12.9380)	1	1	1	1	1	1	1					
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		@ EFFECTIVE WITH 12VA-10446, 16VA-2288, EXCEPT 16VA-2310 AND 2312.												
		9.1778 - FILTER ASSY., OIL												
		SEE ASSEMBLY BREAKDOWN PAGE 81.												
2D	**5129129**	* FILTER ASSY. (4.2240)							1	1	1	1	1	
	5575213	+ DECAL (4.2280)							1	1	1	1	1	
	186619	* BOLT, 3/8"-16X1 1/8" (12.9001)							4	4	4	4	4	
	103321	* LOCKWASHER, 3/8" (12.9200)							4	4	4	4	4	
		* EFFECTIVE WITH 6VA-067, 8VA-280.												
		+ OBSOLETE.												
		9.1793 - BRACKET, OIL FILTER MOUNTING												
2D	**5122379**	BRACKET (M & MH GEAR)							1	1	1	1	1	
2D	**5128606**	# BRACKET (M AND MH GEAR)							1	1	1	1	1	
	179844	* BOLT, 3/8"-16X1 5/8" (12.9001)							3	3	3	3	3	
	428211	# BOLT, 5/8"-11X1 1/4" (12.9001)							2	2	2	2	2	
	103325	# LOCKWASHER, 5/8" (12.9200)							2	2	2	2	2	
		# EFFECTIVE WITH 6VA-1629, 8VA-476.												
		* THRU 6VA-1628, 8VA-475.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 515	527	533	534	535	570	603	604	607	608	622
		9.1001 - GEAR ASSY., HYDRAULIC MARINE											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW. A GEAR ASSY. DOES NOT INCLUDE FLYWHEEL FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING.											
1A	**6770016**	GEAR ASSY. (2:1 M, R.H.) (PAGE C15)	1										
10B	**5109401**	* GEAR ASSY. (5:1 MG 512, R.H.) (TWIN DISC #29326)		1									
10B	**5130660**	* GEAR ASSY. (4.5:1 MG 514, R.H.) (TWIN DISC #29849)			1								
10B	**5129417**	* GEAR ASSY. (1.5:1 MG 512, L.H.) (TWIN DISC #28721)				1							
10B	**5133629**	* GEAR ASSY. (1.5:1 MG 512, L.H.) (TWIN DISC #30889)				1							
10B	**5129416**	* GEAR ASSY. (1.5:1 MG 512, R.H.) (TWIN DISC #28720)					1						
10B	**5133630**	@ GEAR ASSY. (1.5:1 MG 512, R.H.) (TWIN DISC #30556)					1						
	5129856	? GEAR ASSY. (4.11:1) (SNOW NABSTEDT #3963-413)						1					
	5130399	? GEAR ASSY. (5:1) (SNOW NABSTEDT #3964-503)							1				
10B	**5130661**	* GEAR ASSY. (4.5:1 MG 514, L.H.) (TWIN DISC #29850)								1			
	5130396	? GEAR ASSY. (2.17:1 R.H.) (SNOW NABSTEDT #3964-223)									1		
	5130397	? GEAR ASSY. (3.07:1 R.H.) (SNOW NABSTEDT #3964-313)										1	
10B	**5109404**	* GEAR ASSY. (6:1 MG 514, L.H.) (TWIN DISC #29329)											1
	6832907	PLATE, NAME	1										
	5170507	DECAL, ROTATION DIRECTION (ARROW)	1	1	1	1	1			1			1
	219359	NIPPLE, 1 1/4"X3" (12.9560)									1		
	137971	ELBOW, 1/4" PIPE 90 DEG. (12.9600)									1		
	192413	SCREW, #4X1/4" DRIVE (12.9067)	4										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						12	12		12	12	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	12										
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)									2	2	
	106337	BOLT, 7/16"-14X1 3/8" (12.9001)		11	11	11	11			11	10	10	11
	180148	BOLT, 7/16"-14X1 3/8" (12.9001)						12	12				
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)		8	8	8	8			8			8
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)							2			2	
	103345	WASHER, 5/8" FLAT (12.9190)							2			2	
	103321	LOCKWASHER, 3/8" (12.9200)						AR	AR		AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)		AR	AR	AR	AR			AR			AR

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 515	527	533	534	535	570	603	604	607	608	622
		9.1001 - GEAR ASSY., HYDRAULIC MARINE (CONT'D)											
		* NOT SERVICED BY DDA. PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.											
		@ OBSOLETE.											
		? FOR REPLACEMENT PARTS CONTACT SNOW NABSTEDT GEAR CORP., NEW HAVEN, CONNECTICUT. FURNISH THEIR ASSY. PART NUMBER SHOWN IN PARENTHESES.											
		+ NOT SERVICED, REPLACE WITH TYPE 735.											
		9.1015 - GASKET, REVERSE GEAR HOUSING											
	5170683	GASKET	1										
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL											
		A KIT CONSISTS OF ITEMS IN 9.1015, 9.1035, 9.1140, 9.1230, 9.1280, 9.1370, 9.1390.											
	5193753	KIT, GASKET	AR										
		9.1086 - REPAIR KIT, PLANETARY GEAR ASSY.											
		A REPAIR KIT INCLUDES ITEMS IN 9.1083 AND 9.1084.											
	5194835	REPAIR KIT	AR										
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR											
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215, 9.1220											

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 515	527	533	534	535	570	603	604	607	608	622
	9.1200	**- FLYWHEEL ASSY., REVERSE GEAR (CONT'D)**											
		AND 9.1265, THRU 9.1280.											
1A	**5176183**	* FLYWHEEL ASSY. (1.4001)	1										
1A	**5192498**	# * FLYWHEEL ASSY. (1.4001)	1										
1A	**5119849**	@ FLYWHEEL ASSY.	1										
	5150130	@ PLUG (VERTICAL OIL PASSAGE) (1.1001)	1										
1A	**5171410**	PLUG (7/32"L.) (HORIZONTAL OIL PASSAGE)	1										
	5174541	PLUG (29/32"L.) (VERTICAL OIL PASSAGE)	1										
	141236	@ PIN (PLUG) (HORIZONTAL OIL PASSAGE) (12.9290)	1										
	9411631	BOLT, LOCK (12.9001)	6										
		* THRU 6VA-12123, 8VA-3458. NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE 5119849 FLYWHEEL ASSY.											
		# INCLUDES FLYWHEEL ASSY. 5176183 PLUS ITEMS IN 9.1225 AND 9.1230.											
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.											
	9.1203	**- FLYWHEEL AND FORWARD CLUTCH KIT**											
		INCLUDES 5119849 FLYWHEEL AND PISTON ASSY. PLUS LOCK BOLTS IN 9.1200 AND ITEMS IN 9.1211, 9.1235, 9.1237 AND 9.1240.											
	5196134	* KIT	1										
		* THRU 6VA-12123, 8VA-3458.											
	9.1205	**- GEAR, REVERSE GEAR FLYWHEEL RING**											
1A,B	**5188030**	GEAR (1.4010)	1										
	9.1207	**- SEAL, FLYWHEEL OIL**											
1A,B	**5173384**	SEAL	1										
1A,B	**9413380**	RING, SNAP	1										
	9.1210	**- BEARING, FLYWHEEL PILOT**											
1A,B	**907084**	BEARING (N.D. Z99507L1C) (1.4040)	1										

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 515	527	533	534	535	570	603	604	607	608	622
		9.1211 - RETAINER, PILOT BEARING											
1A,B	**5173434**	* RETAINER	1										
1A,B	**5120753**	@ RETAINER (1.4045)	1										
		* THRU 6VA-12123, 8VA-3458.											
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.											
		9.1215 - PIN, FORWARD CLUTCH											
1A,B	**5130672**	* PIN (9.1025)	3										
1A,B	**5120017**	@ PIN	3										
		* THRU 6VA-12123, 8VA-3458.											
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.											
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY RELEASE											
1A	**5171411**	* BOLT	6										
1A	**5189539**	@ BOLT (1/2"-13X1.38")	3										
	123550	@ NUT, 1/2"-13 HEX. (12.9120)	3										
		* THRU 6VA-12123, 8VA-3458.											
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.											
		9.1225 - PISTON, FORWARD CLUTCH											
1A	**5171420**	* PISTON	1										
1A	**5189542**	@ PISTON	1										
		* THRU 6VA-12123, 8VA-3458.											
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.											
		9.1230 - SEAL, FORWARD CLUTCH											
		A SEAL KIT CONSISTS OF ONE INNER SEAL AND EXPANDER AND ONE OUTER SEAL AND EXPANDER WHICH ARE NOT SOLD SEPARATELY.											
1A,B	**5192288**	SEAL KIT (ALLISON GEAR)	1										
		9.1235 - PLATE, FORWARD CLUTCH DISC											
		A PLATE ASSY. INCLUDES SPRING IN 9.1237.											
1A,B	**5182509**	PLATE ASSY.	1										

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 515	527	533	534	535	570	603	604	607	608	622
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE											
	2007110	SPRING (8.1037)	12										
		9.1240 - SPRING, FORWARD CLUTCH RELEASE											
1A,B	**6701093**	SPRING (9.1055)	16										
1A	**5171419**	PLATE (M GEAR)	1										
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	16										
	103321	LOCKWASHER, 3/8" (12.9200)	16										
		9.1265 - VALVE, FORWARD CLUTCH DUMP											
1A	**5171416** *	VALVE (PISTON, GROOVED)	1										
1A	**5119848** @	VALVE (PISTON, PLAIN)	1										
		* THRU 6VA-12123, 8VA-3458.											
		@ EFFECTIVE WITH 6VA-12124 8VA-3459.											
		9.1270 - SPRING, FORWARD CLUTCH DUMP VALVE											
1A	**5171417** *	SPRING	1										
1A	**5156815** @	SPRING (4.1690)	1										
		* THRU 6VA-12123, 8VA-3458.											
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.											
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING											
1B	**5171414** *	COVER	1										
	5119824 @	PLUG (7/8")	1										
1B	**9409220** *	BOLT, 1/4"-20X3/4" (12.9001)	2										
		* THRU 6VA-12123, 8VA-3458.											
		@ EFFECTIVE WITH 6VA-12124, 8VA-3459.											
		9.1280 - GASKET, FORWARD CLUTCH DUMP VALVE SPRING COVER											
	5171415 *	GASKET	1										
		* THRU 6VA-12123, 8VA-3458.											
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT											
		A COUPLING ASSY. INCLUDES BOLTS, NUTS, AND LOCKWASHER IN 9.1440 AND 9.1445.											

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5115	5127	5133	5134	5135	5170	6033	6044	6067	6088	6222
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D)											
	5170849	* COUPLING	1										
	5136144	COUPLING (8"L.)		1	1	1	1			1			1
	5124424	COUPLING (9"L.)									1	1	
	5124193	COUPLING (9"L.)						1	1				
	5171130	COUPLING ASSY. (5"L.)	1										
	223784	BOLT, 1"-14X2 3/4" (12.9001)		8	8	8	8			8			8
	103325	LOCKWASHER, 5/8" (12.9200)	6										
	103326	LOCKWASHER, 3/4" (12.9200)	AR										
	121326	LOCKWASHER, 1" (12.9200)		8	8	8	8			8			8
	117054	NUT, 3/8"-16 HEX. (12.9120)	AR										
	103030	NUT, 5/8"-18 HEX. (12.9120)	6										
	216353	NUT, 1"-14 HEX. (12.9120)		8	8	8	8			8			8
		9.1445 - PIN, PROPELLER DRIVE SHAFT COUPLING											
	5170920	PIN (WITH 5171130)	1										
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL											
2D	5112419	* PUMP ASSY. (EATON) (PAGE A1)	1										
	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)	2										
	103321	LOCKWASHER, 3/8" (12.9200)	AR										
		* THRU 6VA-50621, 8VA-11196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.											
		9.1477 - ADAPTOR, HYDRAULIC MARINE GEAR OIL PUMP											
	5123950	* ADAPTOR	1										
	5124093	* STUD, 3/8"-24X5.78"	2										
	186658	* BOLT, 3/8"-24X5 1/2" (12.9001)	2										
	103321	LOCKWASHER, 3/8" (12.9200)	AR										
	117049	* NUT, 3/8"-24 HEX. (12.9120)	2										
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.											
		9.1478 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP ADAPTOR											
	5122227	GASKET	1										

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 515	527	533	534	535	570	603	604	607	608	622
		9.1480 - GASKET, MARINE GEAR OIL PUMP											
2A	**5150057**	* GASKET (1.5060)	1										
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.											
		9.1540 - HUB, HYDRAULIC PUMP DRIVE											
2A	**5171922**	* HUB	2										
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.											
		9.1545 - RING, HYDRAULIC PUMP COUPLING											
2A	**5160408**	* RING (12.4055)	1										
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.											
		9.1550 - RETAINER, PUMP COUPLING											
2A	**2070610**	* RING (12.4060)	1										
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.											
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR)											
		SEE ASSEMBLY BREAKDOWN PAGE D1.											
2D,3B	**5112512**	STRAINER ASSY. (IN LINE TYPE)	1										
		9.1775 - TUBE, OIL PRESSURE GAGE											
3A	**5118781**	* HOSE, FLEX. (3/16"I.D.X11 3/16"L.) (7.4070)	1	1	1	1	1			1			1
3A	**2289944**	HOSE, FLEX. (3/16"I.D.X11 3/16"L.) (7.4074)						1	1		1	1	
	5131604	@ HOSE, FLEX. (1/2"I.D.X15 21/32"L.)		1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1	1
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1										
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)						1	1		1	1	
	140798	# ELBOW, 3/4" STREET 45 DEG. (12.9590)						1	1		1	1	

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 515	527	533	534	535	570	603	604	607	608	622
		9.1775 - TUBE, OIL PRESSURE GAGE (CONT'D)											
	112877	BUSHING, 1/8"X1/4" RED. PIPE (12.9570)	1	1			1	1	1		1	1	1
	144050	BUSHING, 1/2"X1/8" RED. (12.9570)			1	1				1			1
	118748	@ CONNECTOR, 1/4" TUBE (12.9380)		1	1	1	1	1	1	1	1	1	1

* THRU 12VA-10445, 16VA-2287.
@ EFFECTIVE WITH 12VA-10446, 16VA-2288, EXCEPT 16VA-2310 AND 2312
# FOR HEAT EXCHANGER COOLED MODELS ONLY.

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6234	6244	6255	6266	6336	6337	6443	6446	6552	6553	6555	6733
	9.1001	**- GEAR ASSY., HYDRAULIC MARINE**												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW. A GEAR ASSY. DOES NOT INCLUDE FLYWHEEL FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING. MG. GEARS INCLUDE ABOVE ITEMS.												
10B	**5148117**	* GEAR ASSY. (6:1 MG 514, R.H.) (TWIN DISC #29328)	1											
10B	**5148111**	* GEAR ASSY. (4.13:1 MG 514 R.H.) (TWIN DISC #29324)		1										
10B	**5148112**	* GEAR ASSY. (4.13:1 MG 514 L.H.) (TWIN DISC #29325)			1									
10B	**5148115**	* GEAR ASSY. (5.16:1 MG 514 R.H.) (TWIN DISC #29326)				1								
	6753252	GEAR ASSY. (DIRECT DRIVE) (PAGE C13)					1							
1B,10A	**6759702**	GEAR ASSY. (2.5:1 MH.,R.H.) (PAGE C7)						1						
10B	**5109402**	* GEAR ASSY. (5.16:1 MG 514 L.H.) (TWIN DISC #29327)							1					
10B	**5132059**	* GEAR ASSY. (3:1 MG 514 R.H.) (TWIN DISC #30172)								1				
	6775903	GEAR ASSY. (DIRECT DRIVE) PAGE C13)									1	1		
	5132274	? GEAR ASSY. (1.021:1 STEP-UP L.H.) (CAPITAL GEAR INC., NO. HPG 9400-G-L											1	
	5133311	? GEAR ASSY. (DIRECT DRIVE) (CAPITAL GEAR INC., NO. HPG 200-GM)												1
	6700520	PLATE, NAME					1	1			1	1		
	192413	SCREW, #4X1/4" DRIVE (12.9067)					1	1			1	1		
	112824	BOLT, 1/2"-13X1 3/4" (12.9010)											8	8
	5170507	DECAL, ROTATION DIRECTION (ARROW)	1	1	1	1		1	1	1			1	1
	444687	PLUG, 1/8" PIPE (12.9550)						1						
	5146646	PLUG, 1 1/4" PIPE (12.9550)											2	2
	5157571	STUD, 7/16"-14X3 1/4"											4	4
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					12	12			12	12		
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	11	11	11	11			11	11				
	433859	BOLT, 7/16"-14X2 3/8" (12.9001)											8	8
	442733	BOLT, 1/2"-13X1 1/8" (12.9001)	8	8	8	8			8	8			8	8
	103321	LOCKWASHER, 3/8" (12.9200)					12	12			12	12		
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR			AR	AR			AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR			AR	AR			AR	AR
	117050	NUT, 7/16"-20 HEX. (12.9120)											4	4
		* NOT SERVICED BY DDA PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 623	624	625	626	636	637	643	646	652	653	655	673
		9.1015 - GASKET, REVERSE GEAR HOUSING												
	5170683	GASKET					1	1			1	1		
		9.1017 - KIT, HYDRAULIC MARINE GEAR OVERHAUL GASKET												
		A KIT CONSISTS OF ITEMS IN 9.1015, 9.1035, 9.1140, 9.1230, 9.1370 AND 9.1390.												
	5193753	KIT, GASKET						AR						
		9.1035 - SEAL, REVERSE CLUTCH PISTON												
		A KIT CONSISTS OF ONE EACH LARGE SEAL AND EXPANDER AND ONE EACH SMALL SEAL AND EXPANDER, NOT SOLD SEPARATELY.												
1A,B	**5192289**	SEAL KIT						1						
		9.1086 - REPAIR KIT, PLANETARY GEAR ASSY.												
		A REPAIR KIT INCLUDES ITEMS IN 9.1083 AND 9.1084.												
	5194835	REPAIR KIT						AR						

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6223	6224	6225	6226	6336	6337	6443	6446	6552	6553	6555	6773
		9.1154 - TUBE, SELECTOR VALVE INLET												
	5118781	HOSE (11.18"L.) (5.1003)											1	
	5183079	CONNECTOR, 1" FL. TUBE (12.9380)											1	
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)											1	
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)											1	
	1508350	FITTING, 1/8" (.025 REST) (7.4074)											1	
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR												
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215, 9.1220 AND 9.1265 THRU 9.1275.												
1A	5119849	FLYWHEEL ASSY.					1	1			1	1		
	5150130	PLUG (VERTICAL OIL PASSAGE) (1.1001)					1	1			1	1		
	141236	PIN (PLUG) (HORIZONTAL OIL PASSAGE) (12.9290)					1	1			1	1		
	9411631	BOLT, LOCK (12.9001)					6	6			6	6		
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING												
1A,B	5188030	GEAR (1.4010)					1	1			1	1		
		9.1207 - SEAL, FLYWHEEL OIL												
1A,B	5173384	SEAL					1	1			1	1		
1A,B	9413380	RING, SNAP					1	1			1	1		
		9.1210 - BEARING, FLYWHEEL PILOT												
1A,B	907084	BEARING (N.D. Z99507L1C) (8.1450)					1	1			1	1		
		9.1211 - RETAINER, PILOT BEARING												
1A,B	5120753	RETAINER (1.4045)					1	1						
		9.1215 - PIN, FORWARD CLUTCH												
1A,B	5120017	PIN (9.1025)					3	3			3	3		
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY RELEASE												
1A	5189539	BOLT (1/2"-13X1.38")					3	3			3	3		
	123550	NUT, 1/2"-13 HEX. (12.9120)					3	3			3	3		

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 623	624	625	626	636	637	643	646	652	653	655	673
		9.1225 - PISTON, FORWARD CLUTCH												
1A	5189542	PISTON					1	1			1	1		
		9.1230 - SEAL, FORWARD CLUTCH PISTON												
		A SEAL KIT CONSISTS OF ONE INNER SEAL AND EXPANDER AND ONE OUTER SEAL AND EXPANDER WHICH ARE NOT SOLD SEPARATELY.												
1A,B	5192288	SEAL KIT (ALLISON GEAR)					1	1			1	1		
		9.1235 - PLATE, FORWARD CLUTCH DISC												
		A PLATE ASSY. INCLUDES SPRING IN 9.1237.												
1A,B	5101603	PLATE ASSY.					1	1			1	1		
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE												
	2007110	SPRING (8.1037)					12	12			12	12		
		9.1240 - SPRING, FORWARD CLUTCH RELEASE												
1A,B	6701093	SPRING (9.1055)					16	16			16	16		
		9.1245 - PLATE, FORWARD CLUTCH REACTION												
1A	5171419	PLATE (M GEAR)					1				1	1		
1A	5182407	PLATE (MH GEAR)						1						
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)					16	16			16	16		
	103321	LOCKWASHER, 3/8" (12.9200)					16	16			16	16		
		9.1265 - VALVE, FORWARD CLUTCH DUMP												
1A	5119848	VALVE					1	1			1	1		
		9.1270 - SPRING, FORWARD CLUTCH DUMP VALVE												
1A	5156815	SPRING					1	1			1	1		

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6231	6234	6251	6261	6336	6337	6433	6461	6521	6533	6555	6673
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING												
	5119824	PLUG (7/8")					1	1			1	1		
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		A COUPLING ASSY. INCLUDES BOLTS, NUTS, LOCKWASHER AND PIN IN 9.1440 AND 9.1445.												
	5136144	COUPLING	1	1	1	1			1	1				
	5132154	COUPLING											1	
	5186176	COUPLING ASSY. (6 1/2"L.) (9.3445)					1	1			1	1		
	271637	BOLT, 3/8"-16X2 3/4" (12.9001)					8	8			8	8		
	223747	BOLT, 5/8"-18X4 1/4" (12.9001)											8	
	273037	BOLT, 7/8"-14X5 1/4" (12.9001)					2	2			2	2		
	223784	BOLT, 1"-14X2 3/4" (12.9001)	8	8	8	8			8	8				
	103325	LOCKWASHER, 5/8" (12.9200)											8	
	103326	LOCKWASHER, 3/4" (12.9200)					AR	AR			AR	AR		
	103327	LOCKWASHER, 7/8" (12.9200)					2	2			2	2		
	121326	LOCKWASHER, 1" (12.9200)	8	8	8	8			8	8				
	103030	NUT, 5/8"-18 HEX. (12.9120)	8	8	8	8			8	8			8	
	117054	NUT, 3/4"-16 HEX. (12.9120)					AR	AR			AR	AR		
	218200	NUT, 7/8"-14 HEX. (12.9120)					2	2			2	2		
		9.1445 - PIN, PROPELLER DRIVE SHAFT COUPLING												
	5170923	PIN					1	1			1	1		
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL												
		SEE ASSEMBLY BREAKDOWN AS INDICATED.												
2D	5112419	* PUMP ASSY. (EATON) (PAGE A1)					1	1			1	1		
1C	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)					2	2			2	2		
1C	103321	LOCKWASHER, 3/8" (12.9200)					2	2			2	2		
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A, TYPE 797 HYDRECO PUMP.												
		9.1477 - ADAPTOR, HYDRAULIC MARINE GEAR OIL PUMP												
	5123950	* ADAPTOR					1	1			1	1		
	5124093	* STUD (3/8"-24X5.78")					2	2			2	2		
	186658	* BOLT, 3/8"-24X5 1/2" (12.9001)					2	2			2	2		

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 623	624	625	626	636	637	643	646	652	653	655	673
		9.1477 - ADAPTOR, HYDRAULIC MARINE GEAR OIL PUMP(CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)					6	6			6	6		
	117049	* NUT, 3/8"-24 HEX. (12.9120)					2	2			2	2		
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A, TYPE 797 HYDRECO PUMP.												
		9.1478 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP ADAPTOR												
	5122227	GASKET					1	1			1	1		
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP												
1C	5150057	* GASKET (1.5060)					1	1			1	1		
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A, TYPE 797 HYDRECO PUMP.												
		9.1540 - HUB, HYDRAULIC PUMP DRIVE												
1C	5171922	* HUB					2	2			2	2		
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A, TYPE 797 HYDRECO PUMP.												
		9.1545 - RING, HYDRAULIC PUMP COUPLING												
1C	5160408	* RING (12.4055)					1	1			1	1		
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A, TYPE 797 HYDRECO PUMP.												
		9.1550 - RETAINER, HYDRAULIC PUMP COUPLING												
1C	2070610	* RING (12.4060)					1	1			1	1		
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A, TYPE 797 HYDRECO PUMP.												
		9.1595 - TUBE, REVERSE GEAR OIL OUTLET												
	5133993	@ ADAPTOR, 90 DEG. PIPE									1			
	5133992	ADAPTOR, 90 DEG. PIPE										1		
	179816	BOLT, 5/16"-18X3/4" (12.9001)									2	2		

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 623	624	625	626	636	637	643	646	652	653	655	673
		9.1595 - TUBE, REVERSE GEAR OIL OUTLET (CONT'D)												
	103320	LOCKWASHER, 5/16" (12.9200) ..... @ NO LONGER AVAILABLE FOR SERVICE.									2	2		
		9.1600 - GASKET, REVERSE GEAR OIL OUTLET TUBE												
	5163299	GASKET									1	1		
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR)												
		SEE ASSEMBLY BREAKDOWN PAGE D1.												
2D	5112512	STRAINER ASSY. (IN-LINE) ..... # FIG. 10D OF 5.0000.					1	1			1	1		
		9.1720 - TUBE, HYDRAULIC MARINE GEAR OIL STRAINER TO PUMP												
2D	5125788	TUBE ASSY. (FLEX.)					1	1						
2D	5183079	CONNECTOR, 1 5/16"X1" PIPE TAP					1	1						
2D	108687	ELBOW, 1" STREET 90 DEG. (12.9590)					1	1						
		9.1730 - TUBE, MARINE GEAR TO OIL STRAINER												
	5185772	FLANGE					1				1	1		
	5173762	GASKET (1.5118)					1				1	1		
	5123240	GASKET (4.1300)					1				1	1		
	5114557	+ COVER (1.5117)					1				1	1		
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)					1				1	1		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					4				4	4		
	103321	LOCKWASHER, 3/8" (12.9200) ..... + NOT SERVICED; USE 5120383, 5142549.					4				4	4		
		9.1775 - TUBE, OIL PRESSURE GAGE												
10A	5118781	* TUBE ASSY. (11 3/16"L., 3/16"I.D. FLEX.) (5.1003)	1	1	1	1	1	1	1	1	1	1		1
	5131604	@ HOSE, FLEX. (15 21/32"L., 1/2"I.D.) (12.4065)	1	1	1	1			1	1				1
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)					1	1			1	1		
	116453	ELBOW, 1/4" TUBE 90 DEG. (12.9480)												1
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1		1
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)				1								

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 623	624	625	626	636	637	643	646	652	653	655	673
		9.1775 - TUBE, OIL PRESSURE GAGE (CONT'D)												
	144050	BUSHING, 1/2"X1/8" RED. (12.9570)	1	1	1				1	1				
	118748	@ CONNECTOR, 1/4" TUBE (12.9380)	1	1	1	1			1	1				
	5183079	CONNECTOR, 1 5/16"X1" PIPE TAP (9.1720)												1
		* THRU 12VA-10445, 16VA-2287.												
		@ EFFECTIVE WITH 12VA-10446, 16VA-2288 EXCEPT 16VA-2310 AND 2312.												
		9.1778 - FILTER ASSY., OIL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
2D	5129129	FILTER ASSY. (4.2240)					1	1						
	5575213	+ DECAL (4.2280)					1	1						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					4	4						
	103321	LOCKWASHER, 3/8" (12.9200)					4	4						
		+ OBSOLETE.												
		9.1793 - BRACKET, OIL FILTER MOUNTING												
2D	5128606	BRACKET (M AND MH TYPE GEAR)					1	1						
	428211	BOLT, 5/8"-11X1 1/4" (12.9001)					1	1						
	103325	LOCKWASHER, 5/8" (12.9200)					2	2						

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	692	704	706	707	711	712	719	723	724	727
		9.1001 - GEAR ASSY., HYDRAULIC MARINE											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW. A GEAR ASSY. DOES NOT INCLUDE FLYWHEEL FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING. MG GEARS INCLUDE ABOVE ITEMS.											
	6775903	GEAR ASSY. (DIRECT DRIVE) (PAGE C13)		1									
10B	**5148118**	* GEAR ASSY. (3:1 MG 514 L.H.) (TWIN DISC #31016)	1										
10B	**5145094**	* GEAR ASSY. (3.03:1 MG 521 L.H.) (TWIN DISC #31346)			1								
10B	**5145659**	* GEAR ASSY. (4.08:1 MG 521 R.H.) (TWIN DISC #31283)				1							
10B	**5145093**	* GEAR ASSY. (3.34:1 MG 521 R.H.) (TWIN DISC #31281)					1						
10B	**5145657**	* GEAR ASSY. (2.19:1 MG 521 R.H.) (TWIN DISC #31280)						1					
10B	**5145658**	* GEAR ASSY. (2.19:1 MG 521 L.H.) (TWIN DISC #31345)							1				
10B	**5145660**	* GEAR ASSY. (4.08:1 MG 521 L.H.) (TWIN DISC #31348)								1			
10B	**5136528**	* GEAR ASSY. (5.17:1 MG 527 R.H.) (TWIN DISC #31360)									1		
10B	**5136744**	* GEAR ASSY. (5.17:1 MG 527 L.H.) (TWIN DISC #31361)										1	
1B,10A	**6759693**	GEAR ASSY. (2:1 M.H., R.H., PAGE C1)											1
	5170507	DECAL, ROTATION DIRECTION (ARROW)			1	1	1	1	1	1	1	1	1
	444687	PLUG, 1/8" PIPE (12.9550)											1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		12									12
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)									13		
	179888	BOLT, 1/2"-13X1 7/8" (12.9001)			15	15	15	15	15	15		15	
	271563	BOLT, 5/8"-11X2 1/4" (DRIVE RING TO FLYWHEEL)			6	6	6	6	6	6	6	6	
	103321	LOCKWASHER, 3/8" (12.9200)		12									12
	103325	LOCKWASHER, 5/8" (DRIVE RING TO FLYWHEEL)			6	6	6	6	6	6	6	6	
		* NOT SERVICED BY DDA PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.											
		9.1015 - GASKET, REVERSE GEAR HOUSING											
	5170683	GASKET		1									1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	892	704	706	707	711	712	719	723	724	727
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR											
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215, 9.1220 AND 9.1265 THRU 9.1275.											
1A	**5119849**	FLYWHEEL ASSY.		1									1
	5150130	PLUG (VERTICAL OIL PASSAGE) (1.1001)		1									1
	141236	PIN (PLUG) (HORIZONTAL OIL PASSAGE) (12.9290)		1									1
	9411631	BOLT, LOCK (12.9001)		6									6
	5173434	WASHER (9.1211)		1									
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING											
1A,B	**5188030**	GEAR (1.4010)		1									1
		9.1207 - SEAL, FLYWHEEL OIL											
1A,B	**5173384**	SEAL		1									1
1A,B	**9413380**	RING, SNAP		1									1
		9.1210 - BEARING, FLYWHEEL PILOT											
1A,B	**907084**	BEARING (N.D. Z99507L1C) (8.1450)		1									1
		9.1211 - RETAINER, PILOT BEARING											
1A,B	**5120753**	RETAINER (1.4045)											1
		9.1215 - PIN, FORWARD CLUTCH											
1A,B	**5120017**	PIN (9.1025)		3									3
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY RELEASE											
1A	**5189539**	BOLT (1/2"-13X1.38")		3									3
	123550	NUT, 1/2"-13 HEX. (12.9120)		3									3
		9.1225 - PISTON, FORWARD CLUTCH											
1A	**5189542**	PISTON		1									1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	692	704	706	707	711	712	719	723	724	727
		9.1230 - SEAL, FORWARD CLUTCH PISTON											
		A SEAL KIT CONSISTS OF ONE INNER SEAL AND EXPANDER AND ONE OUTER SEAL AND EXPANDER WHICH ARE NOT SOLD SEPARATELY.											
1A,B	**5192288**	SEAL KIT (ALLISON GEAR)		1									1
		9.1235 - PLATE, FORWARD CLUTCH DISC											
		A PLATE ASSY. INCLUDES SPRING IN 9.1237.											
1A,B	**5182509**	PLATE ASSY.		1									1
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE											
	2007110	SPRING (8.1037)		12									12
		9.1240 - SPRING, FORWARD CLUTCH RELEASE											
1A,B	**6701093**	SPRING (9.1055)		16									16
		9.1245 - PLATE, FORWARD CLUTCH REACTION											
1A	**5171419**	PLATE (M GEAR)		1									
1A	**5182407**	PLATE (MH GEAR)											1
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)		16									16
	103321	LOCKWASHER, 3/8" (12.9200)		16									16
		9.1265 - VALVE, FORWARD CLUTCH DUMP											
1A	**5119848**	VALVE		1									1
		9.1270 - SPRING, FORWARD CLUTCH DUMP VALVE											
1A	**5156815**	SPRING		1									1
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING											
	5119824	PLUG (7/8")		1									1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	692	704	706	707	711	712	719	723	724	727
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT											
		A COUPLING ASSY. INCLUDES BOLTS, NUTS, LOCKWASHER AND PIN IN 9.1440 AND 9.1445.											
	5136144	COUPLING	1	1									
	5186176	COUPLING ASSY. (6 1/2"L.) (9.3445)											1
	271637	BOLT, 3/8"-16X2 3/4" (12.9001)											8
	273037	BOLT, 7/8"-14X5 1/4" (12.9001)											2
	223784	BOLT, 1"-14X2 3/4" (12.9001)	8	8									
	103326	LOCKWASHER, 3/4" (12.9200)											AR
	103327	LOCKWASHER, 7/8" (12.9200)											2
	121326	LOCKWASHER, 1" (12.9200)	8	8									
	103030	NUT, 5/8"-18 HEX. (12.9120)	8	8									
	117054	NUT, 3/4"-16 HEX. (12.9120)											AR
	218200	NUT, 7/8"-14 HEX. (12.9120)											2
	216353	NUT, 1"-14 HEX. (12.9120)		8									
		9.1445 - PIN, PROPELLER DRIVE SHAFT COUPLING											
	5170923	PIN											1
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL											
		SEE ASSEMBLY BREAKDOWN AS INDICATED.											
2D	5112419	* PUMP ASSY. (EATON) (PAGE A1)		1									1
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)		2									2
	103321	LOCKWASHER, 3/8" (12.9200)		2									
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A, TYPE 797 HYDRECO PUMP.											
		9.1477 - ADAPTOR, HYDRAULIC MARINE GEAR OIL PUMP											
	5123950	* ADAPTOR		1									1
	5124093	* STUD (3/8"-24X5.78")		2									2
	186658	* BOLT, 3/8"-24X5 1/2" (12.9001)		2									2
	103321	LOCKWASHER, 3/8" (12.9200)		6									6
	117049	* NUT, 3/8"-24 HEX. (12.9120)		2									2
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A, TYPE 797 HYDRECO PUMP.											

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	692	704	706	707	711	712	719	723	724	727
		9.1478 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP ADAPTOR											
	5122227	GASKET		1									1
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP											
1C	5150057	* GASKET (1.5060) * THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A, TYPE 797 HYDRECO PUMP.		1									1
		9.1540 - HUB, HYDRAULIC PUMP DRIVE											
1C	5171922	* HUB * THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A, TYPE 797 HYDRECO PUMP.		2									2
		9.1545 - RING, HYDRAULIC PUMP COUPLING											
1C	5160408	* RING (12.4055) * THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A, TYPE 797 HYDRECO PUMP.		1									1
		9.1550 - RETAINER, HYDRAULIC PUMP COUPLING											
1C	2070610	* RING (12.4060) * THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A, TYPE 797 HYDRECO PUMP.		1									1
		9.1592 - TUBE, HYDRAULIC PUMP TO OIL FILTER											
2D	8921593	HOSE, FLEX (#16X14" L.)						1					
		9.1595 - TUBE, REVERSE GEAR OIL OUTLET											
2D	8921594	HOSE, FLEX (#12X42" L.)						1					
2D	8921595	HOSE, FLEX (#12X63" L.)						1					
	5133993	@ ADAPTOR, 90 DEG. PIPE		1									
	179816	BOLT, 5/16"-18X3/4" (12.9001)		2									
	103320	LOCKWASHER, 5/16" (12.9200)		2									
		@ OBSOLETE.											
		9.1600 - GASKET, REVERSE GEAR OIL OUTLET TUBE											
	5163299	GASKET		1									

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	692	704	706	707	711	712	719	723	724	727
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR)											
		SEE ASSEMBLY BREAKDOWN PAGE D1.											
2D	**5112512**	STRAINER ASSY. (IN-LINE)		1									1
		9.1730 - TUBE, MARINE GEAR TO OIL STRAINER											
	5185772	FLANGE		1									
	5173762	GASKET (1.5118)		1									
	5123240	GASKET (4.1300)		1									
	5114557	+ COVER (1.5117)		1									
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)		1									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		4									
	103321	LOCKWASHER, 3/8" (12.9200)		4									
		+ NOT SERVICED; USE 5120383, 5142549.											
		9.1775 - TUBE, OIL PRESSURE GAGE											
10A	**5118781**	* TUBE ASSY. (11 3/16"L., 3/16"I.D. FLEX.) (5.1003)		1	1	1	1	1	1	1	1	1	1
	5131604	@ HOSE, FLEX. (15 21/32"L., 1/2"I.D.) (12.4065)			1	1	1	1	1	1	1	1	1
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)		1									1
	1508350	FITTING, RESTRICTION (7.4074)		1	1	1	1	1	1	1	1	1	1
	112977	BUSHING, 1/4"X1/8" RED. (12.9570)										1	
	144050	BUSHING, 1/2"X1/8" RED. (12.9570)	1		1	1	1	1	1	1	1		
	118748	@ CONNECTOR, 1/4" TUBE (12.9380)	1		1	1	1	1	1	1	1	1	
		* THRU 12VA-10445, 16VA-2287.											
		@ EFFECTIVE WITH 12VA-10446, 16VA-2288 EXCEPT 16VA-2310 AND 2312.											

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 728	733	734	735	736	737	738	739	740	741	742	743
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.												
1B,10A	**6759694**	GEAR ASSY. (2:1 MH. L.H.) (PAGE C1)	1											
10B	**5141369**	* GEAR ASSY. (1.5:1 M.G. 512 R.H.) (TWIN DISC #32240)		1										
10B	**5148113**	* GEAR ASSY. (4.5:1 M.G. 514 R.H.) (TWIN DISC #32288)			1									
10B	**5148114**	* GEAR ASSY. (4.5:1 M.H. 514 L.H.) (TWIN DISC #32287)				1								
10B	**5141368**	* GEAR ASSY. (1.5:1 M.G. 512 L.H. TWIN DISC #32239)					1							
10B	**5148115**	* GEAR ASSY. (5.16:1 M.G. 514 R.H.) TWIN DISC #32291)						1						
1A	**6770012**	GEAR ASSY. (1.5:1 M. 15 L.) (PAGE C13)							1					
1A	**6770013**	GEAR ASSY. (1.5:1 M. 15 L.) (PAGE C13)								1				
10B	**5148110**	* GEAR ASSY. (3:1 M.G. 514 L.H.) TWIN DISC #32318)									1			
10B	**5148117**	* GEAR ASSY. (6:1 M.G. 514 R.H. TWIN DISC #32294)										1		
10B	**5141370**	@ GEAR ASSY. (2:1 M.G. 512 L.H.) TWIN DISC #32243)											1	
10B	**5141371**	@ GEAR ASSY. (2:1 M.G. 512 R.H.) TWIN DISC #32242)												1
	6700520	PLATE, NAME								1				
	192413	SCREW (12.9067)								4				
	5170507	DECAL	1	1	1	1	1	1	1	1	1	1	1	1
	444867	PLUG, 3/8" PIPE (12.9550)	1											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	12						12	12				
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)					12				12			
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)		11	11	11		11				11	11	11
	442733	BOLT, 1/2"-13X1 1/4" (DRIVE RING TO FLYWHEEL HOUSING)		8	8	8	8	8			8	8	8	8
	103321	LOCKWASHER, 3/8" (12.9200)	12						12	12				
	103322	LOCKWASHER, 7/16" (12.9200)		11	11	11	12	11			12	11	11	11
	103323	LOCKWASHER, 1/2" (DRIVE RING TO FLYWHEEL HOUSING) (12.9200)		8	8	8	8	8			8	8	8	8
		* NOT SERVICED BY DDA PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.												
		@ OBSOLETE												
		9.1015 - GASKET, REVERSE GEAR HOUSING												
	5170683	GASKET	1						1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 728	733	734	735	736	737	738	739	740	741	742	743
	9.1017	**- KIT, HYDRAULIC MARINE GEAR OVERHAUL GASKET**												
		A KIT CONSISTS OF ITEMS IN 9.1015, 9.1035, 9.1140, 9.1230, 9.1280, 9.1370 AND 9.1390.												
	5193753	KIT, GASKET								AR				
	9.1035	**- SEAL, REVERSE CLUTCH PISTON**												
		A KIT CONSISTS OF ONE EACH LARGE SEAL AND EXPANDER AND ONE EACH SMALL SEAL AND EXPANDER, NOT SOLD SEPARATELY.												
1A,B	**5192289**	SEAL KIT								1				
	9.1086	**- REPAIR KIT, PLANETARY GEAR ASSY.**												
		A REPAIR KIT INCLUDES ITEMS IN 9.1083 AND 9.1084.												
	5194835	REPAIR KIT								AR				
	9.1200	**- FLYWHEEL ASSY., REVERSE GEAR**												
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215, 9.1220 AND 9.1265 THRU 9.1275.												
1A	**5119849**	FLYWHEEL ASSY.	1					1	1	1				
	5150130	PLUG (VERTICAL OIL PASSAGE) (1.1001)	1					1	1	1				
	141236	PIN, (PLUG) (HORIZONTAL OIL PASSAGE)	1					1	1	1				
	9411631	BOLT, LOCK (12.9001)	6					6	6	6				
	9.1203	**- FLYWHEEL AND FORWARD CLUTCH KIT**												
		INCLUDES 5119849 FLYWHEEL AND PISTON ASSY. PLUS LOCK BOLTS IN 9.1200 AND ITEMS IN 9.1211, 9.1235, 9.1237 AND 9.1240.												
	5196134	KIT (DUMP VALVE TYPE)								1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 728	733	734	735	736	737	738	739	740	741	742	743
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING												
1A,B	**5188030**	GEAR (1.4010)	1						1	1				
		9.1207 - SEAL, FLYWHEEL OIL												
1A,B	**5173384**	SEAL	1						1	1				
1A,B	**9413380**	RING, SNAP	1						1	1				
		9.1210 - BEARING, FLYWHEEL PILOT												
1A,B	**907084**	BEARING (N.D. Z99507LIC) (8.1450)	1						1	1				
		9.1211 - RETAINER, PILOT BEARING												
1A,B	**5120753**	RETAINER (1.4045)	1						1	1				
		9.1215 - PIN, FORWARD CLUTCH												
1A,B	**5120017**	PIN	3						3	3				
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY RELEASE												
1A	**5189539**	BOLT (1/2"-13X1.38")	3						3	3				
	114505	NUT, 1/2"-13 HEX. (12.9120)	3						3	3				
		9.1225 - PISTON, FORWARD CLUTCH												
1A	**5189542**	PISTON	1						1	1				
		9.1230 - SEAL KIT, FORWARD CLUTCH PISTON												
		A SEAL KIT CONSISTS OF ONE INNER SEAL AND EXPANDER AND ONE OUTER SEAL AND EXPANDER WHICH ARE NOT SOLD SEPARATELY.												
1A,B	**5192288**	SEAL KIT (ALLISON GEAR)	1						1	1				
		9.1235 - PLATE, FORWARD CLUTCH DISC												
		A PLATE ASSY. INCLUDES SPRING IN 9.1237.												
1A,B	**5101603**	PLATE ASSY.	1						1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 728	733	734	735	736	737	738	739	740	741	742	743
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE												
	2007110	SPRING (8.1037)	12											
		9.1240 - SPRING, FORWARD CLUTCH RELEASE												
1A,B	6701093	SPRING (9.1055)	16						16	16				
		9.1245 - PLATE, FORWARD CLUTCH REACTION												
1A	5182407	PLATE (MH GEAR)	1											
	5171419	PLATE							1	1				
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	16						16	16				
	103321	LOCKWASHER, 3/8" (12.9200)	16						16	16				
		9.1265 - VALVE, FORWARD CLUTCH DUMP												
1A	5119848	VALVE	1						1	1				
		9.1270 - SPRING, FORWARD CLUTCH DUMP VALVE												
1A	5156815	SPRING	1						1	1				
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING												
	5119824	PLUG (7/8")	1						1	1				
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		A COUPLING ASSY. INCLUDES BOLTS, NUTS, LOCKWASHER AND PIN IN 9.1440 AND 9.1445.												
	5136144	COUPLING (8"L.)		1								1	1	
	5186176	COUPLING ASSY. (6 1/2"L.) (9.3445)	1											
	271637	BOLT, 3/4"-16X2 3/4" (12.9001)	8											
	273037	BOLT, 7/8"-14X5 1/4" (12.9001)	2											
	223784	BOLT, 1"-14X2 3/4" (12.9001)		8								8	8	
	103320	LOCKWASHER, 5/16" (12.9200)	8											
	103327	LOCKWASHER, 7/8" (12.9200)	2											
	121326	LOCKWASHER, 1" (12.9200)		8								8	8	
	117054	NUT, 3/4"-16 HEX. (12.9120)	8											
	218200	NUT, 7/8"-14 HEX. (12.9120)	2											
	216353	NUT, 1"-14 HEX. (12.9120)		8								8	8	

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 728	733	734	735	736	737	738	739	740	741	742	743
		9.1445 - PIN, PROPELLER DRIVE SHAFT COUPLING												
	5170923	PIN	1							1				
		9.1475 - PUMP ASSY., MARINE GEAR OIL												
2D	5112419	* PUMP ASSY. (EATON) (PAGE A1)	1						1	1				
	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)	2						2	2				
	103321	LOCKWASHER, 3/8" (12.9200)	2						2	2				
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		9.1477 - ADAPTOR, HYDRAULIC MARINE GEAR OIL PUMP												
	5123950	* ADAPTOR	1						1	1				
	5124093	* STUD, 3/8"-24X5.78"	2						2	2				
	186658	* BOLT, 3/8"-24X5 1/2" (12.9001)	2						2	2				
	103321	LOCKWASHER, 3/8" (12.9200)	AR						AR	AR				
	117049	* NUT, 3/8"-24 HEX. (12.9120)	2						2	2				
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		9.1478 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP ADAPTOR												
	5122227	GASKET	1						1	1				
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP												
1C	5150057	* GASKET (1.5060)	1						1	1				
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		9.1540 - HUB, HYDRAULIC PUMP DRIVE												
1C	5171922	* HUB	2						2	2				
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 728	733	734	735	736	737	738	739	740	741	742	743
		9.1545 - RING, HYDRAULIC PUMP COUPLING												
1C	5160408	* RING (12.4055)	1						1	1				
		* *THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.*												
		9.1550 - *RETAINER, HYDRAULIC PUMP COUPLING*												
1C	2070610	* RING (12.4060)	1						1	1				
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A *TYPE 797 HYDRECO PUMP.*												
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR)												
		SEE ASSEMBLY BREAKDOWN PAGE D1.												
2D,3B	5112512	STRAINER ASSY. (IN LINE TYPE)	1						1	1				
		9.1680 - *GASKET, OIL STRAINER COVER*												
	5112511	GASKET	1						1	1				
		9.1775 - *TUBE, OIL PRESSURE GAGE*												
0A	5131604	HOSE (1/2"I.D.X15 21/32"L.) (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)	1						1	1				
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)		1	1	1	1	1			1	1	1	1
	144050	BUSHING, 1/2"X1/8" RED. (12.9570)									1		1	
	118748	CONNECTOR, 1/4" TUBE (12.9380)		1	1	1	1	1			1	1	1	1
		9.1778 - *FILTER ASSY., OIL*												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
2D	5129129	FILTER ASSY. (4.2240)	1						1	1				
	5575213	+ DECAL (4.2280)	1						1	1				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4						4	4				
	103321	LOCKWASHER, 3/8" (12.9200)	4						4	4				
		+ OBSOLETE.												
		9.1793 - BRACKET, OIL FILTER MOUNTING												
	5122379	BRACKET	1						1	1				
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	3						3	3				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 744	745	747	748	749	750	751	752	753	754	755
		9.1001 - GEAR ASSY., HYDRAULIC MARINE											
10B	5148112	* GEAR ASSY. (4.13:1 MG514 L.H.) (TWIN DISC #32286)	1										
10B	5140977	* GEAR ASSY. (2.62:1 MG513 L.H.) (TWIN DISC #32204)		1									
10B	5148116	* GEAR ASSY. (5.16:1 MG514 L.H.) (TWIN DISC #32293)			1								
10B	5141373	* GEAR ASSY. (3:1 MG512 R.H.) (TWIN DISC #32252)				1							
10B	5141372	* GEAR ASSY. (3:1 MG512 L.H.) (TWIN DISC #32253)					1						
10B	5148111	* GEAR ASSY. (4.13:1 MG514 R.H.) (TWIN DISC #32285)						1					
10B	5148118	* GEAR ASSY. (6:1 MG514 L.H.) (TWIN DISC #32301)							1				
10B	5148109	* GEAR ASSY. (3:1 MG514 R.H.) (TWIN DISC #32317)								1			
10B	5145657	* GEAR ASSY. (2.194:1 MG521 R.H.) (TWIN DISC #33264)									1		
10B	5145093	* GEAR ASSY. (3.034:1 MG521 R.H.) (TWIN DISC #33265)										1	
10B	5141547	* GEAR ASSY. (4.087:1 MG521 R.H.) (TWIN DISC #32333)											1
	5170507	DECAL	1	1	1	1	1	1	1	1	1	1	1
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)			11			11	11	12			
	179888	BOLT, 1/2"-13X7/8" (12.9001)									15	15	15
	442733	BOLT, 1/2"-13X1 1/4" (DRIVE RING TO FLYWHEEL HOUSING)			8			8	8	8			
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)									6	6	6
	103322	LOCKWASHER, 7/16" (12.9200)			11			11	11	12			
	103323	LOCKWASHER, 1/2" (DRIVE RING TO FLYWHEEL HOUSING) (12.9200)			8			8	8	8	15	15	15
	103325	LOCKWASHER, 5/8" (12.9200)									6	6	6
		* NOT SERVICED BY DDA PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.											
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT											
		A COUPLING ASSY. INCLUDES BOLTS, NUTS, LOCKWASHER AND PIN IN 9.1440 AND 9.1445.											
	5136144	COUPLING (8"L.)				1	1			1			
	223784	BOLT, 1"-14 X 2 3/4" (12.9001)								8			
	121236	LOCKWASHER, 1" (12.9200)								8			
	216353	NUT, 1"-14 HEX. (12.9120)								8			

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 744	745	747	748	749	750	751	752	753	754	755			
		9.1775 - TUBE, OIL PRESSURE GAGE														
10A	**5131604**	HOSE (1/2"I.D.X15 21/32"L.) (12.4065)	1	1	1	1	1	1	1	1	1	1	1			
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1	1			
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)	1		1			1	1	1	1		1			
	144050	BUSHING, 1/2"X1/8" RED. (12.9570)		1		1	1					1	1			
	118748	CONNECTOR, 1/4" TUBE (12.9380)	1	1	1	1	1	1	1	1		1		1		

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 756	757	758	760	761	762	765	766	774	775	778	779
	9.1001 - GEAR ASSY., HYDRAULIC MARINE													
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.												
10B	**5145658**	* GEAR ASSY. (2.194:1 MG 521, L.H.) (TWIN DISC #32329)	1											
10B	**5145094**	* GEAR ASSY. (3.034:1 MG 521, L.H.) (TWIN DISC #32332)		1										
10B	**5145660**	* GEAR ASSY. (4.087:1 MG 521, L.H.) (TWIN DISC #32334)			1									
10B	**5148108**	* GEAR ASSY. (2:1 MG 514, L.H.) (TWIN DISC #32377)				1								
10B	**5148107**	* GEAR ASSY. (2:1 MG 514, R.H.) (TWIN DISC #32309)					1							
1B	**6759697**	GEAR ASSY. (4.5:1 RED. MH, R.H.) (PAGE C1)						1						
10B	**5143362**	@ GEAR ASSY. (2.62:1 MG, 513, R.H.) (TWIN DISC #32685)							1					
10B	**5143363**	* GEAR ASSY. (2.62:1 MG 513, L.H.) (TWIN DISC #32684)								1				
1B	**6759695**	GEAR ASSY. (3:1 RED. MH, R.H.) (PAGE C1)									1			
	6775903	GEAR ASSY. (DIRECT DRIVE) (PAGE C13)										1		
	6759696	GEAR ASSY. (3:1 MH, L.H.) (PAGE C1)											1	
	6759698	GEAR ASSY. (4.5:1 MH, L.H.) (PAGE C1)												1
	6832907	PLATE, NAME						1						
	5170507	DECAL	1	1	1	1	1	1	1	1	1			
	5145014	PLUG, 3/8" PIPE (12.9550)						1			1		1	1
	192413	SCREW, #4X1/4" DRIVE (12.9067)						4						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						12			12	12	12	12
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)				12	12		12	12				
	179888	BOLT, 1/2"-13X1 7/8" (12.9001)	15	15	15									
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)				8	8		8	8				
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)	6	6	6									
	103321	LOCKWASHER, 3/8" (12.9200)						12			12	12	12	12
	103322	LOCKWASHER, 7/16" (12.9200)				12	12		12	12				
	103323	LOCKWASHER, 1/2" (12.9200)	15	15	15	8	8		8	8				
	103325	LOCKWASHER, 5/8" (12.9200)	6	6	6									
		* NOT SERVICED BY DDA PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.												
		@ OBSOLETE.												
	9.1015 - GASKET, REVERSE GEAR HOUSING													
	5170683	GASKET						1			1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 758	757	758	760	761	762	765	766	774	775	778	779
		9.1017 - KIT, HYDRAULIC MARINE GEAR OVERHAUL GASKET												
		A KIT CONSISTS OF ITEMS IN 9.1015 9.1035, 9.1140, 9.1230, 9.1280, 9.1370 AND 9.1390.												
	5193753	KIT, GASKET						AR			AR	AR	AR	AR
		9.1035 - SEAL, REVERSE CLUTCH PISTON												
		A KIT CONSISTS OF ONE EACH LARGE SEAL AND EXPANDER AND ONE EACH SMALL SEAL AND EXPANDER, NOT SOLD SEPARATELY.												
1A,B	**5192289**	SEAL KIT						AR			AR	AR	AR	AR
		9.1086 - REPAIR KIT, PLANETARY GEAR ASSY.												
		A REPAIR KIT INCLUDES ITEMS IN 9.1083 AND 9.1084.												
	5194835	REPAIR KIT						AR			AR	AR	AR	AR
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR												
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215, 9.1220 AND 9.1265 THRU 9.1275.												
1A	**5119849**	FLYWHEEL ASSY.						1			1	1	1	1
	5150130	PLUG (VERTICAL OIL PASSAGE) (1.1001)						1			1	1	1	1
	141236	PIN (PLUG) (HORIZONTAL OIL PASSAGE) (12.9290)						1			1	1	1	1
	9411631	BOLT, LOCK (12.9001)						6			6	6	6	6
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING												
1A,B	**5188030**	GEAR (1.4010)						1			1	1	1	1
		9.1207 - SEAL, FLYWHEEL OIL												
1A,B	**5173384**	SEAL						1			1	1	1	1
1A,B	**9413380**	RING, SNAP						1			1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 756	757	758	760	761	762	765	766	774	775	778	779
		9.1210 - BEARING, FLYWHEEL PILOT												
1A,B	**907084**	BEARING (NDZ99507L1C) (1.4040)						1			1	1	1	1
		9.1211 - RETAINER, PILOT BEARING												
1A,B	**5120753**	RETAINER (1.4045)						1			1	1	1	1
		9.1215 - PIN, FORWARD CLUTCH												
1A,B	**5120017**	PIN (9.1025)						3			3			
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY RELEASE												
1A	**5189539**	BOLT (1/2"-13X1.38")						3			3			
	123550	NUT (1/2"X13 HEX.) (12.9120)						3			3			
		9.1225 - PISTON, FORWARD CLUTCH												
1A	**5189542**	PISTON						1			1	1	1	1
		9.1230 - SEAL, FORWARD CLUTCH												
		A SEAL KIT CONSISTS OF ONE INNER SEAL AND EXPANDER AND ONE OUTER SEAL AND EXPANDER WHICH ARE NOT SOLD SEPARATELY.												
1A,B	**5192288**	SEAL KIT (ALLISON GEAR)						1			1	1	1	1
		9.1235 - PLATE, FORWARD CLUTCH DISC												
		A PLATE ASSY. INCLUDES SPRING IN 9.1237.												
1A,B	**5101603**	PLATE ASSY.						1			1	1	1	1
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE												
	2007110	SPRING (8.1037)						12			12	12	12	12
		9.1240 - SPRING, FORWARD CLUTCH RELEASE												
1A,B	**6701093**	SPRING (9.1055)						16			16	16	16	16

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 756	757	758	760	761	762	765	766	774	775	778	779
		9.1245 - PLATE, FORWARD CLUTCH REACTION												
1A	5182407	PLATE (MH GEAR)						1			1		1	1
	5171419	PLATE										1		
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)						16			16	16	16	16
	103321	LOCKWASHER, 3/8" (12.9200)						16			16	16	16	16
		9.1265 - VALVE, FORWARD CLUTCH DUMP												
1A	5119848	VALVE (PISTON, PLAIN)						1			1	1	1	1
		9.1270 - SPRING, FORWARD CLUTCH DUMP VALVE												
1A	5156815	SPRING						1			1	1	1	1
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING												
	5119824	PLUG, 7/8"						1			1	1	1	1
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		A COUPLING ASSY. INCLUDES BOLTS, NUTS, LOCKWASHER IN 9.1440 AND PIN IN 9.1445.												
	5136144	COUPLING				1	1							
	5186176	COUPLING ASSY. (6 1/2"L.) (9.3445)						1			1	1	1	1
	271637	BOLT, 3/4"-16X2 3/4" (12.9001)						8			8	8	8	8
	273037	BOLT, 7/8"-14X5 1/4" (12.9001)						2			2	2	2	2
	223784	BOLT, 1"-14X2 3/4" (12.9001)				8	8							
	121326	LOCKWASHER, #1 (12.9200)				8	8							
	103326	LOCKWASHER, 3/4" (12.9200)						AR			AR	AR	AR	AR
	103327	LOCKWASHER, 7/8" (12.9200)						2			2	2	2	2
	117054	NUT, 3/4"-16 HEX. (12.9120)						8			8	8	8	8
	218200	NUT, 7/8"-14 HEX. (12.9120)						2			2	2	2	2
	216353	NUT, 1"-14 HEX. (12.9120)				8	8							
		9.1445 - PIN, PROPELLER DRIVE SHAFT COUPLING												
	5170923	PIN						1			1	1	1	1
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL												
2D	5112419	* PUMP ASSY. (EATON) (PAGE A1)						1			1	1	1	1
	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)						2			2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)						AR			AR	AR	AR	AR

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 756	757	758	760	761	762	765	766	774	775	778	779
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL (CONT'D)												
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		9.1477 - ADAPTOR, HYDRAULIC MARINE GEAR OIL PUMP												
	5124093	* STUD, 3/8"-24X5.78"						2			2	2	2	2
	186658	* BOLT, 3/8"-24X5 1/2" (12.9001)						2			2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)						AR			AR	AR	AR	AR
	117049	* NUT, 3/8"-24 HEX. (12.9120)						2			2	2	2	2
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.												
		9.1478 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP ADAPTOR												
	5122227	GASKET (TO FLYWHEEL HOUSING) (1.5060)						1			1	1	1	1
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP												
	5150057	@ GASKET (TO ADAPTOR) (1.5060)						1			1	1	1	1
		@ THRU 6VA-50621, 8VA-81196.												
		9.1540 - HUB, HYDRAULIC PUMP DRIVE												
	5171922	@ HUB						2			2	2	2	2
		@ THRU 6VA-50621, 8VA-81196.												
		9.1545 - HUB, HYDRAULIC PUMP COUPLING												
	5160408	* RING (12.4055)						1			1	1	1	1
		* THRU 6VA-50621, 8VA-81196.												
		9.1550 - RETAINER, PUMP COUPLING												
2A	2070610	* RING (12.4060)						1			1	1	1	1
		* THRU 6VA-50621, 8VA-81196.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 756	557	758	760	761	762	765	766	774	775	778	779
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR)												
		SEE ASSEMBLY BREAKDOWN PAGE D1.												
2D,3B	**5112512**	STRAINER ASSY. (IN LINE TYPE)						1			1	1	1	1
		9.1720 - TUBE, HYDRAULIC MARINE GEAR OIL STRAINER TO PUMP												
2D	**5125788**	HOSE (FLEX. 23 1/2"L.)						1			1	1	1	1
2D	**5183079**	CONNECTOR, 1 5/16"X1" PIPE TAP						1			1	1	1	1
2D	**108687**	ELBOW, 1" STREET 90 DEG. (12.9590)						1			1	1	1	1
		9.1775 - TUBE, OIL PRESSURE GAGE												
	5131604	HOSE, FLEX. (16 21/32"L., 1/2"I.D.)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)						1	1	1	1	1	1	1
	118748	CONNECTOR, 1/4" TUBE (12.9380)	1	1	1	1	1		1	1				
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)	1		1	1	1							
	144050	BUSHING, 1/2"X1/8" RED. (12.9570)	1	1					1	1				
		9.1778 - FILTER ASSY., OIL												
2D	**5129129**	FILTER ASSY.						1			1	1	1	1
	5575213	DECAL (4.2280)						1			1	1	1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						4			4	4	4	4
	103321	LOCKWASHER, 3/8" (12.9200)						4			4	4	4	
		9.1793 - BRACKET, OIL FILTER MOUNTING												
2D	**5122379**	BRACKET						1			1		1	1
2D	**5144219**	+ BRACKET										1		
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)										3		
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)						3			3		3	3
	103321	LOCKWASHER, 3/8" (12.9200)										3		

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 780	781	785	786	787	788	795	797	804	805	806
		9.1001 - GEAR ASSY., HYDRAULIC MARINE											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.											
1B,10A	**6759692**	GEAR ASSY. (1.5:1 MH, L.H.) (PAGE C1)	1										
1B,10A	**6759691**	GEAR ASSY. (1.5:1 MH, R.H.) (PAGE C1)		1									
10B	**5141369**	* GEAR ASSY. (1.5:1 MG 512, R.H.) (TWIN DISC #32240)			1								
10B	**5141368**	* GEAR ASSY. (1.5:1 MG 512, L.H.) (TWIN DISC #32239)				1							
10B	**5141371**	* GEAR ASSY. (2:1 MG 512, R.H.) (TWIN DISC #32242)					1						
10B	**5141370**	* GEAR ASSY. (2:1 MG 512, L.H.) (TWIN DISC #32243)						1					
1A	**6770013**	GEAR ASSY. (1.5:1 M, R.H.) (PAGE C13)							1				1
	6770009	GEAR ASSY. (1:1 M, L.H.) (PAGE C13)									1		
	6770010	GEAR ASSY. (1:1 M, R.H.) (PAGE C13)										1	
	5170507	DECAL			1	1	1	1			1	1	1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	12	12					12		12	12	12
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)			12	12	12	12					
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)			8	8	8	8					
	103321	LOCKWASHER, 3/8" (12.9200)	12	12					12		12	12	12
	103322	LOCKWASHER, 7/16" (12.9200)			12	12	12	12					
	103323	LOCKWASHER, 1/2" (12.9200)			8	8	8	8					
		* NOT SERVICED BY DDA PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.											
		9.1015 - GASKET, REVERSE GEAR HOUSING											
	5170683	GASKET	1	1					1		1	1	1
		9.1017 - KIT, HYDRAULIC MARINE GEAR OVERHAUL GASKET											
		A KIT CONSISTS OF ITEMS IN 9.1015 9.1035, 9.1140, 9.1230, 9.1280, 9.1370 AND 9.1390.											
	5193753	KIT, GASKET	AR	AR					AR		AR	AR	AR
		9.1035 - SEAL, REVERSE CLUTCH PISTON											
		A KIT CONSISTS OF ONE EACH LARGE SEAL AND EXPANDER AND ONE EACH SMALL SEAL AND EXPANDER, NOT SOLD											

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 780	781	785	786	787	788	795	797	804	805	806
	9.1035	**- SEAL, REVERSE CLUTCH PISTON (CONT'D)**											
		SEPARATELY.											
1A,B	**5192289**	SEAL KIT	AR	AR					AR		AR	AR	AR
	9.1086	**- REPAIR KIT, PLANETARY GEAR ASSY.**											
		A REPAIR KIT INCLUDES ITEMS IN 9.1083 AND 9.1084.											
	5194835	REPAIR KIT	AR	AR					AR		AR	AR	AR
	9.1200	**- FLYWHEEL ASSY., REVERSE GEAR**											
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215, 9.1220 AND 9.1265 THRU 9.1275.											
1A	**5119849**	FLYWHEEL ASSY.	1	1					1		1	1	1
	5150130	PLUG (VERTICAL OIL PASSAGE) (1.1001)	1	1					1		1	1	1
	141236	PIN (PLUG) (HORIZONTAL OIL PASSAGE) (12.9290)	1	1					1		1	1	1
	9411631 *	BOLT, LOCK (12.9001)	6	6					6		6	6	6
	5103250 @	BOLT, 9/16"-18X2 3/4"										8	8
		* USE WITH 6 BOLT HOLE CRANKSHAFT @ USE WITH 8 BOLT HOLE CRANKSHAFT											
	9.1205	**- GEAR, REVERSE GEAR FLYWHEEL RING**											
1A,B	**5188030**	GEAR (1.4010)	1	1					1		1	1	1
	9.1207	**- SEAL, FLYWHEEL OIL**											
1A,B	**5173384**	SEAL	1	1					1		1	1	1
1A,B	**9413380**	RING, SNAP	1	1					1		1	1	1
	9.1210	**- BEARING, FLYWHEEL PILOT**											
1A,B	**907084**	BEARING (NDZ99507L1C) (1.4040)	1	1					1		1	1	1
	9.1211	**- RETAINER, PILOT BEARING**											
1A,B	**5120753**	RETAINER (1.4045)	1	1					1		1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 780	781	785	786	787	788	795	797	804	805	806
		9.1215 - PIN, FORWARD CLUTCH											
1A,B	**5120017**	PIN (9.1025)	3	3					3		3	3	3
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY RELEASE											
1A	**5189539**	BOLT (1/2"-13X1.38")	3	3					3		3	3	3
	123550	NUT (1/2"X13 HEX.) (12.9120)	3	3					3		3	3	3
		9.1225 - PISTON, FORWARD CLUTCH											
1A	**5189542**	PISTON	1	1					1		1	1	1
		9.1230 - SEAL, FORWARD CLUTCH											
		A SEAL KIT CONSISTS OF ONE INNER SEAL AND EXPANDER AND ONE OUTER SEAL AND EXPANDER WHICH ARE NOT SOLD SEPARATELY.											
1A,B	**5192288**	SEAL KIT (ALLISON GEAR)	1	1					1		1	1	1
		9.1235 - PLATE, FORWARD CLUTCH DISC											
		A PLATE ASSY. INCLUDES SPRING IN 9.1237.											
1A,B	**5101603**	PLATE ASSY.	1	1					1		1	1	1
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE											
	2007110	SPRING (8.1037)	12	12					12		12	12	12
		9.1240 - SPRING, FORWARD CLUTCH RELEASE											
1A,B	**6701093**	SPRING (9.1055)	16	16					16		16	16	16
		9.1245 - PLATE, FORWARD CLUTCH REACTION											
1A	**5182407**	PLATE (MH GEAR)	1	1									
	5171419	PLATE							1		1	1	1
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	16	16					16		16	16	16
	103321	LOCKWASHER, 3/8" (12.9200)	16	16					16		16	16	16

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 780	781	785	786	787	788	795	797	804	805	806
		9.1265 - VALVE, FORWARD CLUTCH DUMP											
1A	5119848	VALVE (PISTON, PLAIN)	1	1					1		1	1	1
		9.1270 - SPRING, FORWARD CLUTCH DUMP VALVE											
1A	5156815	SPRING	1	1					1		1	1	1
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING											
	5119824	PLUG, 7/8"	1	1					1		1	1	1
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT											
		A COUPLING ASSY. INCLUDES BOLTS, NUTS, LOCKWASHER IN 9.1440 AND PIN IN 9.1445.											
	5136144	COUPLING			1	1	1	1					
	5170849 *	COUPLING							1				
	5192425	COUPLING									1	1	
	5171130	COUPLING ASSY. (5"L.)							1				1
	5186176	COUPLING ASSY. (6 1/2"L.) (9.3445)	1	1									
	5192427	KEY, 7/16"X7/16"X4"											1
	271587	BOLT, 5/8"-18X2" (12.9001)							6		6	6	
	271637	BOLT, 3/4"-16X2 3/4" (12.9001)	8	8									8
	271642	BOLT, 3/4"-17X4" (12.9001)							2		2	2	
	273037	BOLT, 7/8"-14X5 1/4" (12.9001)	2	2									2
	223784	BOLT, 1"-14X2 3/4" (12.9001)			8	8	8	8					
	121326	LOCKWASHER, #1 (12.9200)			8	8	8	8					
	103320	LOCKWASHER, 5/16" (12.9200)											2
	103325	LOCKWASHER, 5/8" (12.9200)							6		6	6	
	103326	LOCKWASHER, 3/4" (12.9200)	AR	AR					AR		AR	AR	
	103327	LOCKWASHER, 7/8" (12.9200)	2	2									2
	103030	NUT, 5/8"-18 HEX. (12.9120)							6		6	6	
	117054	NUT, 3/4"-16 HEX. (12.9120)	8	8					8		8	8	8
	218200	NUT, 7/8"-14 HEX. (12.9120)	2	2							2	2	2
	216353	NUT, 1"-14 HEX. (12.9120)			8	8	8	8					
		* NOT MACHINED, EXCEPT FOR FLANGE.											
		9.1445 - PIN, PROPELLER DRIVE SHAFT COUPLING											
	5170923	PIN	1	1					1				1
	5170920	PIN									1	1	

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 780	781	785	786	787	788	795	797	804	805	806
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL											
2D	5112419	* PUMP ASSY. (EATON) (PAGE A1)	1	1									
2D	5140373	@ # PUMP ASSY. (HYDRECO) (PAGE A1)							1	1			
	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)	2	2					2	2			
	179839	@ BOLT, 3/8"-24X1" (12.9001)							2	2			
	103341	@ WASHER, 3/8" FLAT (12.9190)							2	3			
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR					AR	AR			
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.											
		@ EFF. WITH 6VA-50622, 8VA-81197.											
		# SERVICED AS AN ASSY. ONLY; COMPONENT PARTS NOT AVAILABLE.											
		9.1477 - ADAPTOR, HYDRAULIC MARINE GEAR OIL PUMP											
	5123950	* ADAPTOR	1	1									
	5140478	@ ADAPTOR							1	1			
	5124093	* STUD, 3/8"-24X5.78"	2	2									
	179839	@ BOLT, 3/8"-16X1" (12.9001)							2	2			
	119092	@ BOLT, 3/8"-24X4 3/4" (12.9001)							4	4			
	186658	* BOLT, 3/8"-24X5 1/2" (12.9001)	2	2					2	2			
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR					AR	AR			
	117049	* NUT, 3/8"-24 HEX. (12.9120)	2	2					2	2			
		* THRU 6VA-50621, 8VA-81196; AFTER THESE SERIAL NUMBERS USE 9.1000A TYPE 797 HYDRECO PUMP.											
		@ EFF. WITH 6VA-50622, 8VA-81197.											
		9.1478 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP ADAPTOR											
	5122227	GASKET (TO FLYWHEEL HOUSING) (1.5060)	1	1					1	1			
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP											
	5150057	& GASKET (TO ADAPTOR) (1.5060)	1	1									
	5188755	@ GASKET (TO ADAPTOR) (1.5060)							1	1			
		& THRU 6VA-50621, 8VA-81196.											
		@ EFF. WITH 6VA-50622, 8VA-81197.											
		9.1540 - HUB, HYDRAULIC PUMP DRIVE											
	5171922	& HUB	2	2									
	5143768	@ HUB							1	1			
	5123081	@ HUB							1	1			

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 780	781	785	786	787	788	795	797	804	805	806
		9.1540 - HUB, HYDRAULIC PUMP DRIVE (CONT'D)											
	117213	@ NUT, 1/2"-20 LOCK @ EFF. WITH 6VA-50622, 8VA-81197. & THRU 6VA-50621, 8VA-81196.							1	1			
		9.1545 - HUB, HYDRAULIC PUMP COUPLING											
	5160408	* RING (12.4055) * THRU 6VA-50621, 8VA-81196.	1	1									
		9.1550 - RETAINER, PUMP COUPLING											
2A	2070610	* RING (12.4060) * THRU 6VA-50621, 8VA-81196.	1	1									
		9.1553 - COUPLING, HYDRAULIC PUMP DRIVE											
	5145282	* COUPLING * EFFECTIVE WITH 6VA-50622, 8VA-81197.							1	1			
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR)											
		SEE ASSEMBLY BREAKDOWN PAGE D1.											
D.3B	5112512	STRAINER ASSY. (IN LINE TYPE)	1	1					1		1	1	1
		9.1720 - TUBE, HYDRAULIC MARINE GEAR OIL STRAINER TO PUMP											
2D	5125788	HOSE (FLEX. 23 1/2"L.)	1	1									
2D	5183079	CONNECTOR, 1 5/16"X1" PIPE TAP	1	1									
2D	108687	ELBOW, 1" STREET 90 DEG. (12.9590)	1	1									
		9.1775 - TUBE, OIL PRESSURE GAGE											
	5131604	HOSE, FLEX. (16 21/32"L., 1/2"I.D.)	1	1					1		1	1	1
	5144634	HOSE, FLEX. (#4X15 3/4"L.)			1	1	1	1					
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)	1	1					1		1	1	1
	9402706	CONNECTOR, 1/4" TUBE			1	1	1	1					
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1	1	1	1		1	1	1
	144050	BUSHING, 1/2"X1/8" RED. (12.9570)			1	1	1	1					

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 780	781	785	786	787	788	795	797	804	805	806
		9.1778 - FILTER ASSY., OIL											
2D	5129129	FILTER ASSY.	1	1							1	1	1
	5575213	+ DECAL (4.2280)	1	1							1	1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	4							4	4	4
	103321	LOCKWASHER, 3/8" (12.9200)	4	4							4	4	4
		+ OBSOLETE.											
		9.1793 - BRACKET, OIL FILTER MOUNTING											
2D	5122379	BRACKET	1	1									
2D	5128606	BRACKET									1	1	1
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	3	3									
	428211	BOLT, 5/8"-11X1 1/4" (12.9001)									2	2	2
	103325	LOCKWASHER, 5/8" (12.9200)									2	2	2

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 807	808	809	810	811	812	813	814	815	816	817	818
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. A GEAR ASSY. DOES NOT INCLUDE FLYWHEEL, FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR *PROPELLER DRIVE SHAFT COUPLING.*												
1A	**6770015**	GEAR ASSY. (M20L) (2:1 RED.) (PAGE E1)	1											
1A	**6770016**	GEAR ASSY. (M20L) (2:1 RED.) (PAGE E1)		1										
1B,10A	**6759691**	GEAR ASSY. (1.5:1 MH, R.H.) (PAGE C1)			1									
1B,10A	**6759695**	GEAR ASSY. (3:1 RED. MH, R.H.) (PAGE C1)				1								
1B,10A	**6759699**	GEAR ASSY. (3.75:1 RED. MH, R.H.) (PAGE C1)					1							
1B,10A	**6759697**	GEAR ASSY. (4.5:1 RED. MH, R.H.) (PAGE C1)						1						
1B,10A	**6759696**	GEAR ASSY. (3:1 RED. MH, L.H.) (PAGE C1)							1					
1B,10A	**6759700**	GEAR ASSY. (3.75:1 RED. MH, L.H.) (PAGE C1)								1				
1B,10A	**6759698**	GEAR ASSY. (4.5:1 RED. MH, L.H.) (PAGE C1)									1			
1B,10A	**6759693**	GEAR ASSY. (1.97:1 RED. MH, R.H.) (PAGE C1)										1		
1A	**6770012**	GEAR ASSY. (1.5:1 RED. M, L.H.) (PAGE C13)											1	
1B,10A	**6759694**	GEAR ASSY. (2:1 RED. MH, L.H.) (PAGE C1)												1
	5170507	*DECAL, ROTATION DIRECTION (ARROW)*			1	1	1	1	1	1	1	1	1	1
	5145014	PLUG, 3/8" PIPE (12.9550)			1	1	1	1	1	1	1	1		1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	12	12	12	12	12	12	12	12	12	12	12	12
	103321	LOCKWASHER, 3/8" (12.9200)	12	12	12	12	12	12	12	12	12	12	12	12
		9.1015 - GASKET, REVERSE GEAR HOUSING												
	5170683	GASKET	1	1	1	1	1	1	1	1	1	1		
		9.1017 - KIT, HYDRAULIC MARINE GEAR OVERHAUL GASKET												
		INCLUDES ITEMS IN 9.1015, 9.1035, 9.1140, 9.1230, 9.1280, 9.1370, 9.1390.												
	5193753	KIT, GASKET	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 807	808	809	810	811	812	813	814	815	816	817	818
	9.1035	**- SEAL KIT, REVERSE CLUTCH PISTON**												
		INCLUDES ONE LARGE AND ONE SMALL SEAL AND EXPANDER (NOT SOLD SEPARATELY).												
	5192289	SEAL KIT			AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	9.1086	**- REPAIR KIT, PLANETARY GEAR ASSY.**												
		INCLUDES ITEMS IN 9.1083 AND 9.1084.												
	5194835	REPAIR KIT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	9.1200	**- FLYWHEEL ASSY., REVERSE GEAR**												
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215, 9.1220 & 9.1265 THRU 9.1275.												
1A	**5119849**	FLYWHEEL ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
	5150130	PLUG (VERTICAL OIL PASSAGE) (1.1001)	1	1	1	1	1	1	1	1	1	1	1	1
	141236	PIN (PLUG) (HORIZONTAL OIL PASSAGE) (12.9290)	1	1	1	1	1	1	1	1	1	1	1	1
	9411631 *	BOLT, 9/16"-18X2 3/4" LOCK (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6
	5103250 @	BOLT, 9/16-18X2 3/4"	8	8	8	8	8	8	8	8	8	8	8	8
		* WITH 6 BOLT HOLE CRANKSHAFT @ WITH 8 BOLT HOLE CRANKSHAFT												
	9.1203	**- FLYWHEEL AND FORWARD CLUTCH KIT**												
		INCLUDES 5119849 FLYWHEEL AND PISTON ASSY., LOCK BOLTS IN 9.1200 AND ITEMS IN 9.1211, 9.1235, 9.1237 AND 9.1240.												
	5196134	KIT	1	1	1	1	1	1	1	1	1	1		
	9.1205	**- GEAR, REVERSE GEAR FLYWHEEL RING**												
1A,B	**5188030**	GEAR (1.4010)	1	1	1	1	1	1	1	1	1	1	1	1
	9.1207	**- SEAL, FLYWHEEL OIL**												
1A,B	**5173384**	SEAL	1	1	1	1	1	1	1	1	1	1	1	1
1A,B	**9413380**	RING, SNAP	1	1	1	1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 807	808	809	810	811	812	813	814	815	816	817	818
		9.1210 - BEARING, FLYWHEEL PILOT												
1A,B	**907084**	BEARING (N.D. 99507L1C) (1.4040)	1	1	1	1	1	1	1	1	1	1	1	1
		9.1211 - RETAINER, PILOT BEARING												
1A,B	**5120753**	RETAINER (1.4045)	1	1	1	1	1	1	1	1	1	1	1	1
		9.1215 - PIN, FORWARD CLUTCH												
1A,B	**5120017**	PIN	3	3	3	3	3	3	3	3	3	3	3	3
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY RELEASE												
1A	**5189539**	BOLT, 1/2"-13X1.38"	3	3	3	3	3	3	3	3	3	3	3	3
	123550	NUT, 1/2"-13 HEX. (12.9120)	3	3	3	3	3	3	3	3	3	3	3	3
		9.1225 - PISTON, FORWARD CLUTCH												
1A	**5189542**	PISTON	1	1	1	1	1	1	1	1	1	1	1	1
		9.1230 - SEAL KIT, FORWARD CLUTCH PISTON												
		INCLUDES ONE INNER AND ONE OUTER SEAL AND EXPANDER (NOT SOLD SEPARATELY).												
1A,B	**5192288**	SEAL KIT (ALLISON GEAR)	1	1	1	1	1	1	1	1	1	1	1	1
		9.1235 - PLATE, FORWARD CLUTCH DISC												
		INCLUDES SPRING IN 9.1237.												
1A,B	**5101603**	PLATE ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE												
	2007110	SPRING (8.1037)	12	12	12	12	12	12	12	12	12	12	12	12
		9.1240 - SPRING, FORWARD CLUTCH RELEASE												
1A,B	**6701093**	SPRING (9.1055)	16	16	16	16	16	16	16	16	16	16	16	16

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 807	808	809	810	811	812	813	814	815	816	817	818
		9.1245 - PLATE, FORWARD CLUTCH REACTION												
1A	**5182407**	PLATE (MH GEAR)	1	1	1	1	1	1	1	1	1	1		1
	5171419	PLATE	1	1							1			
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	16	16	16	16	16	16	16	16	16	16	16	16
	103321	LOCKWASHER, 3/8" (12.9200)	16	16	16	16	16	16	16	16	16	16	16	16
		9.1265 - VALVE, FORWARD CLUTCH DUMP												
1A	**5119848**	VALVE	1	1	1	1	1	1	1	1	1	1	1	1
		9.1270 - SPRING, FORWARD CLUTCH												
1A	**5156815**	SPRING	1	1	1	1	1	1	1	1	1	1	1	1
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING												
	5119824	PLUG (7/8")	1	1	1	1	1	1	1	1	1	1	1	1
		9.1537 - SHAFT ASSY., BLOWER AND HYDRAULIC PUMP DRIVE												
	5189452	SHAFT	1	1										
	5189454	SHAFT (3.4445)	1	1										
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR)												
		SEE ASSEMBLY BREAKDOWN PAGE D1.												
2D,3B	**5112512**	STRAINER ASSY. (IN LINE TYPE)	1		1	1	1	1	1	1	1	1	1	1
		9.1775 - TUBE, OIL PRESSURE GAGE												
	5131604	HOSE, FLEX. (15 21/32" L., 1/2" I.D.) (12.4065)			1	1	1	1	1	1	1	1	1	1
	116753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)			1	1	1	1	1	1	1	1		
	1508350	FITTING, RESTRICTION (7.4074)			1	1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 821	822	823	824	829	834	858	859	861	863	864
		9.1001 - GEAR ASSY., HYDRAULIC MARINE											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. A GEAR ASSY. DOES NOT INCLUDE FLYWHEEL, FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING.											
1B,10A	**6759693**	GEAR ASSY. (1.97:1 RED. MH, R.H.) (PAGE C1)									1	1	
1A	**6770012**	GEAR ASSY. (1.5:1 RED. M, L.H.) (PAGE C13)											1
10B	**5145734**	* GEAR ASSY. (1.5:1 MG 514, R.H.) (TWIN DISC #33395)	1										
10B	**5145735**	* GEAR ASSY. (1.5:1 MG 514, R.H.) (TWIN DISC #33394)		1									
1B,10A	**6759692**	GEAR ASSY. (1.5:1 MH, L.H.) (PAGE C1)			1								
1B,10A	**6759702**	GEAR ASSY. (2.5:1 MH, R.H.) (PAGE C7)				1							
10B	**5146565**	@ GEAR ASSY. (1.45:1 MG 509, R.H.) (TWIN DISC #33616)						1					
10B	**5100489**	* GEAR ASSY. (2.5:1 RED. MG 514, L.H.) (TWIN DISC #34866)							1				
10B	**5100488**	* GEAR ASSY. (2.5:1 RED. MG 514, R.H.) (TWIN DISC #34865)								1			
	3354883	GEAR ASSY. (4.5:1 RED. MG 509)									1		
	5170507	DECAL, ROTATION DIRECTION (ARROW)	1	1	1	1			1	1	1	1	1
	5145014	PLUG, 3/8" PIPE (12.9550)			1	1						1	1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						12					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			12	12		8				12	12
	427564	BOLT, 7/16"-14X1 1/8" (12.9001)	12	12								12	
	106337	BOLT, 7/16"-14X1 3/8" (12.9001)							12	12			
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)	8	8					8	8	8		
	103321	LOCKWASHER, 3/8" (12.9200)			12	12		20				12	12
	103322	LOCKWASHER, 7/16" (12.9200)	12	12					12	12	12		
	103323	LOCKWASHER, 1/2" (12.9200)	8	8					8	8	8		
		* NOT SERVICED BY DDA PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.											
		@ OBSOLETE.											
		9.1015 - GASKET, REVERSE GEAR HOUSING											
	5170683	GASKET			1	1	1	1				1	1
		9.1017 - KIT, HYDRAULIC MARINE GEAR OVERHAUL GASKET											
		INCLUDES ITEMS IN 9.1015, 9.1035, 9.1140, 9.1230, 9.1280, 9.1370, 9.1390.											

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 821	822	823	824	829	834	858	859	861	863	864
		9.1017 - KIT, HYDRAULIC MARINE GEAR OVERHAUL GASKET (CONT'D)											
	5193753	KIT, GASKET			AR	AR						AR	AR
		9.1035 - SEAL KIT, REVERSE CLUTCH PISTON											
		INCLUDES ONE LARGE AND ONE SMALL SEAL AND EXPANDER (NOT SOLD SEPARATELY).											
	5192289	SEAL KIT			AR	AR						AR	AR
		9.1086 - REPAIR KIT, PLANETARY GEAR ASSY.											
		INCLUDES ITEMS IN 9.1083 AND 9.1084.											
	5194835	REPAIR KIT			AR	AR						AR	AR
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR											
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215, 9.1220 & 9.1265 THRU 9.1275.											
1A	**5119849**	FLYWHEEL ASSY.			1	1						1	1
	5150130	PLUG (VERTICAL OIL PASSAGE) (1.1001)			1	1						1	1
	141236	PIN (PLUG) (HORIZONTAL OIL PASSAGE) (12.9290)			1	1						1	1
	9411631	BOLT, 9/16"-18X2 3/4" LOCK (12.9001)			6	6						6	6
		9.1203 - FLYWHEEL AND FORWARD CLUTCH KIT											
		INCLUDES 5119849 FLYWHEEL AND PISTON ASSY., LOCK BOLTS IN 9.1200 AND ITEMS IN 9.1211, 9.1235, 9.1237 AND 9.1240.											
	5196134	KIT	1	1								1	1
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING											
1A,B	**5188030**	GEAR (1.4010)			1	1						1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 821	822	823	824	829	834	858	859	861	863	864
		9.1207 - SEAL, FLYWHEEL OIL											
1A,B	**5173384**	SEAL			1	1						1	1
1A,B	**9413380**	RING, SNAP			1	1						1	1
		9.1210 - BEARING, FLYWHEEL PILOT											
1A,B	**907084**	BEARING (N.D. 99507L1C) (1.4040)			1	1						1	1
		9.1211 - RETAINER, PILOT BEARING											
1A,B	**5120753**	RETAINER (1.4045)			1	1						1	1
		9.1215 - PIN, FORWARD CLUTCH											
1A,B	**5120017**	PIN			3	3						3	3
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY RELEASE											
1A	**5189539**	BOLT, 1/2"-13X1.38"			3	3						3	3
	123550	NUT, 1/2"-13 HEX. (12.9120)			3	3						3	3
		9.1225 - PISTON, FORWARD CLUTCH											
1A	**5189542**	PISTON			1	1						1	1
		9.1230 - SEAL KIT, FORWARD CLUTCH PISTON											
		INCLUDES ONE INNER AND ONE OUTER SEAL AND EXPANDER (NOT SOLD SEPARATELY).											
1A,B	**5192288**	SEAL KIT (ALLISON GEAR)			1	1							
		9.1235 - PLATE, FORWARD CLUTCH DISC											
		INCLUDES SPRING IN 9.1237.											
	5101603	PLATE ASSY.			1	1						1	1
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE											
	2007110	SPRING (8.1037)			12	12							

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8211	8221	8223	8224	8229	8334	8558	8559	8611	8633	8634
		9.1240 - SPRING, FORWARD CLUTCH RELEASE											
1A,B	**6701093**	SPRING (9.1055)			16	16						16	16
		9.1245 - PLATE, FORWARD CLUTCH REACTION											
1A	**5182407**	PLATE (MH GEAR)			1	1						1	1
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)			16	16						16	16
	103321	LOCKWASHER, 3/8" (12.9200)			16	16						16	16
		9.1265 - VALVE, FORWARD CLUTCH DUMP											
1A	**5119848**	VALVE			1	1						1	1
		9.1270 - SPRING, FORWARD CLUTCH											
1A	**5156815**	SPRING			1	1						1	1
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING											
	5119824	PLUG (7/8")			1	1						1	1
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT											
	5136144	COUPLING (10 1/2"O.D.X8" L.)							1	1			
	223784	BOLT, 1"-14X2 3/4" (12.9001)							8	8			
	121326	LOCKWASHER, 1" (12.9200)							8	8			
	216353	NUT, 1"-14 HEX. (12.9120)							8	8			
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL											
	5193576	GEAR, PUMP DRIVE (5.6320)					1						
	5143616	COUPLING					1						
	5170450	PLATE (DISC) (1.7630)					1						
	5145092	BOLT, 3/8"-24X1.20" (12.5015)					4						
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)					1						
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)					4						
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR)											
		SEE ASSEMBLY BREAKDOWN PAGE D1.											
2D,3B	**5112512**	STRAINER ASSY. (IN LINE TYPE)			1	1						1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8211	8222	8223	8224	8229	8334	8558	8559	8661	8663	8664
		9.1775 - TUBE, OIL PRESSURE GAGE											
	5131604	HOSE, FLEX. (15 21/32" L., 1/2"I.D.)	1	1	1	1			1	1		1	1
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)			1	1						1	1
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1			1	1		1	1
	112877	BUSHING, 1/2"X1/8" RED. (12.9570)	1	1					1	1			
	118748	CONNECTOR, 1/4" TUBE (12.9380)	1	1					1	1			

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 865	866	867	868	869	870	871	872	873	874	875	876
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. A GEAR ASSY. DOES NOT INCLUDE FLYWHEEL, FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING.												
1B,10A	**6759702**	GEAR ASSY. (2.5:1 MH, R.H.) (PAGE C7)	1											
1B,10A	**6759701**	GEAR ASSY. (2.5:1 RED. MH, L.H.) (PAGE C7)		1										
10B	**5136528**	* GEAR ASSY. (5.17:1 RED. MG 529, R.H.) (TWIN DISC #31360)			1									
10B	**5148113**	* GEAR ASSY. (4.5:1 RED. MG 514, R.H.) (TWIN DISC #32288)				1								
10B	**5148111**	* GEAR ASSY. (4.13:1 RED. MG 514, R.H.) (TWIN DISC #32285)					1							
10B	**5148117**	* GEAR ASSY. (6:1 RED. MG 514, R.H.) (TWIN DISC #32294)						1						
10B	**5148115**	* GEAR ASSY. (5.16:1 RED. MG 514, R.H.) (TWIN DISC #32291)							1					
10B	**5148109**	* GEAR ASSY. (3:1 RED. MG 514, R.H.) (TWIN DISC #32317)								1				
10B	**5148110**	* GEAR ASSY. (3:1 RED. MG 514, L.H.) (TWIN DISC #32318)									1			
10B	**5145657**	* GEAR ASSY. (2.19:1 RED. MG 521, R.H.) (TWIN DISC #33264)										1		
10B	**5145659**	* GEAR ASSY. (4.087:1 RED. MG 521, R.H.) (TWIN DISC #33327)											1	
10B	**5148108**	* GEAR ASSY. (2:1 RED. MG 514, R.H.) (TWIN DISC #32377)												1
	5170507	DECAL, ROTATION DIRECTION (ARROW)	1	1		1	1	1	1	1	1	1	1	1
	5145014	PLUG, 3/8" PIPE (12.9550)	1	1										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	12	12										
	106337	BOLT, 7/16"-14X1 1/8" (12.9001)				11	11	11	11	11	11			12
	179888	BOLT, 1/2"-13X7/8" (12.9001)										15	15	
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)				8	8	8	8	8	8			8
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)			14									
	271562	BOLT, 5/8"-11X2" (12.9001)			6									
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)										6	6	
	103321	LOCKWASHER, 3/8" (12.9200)	12	12										
	103322	LOCKWASHER, 7/16" (12.9200)				AR	AR	AR	AR	AR	AR			AR
	103323	LOCKWASHER, 1/2" (12.9200)			AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103325	LOCKWASHER, 5/8" (12.9200)			6							6	6	
		* NOT SERVICED BY DDA PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER IN PARENTHESES.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 865	866	867	868	869	870	871	872	873	874	875	876
		9.1015 - GASKET, REVERSE GEAR HOUSING												
	5170683	GASKET	1	1										
		9.1017 - KIT, HYDRAULIC MARINE GEAR OVERHAUL GASKET												
		INCLUDES ITEMS IN 9.1015, 9.1035, 9.1140, 9.1230, 9.1280, 9.1370, 9.1390.												
	5193753	KIT, GASKET	AR	AR										
		9.1035 - SEAL KIT, REVERSE CLUTCH PISTON												
		INCLUDES ONE LARGE AND ONE SMALL SEAL AND EXPANDER (NOT SOLD SEPARATELY).												
	5192289	SEAL KIT	AR	AR										
		9.1086 - REPAIR KIT, PLANETARY GEAR ASSY.												
		INCLUDES ITEMS IN 9.1083 AND 9.1084.												
	5194835	REPAIR KIT	AR	AR										
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR												
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215, 9.1220 & 9.1265 THRU 9.1275.												
1A	**5119849**	FLYWHEEL ASSY.	1	1										
	5150130	PLUG (VERTICAL OIL PASSAGE) (1.1001)	1	1										
	141236	PIN (PLUG) (HORIZONTAL OIL PASSAGE)	1	1										
	9411631	BOLT, LOCK (12.9001)	1	1										
		9.1203 - FLYWHEEL AND FORWARD CLUTCH KIT												
		INCLUDES 5119849 FLYWHEEL AND PISTON ASSY., LOCK BOLTS IN 9.1200 AND ITEMS IN 9.1211, 9.1235, 9.1237 AND 9. 1240.												
	5196134	KIT	1	1										

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 865	866	867	868	869	870	871	872	873	874	875	876
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING												
1A,B	5188030	GEAR (1.4010)	1	1										
		9.1207 - SEAL, FLYWHEEL OIL												
1A,B	5173384	SEAL	1	1										
1A,B	9413380	RING, SNAP	1	1										
		9.1210 - BEARING, FLYWHEEL PILOT												
1A,B	907084	BEARING (N.D. 99507L1C) (1.4040)	1	1										
		9.1211 - RETAINER, PILOT BEARING												
1A,B	5120753	RETAINER (1.4045)	1	1										
		9.1215 - PIN, FORWARD CLUTCH												
1A,B	5120017	PIN	3	3										
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY RELEASE												
1A	5189539	BOLT, 1/2"-13X1.38"	3	3										
	123550	NUT, 1/2"-13 HEX. (12.9120)	3	3										
		9.1225 - PISTON, FORWARD CLUTCH												
1A	5189542	PISTON	1	1										
		9.1230 - SEAL KIT, FORWARD CLUTCH PISTON												
		INCLUDES ONE INNER AND ONE OUTER SEAL AND EXPANDER (NOT SOLD SEPARATELY).												
1A,B	5192288	SEAL KIT (ALLISON GEAR)	1	1										
		9.1235 - *PLATE, FORWARD CLUTCH DISC*												
		INCLUDES SPRING IN 9.1237.												
1A,B	5101603	PLATE ASSY.	1	1										

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 865	866	867	868	869	870	871	872	873	874	875	876
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE												
	2007110	SPRING (8.1037)	1	1										
		9.1240 - SPRING, FORWARD CLUTCH RELEASE												
1A,B	6701093	SPRING	16	16										
		9.1245 - PLATE, FORWARD CLUTCH REACTION												
1A	5182407	PLATE (MH GEAR)	1	1										
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	16	16										
	103321	LOCKWASHER, 3/8" (12.9200)	16	16										
		9.1265 - VALVE, FORWARD CLUTCH DUMP												
1A	5119848	VALVE	1	1										
		9.1270 - SPRING, FORWARD CLUTCH												
1A	5156815	SPRING	1	1										
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING												
	5119824	PLUG (7/8")	1	1										
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
	5136144	COUPLING (8" L.)								1	1			
	223784	BOLT, 1"-14X2 3/4" (12.9001)								8	8			
	121326	LOCKWASHER, 1" (12.9200)								8	8			
	117056	NUT, 1"-14								8	8			
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR)												
		SEE ASSEMBLY BREAKDOWN PAGE D1.												
2D,3B	5112512	STRAINER ASSY. (INLINE TYPE)	1	1										
		9.1775 - TUBE, OIL PRESSURE GAGE												
	5131604	HOSE, FLEX. (15 21/32" L., 1/2"I.D.)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)	1	1										
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 865	866	867	868	869	870	871	872	873	874	875	876
	9.1775	**- TUBE, OIL PRESSURE GAGE (CONT'D)**												
	112877	BUSHING, 1/4"X1/8" RED. BR. (12.9570)			1	1	1	1	1	1	1	1	1	1
	118748	CONNECTOR, 1/4" TUBE (12.9380)			1	1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 877	878	879	880	881	882	883	884	885	886	892	893	894	895
		9.1001 - GEAR ASSY., HYDRAULIC MARINE														
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. A GEAR ASSY. DOES NOT INCLUDE FLYWHEEL, FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR *PROPELLER DRIVE SHAFT COUPLING.*														
10B	**5148105**	* GEAR ASSY. (1:5:1 RED. MG 514 R.H.) (TWIN DISC #34386)	1													
10B	**5100489**	* GEAR ASSY. (2.5:1 RED. MG 514, L.H.) (TWIN DISC #34886)		1												
10B	**5148111**	* GEAR ASSY. (4.13:1 RED. MG 514, R.H.) (TWIN DISC #32285)			1											
10B	**5148117**	* GEAR ASSY. (6:1 RED. MG 514, R.H.) (TWIN DISC #32294)				1										
1A	**6883595**	GEAR ASSY. (1.5:1 M15R R.H.)														1
10B	**5148115**	* GEAR ASSY. (5.16:1 RED. MG 514, R.H.) (TWIN DISC #32291)					1									
1B,10A	**6883467**	+ GEAR ASSY. (1.97:1 MH20L L.H.) (PAGE C1) (23010186)						1								
1B,10A	**6883466**	+ GEAR ASSY. (1.97:1 MH20R R.H.) (PAGE C1) (23010185)							1							
	5102121	GEAR ASSY. (1.1 DIRECT DRIVE) HPC-200										1				
1B,10A	**6759692**	GEAR ASSY. (1.5:1 MH, L.H.) (PAGE C1)								1						
1A	**6883370**	GEAR ASSY. (2.1 M20L L.H.) (PAGE C1											1			
1A	**6883371**	GEAR ASSY. (2.1 M20R R.H.) (PAGE C1)												1		
1B,10A	**6759691**	GEAR ASSY. (1.5:1 MH, R.H.) (PAGE C1)									1					
1A	**6883594**	GEAR ASSY. (1.5:1 M15L L.H.) (PAGE C1)													1	
	5170507	DECAL, ROTATION DIRECTION (ARROW)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5145014	PLUG, 3/8" PIPE (12.9550)						1	1	1	1					
	9437036	STUD, 7/16"-14X6 1/2"										4				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						12	12	12	12		12	12	12	12
	427564	BOLT, 7/16"-14X1 1/8" (12.9001)	12	12	11	11	11									
	187136	BOLT, 7/16"-14X6" (12.9001)										8				
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)	8	8	8	8	8									
	112824	BOLT, 1/2"-13X1 3/4" (12.9001)										8				
	103321	LOCKWASHER, 3/8" (12.9200)						12	12	12	12		12	12	12	12
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR					12				
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR	AR	AR	AR					AR				
	456939	NUT, 7/16"-20 (12.9120)										4				

* NOT SERVICED BY DDA PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.

\+ NOT SERVICED; COMPONENTS ARE *AVAILABLE FOR COMPLETE* REPLACEMENT USE PART NUMBER IN PARENTHESES.

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 877	878	879	880	881	882	883	884	885	886	892	893	894	895
		9.1001 - GEAR ASSY., HYDRAULIC MARINE (CONT'D)														
		NUMBER SHOWN IN PARENTHESES.														
		9.1012 - SEAL, REVERSE GEAR HOUSING ADAPTOR OIL														
	5178041	SEAL RING 2" I.D.						1	1							
	5178869	RETAINER						1	1							
		9.1015 - GASKET, REVERSE GEAR HOUSING														
	5170683	GASKET						1	1	1	1		1	1	1	1
		9.1017 - KIT, HYDRAULIC MARINE GEAR OVERHAUL GASKET														
		INCLUDES ITEMS IN 9.1015, 9.1035, 9.1140, 9.1230, 9.1280, 9.1370, 9.1390.														
	5193753	KIT, GASKET								AR	AR	AR	AR	AR	AR	AR
		9.1035 - SEAL KIT, REVERSE CLUTCH PISTON														
		INCLUDES ONE LARGE AND ONE SMALL SEAL AND EXPANDER (NOT SOLD SEPARATELY).														
	5192289	SEAL KIT								AR	AR	AR	AR	AR	AR	AR
		9.1086 - REPAIR KIT, PLANETARY GEAR ASSY.														
		INCLUDES ITEMS IN 9.1083 AND 9.1084.														
	5194835	REPAIR KIT								AR	AR					
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR														
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215, 9.1220 & 9.1265 THRU 9.1275.														
1A	5119849	FLYWHEEL ASSY.								1	1		1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 877	878	879	880	881	882	883	884	885	886	892	893	894	895
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR (CONT'D)														
1A	**5100761**	FLYWHEEL ASSY.						1	1							
	5150130	PLUG (VERTICAL OIL PASSAGE) (1.1001)						1		1	1		1	1	1	1
	141236	PIN (PLUG) (HORIZONTAL OIL PASSAGE)								1	1		1	1	1	1
	272480	PIN 3/8"-1/4"						1								
	9411631	BOLT, LOCK (12.9001)								1	1		6	6	6	6
	5111393	BOLT, 1/2"-13X2 1/2"						1								
	9412017	BOLT, 9/16"-18X3 1/2" (12.9001)							6	6						
	102637	NUT, 1/2"-13 (12.9120)						1								
		9.1203 - FLYWHEEL AND FORWARD CLUTCH KIT														
		INCLUDES 5119849 FLYWHEEL AND PISTON ASSY., LOCK BOLTS IN 9.1200 AND ITEMS IN 9.1211, 9.1235, 9.1237 AND 9.1240.														
	5196134	KIT								1	1		1	1	1	1
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING														
1A,B	**5188030**	GEAR (1.4010)								1	1		1	1	1	1
1A,B	**5184773**	GEAR						1	1							
		9.1207 - SEAL, FLYWHEEL OIL														
1A,B	**5173384**	SEAL						1	1	1	1		1	1	1	1
1A,B	**9413380**	RING, SNAP						1	1	1	1		1	1	1	1
		9.1210 - BEARING, FLYWHEEL PILOT														
1A,B	**907084**	BEARING (N.D. 99507L1C) (1.4040)						1	1	1	1		1	1	1	1
		9.1211 - RETAINER, PILOT BEARING														
1A,B	**5120753**	RETAINER (1.4045)						1	1	1	1		1	1	1	1
		9.1215 - PIN, FORWARD CLUTCH														
1A,B	**5120017**	PIN						3	3	3	3		3	3	3	3
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY RELEASE														
1A	**5189539**	BOLT, 1/2"-13X1.38"								3	3		3	3	3	3
	123550	NUT, 1/2"-13 HEX. (12.9120)								3	3					
	114505	NUT, 1/2"-13 (12.9120)											3	3	3	3

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8777	8778	8779	8780	8781	8782	8783	8784	8785	8786	8792	8793	8794	8795
		9.1225 - PISTON, FORWARD CLUTCH														
1A	**5189542**	PISTON						1	1	1	1		1	1	1	1
		9.1230 - SEAL KIT, FORWARD CLUTCH PISTON														
		INCLUDES ONE INNER AND ONE OUTER SEAL AND EXPANDER (NOT SOLD SEPARATELY).														
1A,B	**5192288**	SEAL KIT (ALLISON GEAR)						1	1				1	1	1	1
		9.1235 - PLATE, FORWARD CLUTCH DISC														
		INCLUDES SPRING IN 9.1237.														
	5101603	PLATE ASSY.											1	1	1	1
1A,B	**5101603**	PLATE ASSY.						1	1	1	1					
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE														
	2007110	SPRING (8.1037)						12	12	12	12		12	12	12	12
		9.1240 - SPRING, FORWARD CLUTCH RELEASE														
1A,B	**6701093**	SPRING						16	16	16	16		16	16	16	16
		9.1245 - PLATE, FORWARD CLUTCH REACTION														
1A	**5182407**	PLATE (MH GEAR)						1	1	1	1					
	5171419	PLATE (MGEAL)											1	1	1	1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						16	16	16	16		16	16	16	16
	103321	LOCKWASHER, 3/8" (12.9200)						16	16	16	16		16	16	16	16
		9.1265 - VALVE, FORWARD CLUTCH DUMP														
1A	**5119848**	VALVE						1	1	1	1		1	1	1	1
		9.1270 - SPRING, FORWARD CLUTCH														
1A	**5156815**	SPRING						1	1	1	1		1	1	1	1
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING														
	5119824	PLUG (7/8")						1	1	1	1		1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 877	878	879	880	881	882	883	884	885	886	892	893	894	895
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR)														
		SEE ASSEMBLY BREAKDOWN PAGE D1.														
2D,3B	**5112512**	STRAINER ASSY. (INLINE TYPE)						1	1	1	1		1	1	1	1
		9.1775 - TUBE, OIL PRESSURE GAGE														
	5131604	HOSE, FLEX. (15 21/32" L., 1/2" I.D.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)						1	1	1	1		1	1	1	1
	116453	ELBOW, 1/4" TUBE 90 DEG. (12.9390)										1				
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	112877	BUSHING, 1/4 X1/8 RED. (12.9576)	1	1	1	1	1									
	144050	BUSHING, 1/2"X1/8" RED. (12.9570)	1	1	1	1	1									
	118748	CONNECTOR, 1/4" TUBE (12.9380)	1	1	1	1	1									
	5183079	CONNECTOR, 1 5/16"X 1" PIPE TAP (9.1720)										1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 896	897	898	899	917	923	925	936	937	938	939	940	941	942
		9.1001 - GEAR ASSEMBLY,. HYDRAULIC MARINE														
		▪ FOR TYPE 918 USE TYPE 892. ▪														
		▪ FOR TYPE 920 USE TYPE 894. ▪														
		▪ FOR TYPE 921 USE TYPE 895. ▪														
		▪ FOR TYPE 943 USE TYPE 938. ▪														
		▪ FOR TYPE 900 USE TYPE 1009. ▪														
		▪ FOR TYPE 929 USE TYPE 1010. ▪														
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. A GEAR ASSEMBLY DOES NOT INCLUDE FLYWHEEL, FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING.														
1B,10A	**6883464**	+ GEAR ASSY. (1.54:1 MH15R R.H.) (PAGE D1) (23010183)	1													
1B,10A	**6883465**	+ GEAR ASSY. (1.54:1 MH15L L.H.) (PAGE D1) (23010184)		1												
1B,10A	**6883468**	GEAR ASSY. (2.5:1 MH25R R.H.) (PAGE D1)			1											
1B,10A	**6883469**	GEAR ASSY. (2.5:1 MH25L L.H.) (PAGE D1)				1										
10B	**5102798**	* GEAR ASSY. (3.1 RED. MG-514 R.H.) (TWIN DISC #34349)				-	1									
10B	**5104744**	* GEAR ASSY. (2.1 RED. MG-514 R.H.) (TWIN DISC # 35962)							1							
1A	**6883607**	GEAR ASSY. (2.1 M20L L.H.) (PAGE D1)								1				1		
1A	**6883608**	GEAR ASSY. (2.1 M20R R.H.) (PAGE D1)									1					1
1A	**6883604**	GEAR ASSY. (1.1 M11R R.H.) (PAGE D1)										1				
1A	**6883605**	GEAR ASSY. (1.5:1 M15L L.H.) (PAGE D1)											1			
1A	**6883606**	GEAR ASSY. (1.5:1 M15R R.H.) (PAGE D1)													1	
	5170507	DECAL, ROTATION DIRECTION (ARROW)	1	1	1	1	1		1	1	1	1	1	1	1	1
	5145014	PLUG 3/8" PIPE (12.9550)	1	1	1	1										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	12	12	12	12				12	12	12	12	12	12	12
	106337	BOLT, 7/16"-14X1 3/8" (12.9001)					11		11							
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)					8		8							
	103321	LOCKWASHER, 3/8" (12.9200)	12	12	12	12				12	12	12	12	12	12	12
	103322	LOCKWASHER, 7/16" (12.9200)					11		11							
	103323	LOCKWASHER, 1/2" (12.9200)					8		8							
		* NOT SERVICED BY DDA PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.														
		+ NOT SERVICED; COMPONENTS ARE AVAILABLE FOR COMPLETE REPLACEMENT USE PART NUMBER SHOWN IN PARENTHESES.														
		9.1012 - SEAL, REVERSE GEAR HOUSING ADAPTOR O IL														
	5178041	SEAL RING 2"I.D.	1	1	1	1										
	5178869	RETAINER	1	1	1	1										

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8966	8967	8988	8989	9117	9123	9125	9136	9137	9138	9139	9140	9141	9142
		9.1015 - GASKET, REVERSE GEAR HOUSING														
	5170683	GASKET	1	1	1	1				1	1	1	1	1	1	1
		9.1017 - KIT, HYDRAULIC MARINE GEAR OVERHAUL GASKET														
		INCLUDES ITEMS IN 9.1015, 9.1035, 9.1140 9. 1230, 9.1280, 9.1370, AND 9.1390.														
	5193573	GASKET	1	1	1	1										
		9.1035 - SEAL KIT, REVERSE CLUTCH PISTON														
		INCLUDES ONE LARGE AND ONE SMALL SEAL AND EXPANDER (NOT SOLD SEPARATELY.														
	5192289	SEAL KIT	1	1	1	1										
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR														
		INCLUDES PLUGS IN 9.1200, PLUS ITEMS 9.1205, 9.1207, 9.1210, 9.1215, 9.1220 AND 9.1265 THRU														
1A	**5119849**	FLYWHEEL ASSY.	1	1	1	1		1		1	1	1	1	1	1	1
	5150130	PLUG (VERTICAL OIL PASSAGE) (1.1001)	1	1	1	1		1		1	1	1	1	1	1	1
	141236	PIN (PLUG) (HORIZONTAL OIL PASSAGE)	1	1	1	1		1		1	1	1	1	1	1	1
	9411631	* BOLT, 9/16"-18X2 3/4"	6	6	6	6		6		6	6					
	5103250	@ BOLT, 9/16"-18X2 3/4"	8	8	8	8		8				8	8	8	8	8
		* USE WITH SIX BOLT HOLE CRANKSHAFT @USE WITH EIGHT BOLT HOLE CRANKSHAFT														
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING														
1A	**5188030**	GEAR (1.4010)										1				
		9.1207 - SEAL, FLYWHEEL OIL														
1A,B	**5173384**	SEAL										1				
1A,B	**9413380**	RING, SNAP										1				
		9.1210 - BEARING, FLYWHEEL PILOT														
1A,B	**907084**	BEARING (N.D. 99507LIC) (8.1450)	1	1	1	1		1		1	1	1	1	1	1	1
		9.1211 - RETAINER, PILOT BEARING														
1A,B	**5120753**	RETAINER (1.4001)	1	1	1	1		1		1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 896	897	898	899	917	923	925	936	937	938	939	940	941	942
		9.1215 - PIN, FORWARD CLUTCH														
1A.	**5120017**	PIN (9.1025)	1	1	1	1		1		1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8966	8967	8968	8969	9017	9023	9025	9036	9037	9038	9039	9040	9041	9042
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY RELEA SE														
1A	**5189539**	BOLT, 1/2"-13X1.38"	3	3	3	3		3		3	3	3	3	3	3	3
	114505	NUT, 1/2"-13 (12.9120)	3	3	3	3		3		3	3	3	3	3	3	3
		9.1225 - PISTON, FORWARD CLUTCH														
1A	**5189542**	PISTON	1	1	1	1		1		1	1	1	1	1	1	1
		9.1230 - SEAL KIT, FORWARD CLUTCH PISTON														
		INCLUDES ONE INNER AND ONE OUTER SEAL AND EXPANDER (NOT SOLD SEPARATELY.														
	5192288	SEAL KIT (ALLISON GEAR)	1	1	1	1				1	1	1	1	1	1	1
		9.1235 - PLATE, FORWARD CLUTCH DISC														
		INCLUDES SPRING IN 9.1237														
	5101603	PLATE ASSY.	1	1	1	1				1	1	1	1	1	1	1
		9.1237 - SPRING, FORWARD CLUTCH DISC PLATE														
	2007110	SPRING	12	12	12	12				12	12	12	12	12	12	12
		9.1240 - SPRING, FORWARD CLUTCH RELEASE														
	6701093	SPRING	16	16	16	16				16	16	16	16	16	16	16
		9.1245 - PLATE, FORWARD CLUTCH REACTION														
1A	**5182407**	PLATE (MH GEAR)	1	1	1	1		1		1	1	1	1	1	1	1
1A	**5171419**	PLATE (M GEAR)														
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	16	16	16	16		16		16	16	16	16	16	16	16
	103321	LOCKWASHER, 3/8" (12.9200)	16	16	16	16		16		16	16	16	16	16	16	16
		9.1265 - VALVE, FORWARD CLUTCH DUMP														
1A	**5119848**	VALVE	1	1	1	1		1		1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8966	8967	8988	8999	9177	9223	9255	9366	9377	9388	9399	9401	9411	9422
		9.1270 - SPRING, FORWARD CLUTCH														
1A	**5156815**	SPRING	1	1	1	1		1		1	1	1	1	1	1	1
		9.1275 - COVER, FORWARD CLUTCH DUMP VALUE SPR ING														
	5119824	PLUG (7/8")	1	1	1	1		1		1	1	1	1	1	1	1
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR)														
		SEE ASSEMBLY BREAKDOWN PAGE D1.														
2D	**5112512**	STRAINER ASSY. (INLINE TYPE)	1	1	1	1				1	1	1	1	1	1	1
		9.1775 - TUBE, OIL PRESSURE GAGE														
	5131604	HOSE, FLEX. (15 21/32" L.)	1	1	1	1	1		1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)	1	1	1	1	1		1	1	1	1	1	1	1	1
	1508350	FITTING RESTRICTION (7.4074)	1	1	1	1	1		1	1	1	1	1	1	1	1
	118748	CONNECTOR, 1/4" TUBE (12.9380)					1		1							

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 984	985	986	987	988	989	990	991	992	993	994	995	996
		9.1001 - GEAR ASSY., HYDRAULIC MARINE													
		▪ FOR TYPE 977 USE TYPE 1011.▪													
		▪ FOR TYPE 978 USE TYPE 1012.▪													
		▪ FOR TYPE 979 USE TYPE 1013.▪													
		▪ FOR TYPE 981 USE TYPE 1014.▪													
		▪ FOR TYPE 982 USE TYPE 1015.▪													
		▪ FOR TYPE 983 USE TYPE 1016.▪													
10A	**8921431**	* GEAR ASSY. (3:1 MG 514 R.H.) (TWIN DISC #36947)	1												
10A	**8921460**	* GEAR ASSY. (4.5:1 MG 514 R.H.) (TWIN DISC #36507)		1											
10A	**8921442**	* GEAR ASSY. (3:1 MG 514 L.H.) (TWIN DISC #36498)			1										
10A	**8921443**	* GEAR ASSY. (2:1 MG 514 L.H.) (TWIN DISC #36490)				1									
10A	**8921458**	* GEAR ASSY. (4.13:1 MG 514 R.H.) (TWIN DISC #36503)					1								
10A	**8921464**	* GEAR ASSY. (6:1 MG 514 R.H.) (TWIN DISC #36514)						1							
10A	**8921462**	* GEAR ASSY. (5.16:1 MG 514 R.H.) (TWIN DISC #36511)							1						
10A	**8921449**	* GEAR ASSY. (2:1 MG 514 R.H.) (TWIN DISC #36489)								1					
10A	**8921450**	* GEAR ASSY. (2:1 MG 514 R.H.) (TWIN DISC #36491)									1				
10A	**8921451**	* GEAR ASSY. (1.51:1 MG 514 R.H.) (TWIN DISC #36485)										1			
10A	**8921452**	* GEAR ASSY. (1.51:1 MG 514 L.H.) (TWIN DISC #36486)											1		
10A	**8921453**	* GEAR ASSY. (2:1 MG 514 R.H.) (TWIN DISC #36489)												1	
10A	**8921454**	* GEAR ASSY. (2:1 MG 514 L.H.) (TWIN DISC #36490)													1
	5170507	DECAL	1	1	1	1	1	1	1	1	1	1	1	1	1
	427564	BOLT, 7/16"-14 X 1 3/8" (12.9001)	11	11	11	11	11	11	11	11	11	11	11	11	11
	442733	BOLT, 1/2"-13 X 1 1/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8	8
	103322	LOCKWASHER, 7/16" (12.9200)	11	11	11	11	11	11	11	11	11	11	11	11	11
	103323	LOCKWASHER, 1/2" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8	8
		* NOT SERVICED BY DDA. PROCURE ASSEMBLY OR COMPONENTS THRU TWIN DISC INC. 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.													
		9.1775 - TUBE, OIL PRESSURE GAGE													
	5131604	HOSE, 1/2" I.D. X 15 21/32" L. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1	1
	112877	BUSHING, 1/4" X 1/8" RED. (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1	1
	118748	CONNECTOR, 1/4" TUBE (12.9380)	1	1	1	1	1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9997	9998	9999	10000	10001	10002	10003	10004	10009	10010	10011	10012	10013
		9.1001 - GEAR ASSY., HYDRAULIC MARINE													
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. A GEAR ASSY. DOES NOT INCLUDE FLYWHEEL, FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING.													
10A	**8921455**	* GEAR ASSY. (2.5:1 MG 514 R.H.) (TWIN DISC #36493)	1												
10A	**23010185**	GEAR ASSY. (1.97:1 MH20R) (ALLISON) (PAGE F1)									1	1			
10A	**8921456**	* GEAR ASSY. (2.5:1 MG 514 L.H.) (TWIN DISC #36494)		1											
10A	**23010183**	GEAR ASSY. (1.54:1 MH15R R.H.) (ALLISON) (PAGE F1)											1		
10A	**8921457**	* GEAR ASSY. (3:1 MG 514 L.H.) (TWIN DISC #36498)			1										
10A	**23010186**	GEAR ASSY. (1.97:1 MH20L L.H.) (ALLISON) (PAGE F1)												1	
10A	**8921459**	* GEAR ASSY. (4.13:1 MG 514 L.H.) (TWIN DISC #36504)				1									
10A	**23010184**	GEAR ASSY. (1.54:1 MH15L L.H.) (ALLISON) (PAGE F1)													1
10A	**8921461**	* GEAR ASSY. (4.5:1 MG 514 L.H.) (TWIN DISC #36508)					1								
10A	**8921463**	* GEAR ASSY. (5.16:1 MG 514 L.H.) (TWIN DISC #36512)						1							
10A	**8921465**	* GEAR ASSY. (6:1 MG 514 L.H.) (TWIN DISC #36515)							1						
10A	**8921466**	* GEAR ASSY. (3:1 MG 514 R.H.) (TWIN DISC #36497)								1					
	5170507	DECAL	1	1	1	1	1	1	1	1	1	1	1	1	1
	5145014	PLUG, 3/8" (12.9550)									1	1	1	1	1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									12	12	12	12	12
	427564	BOLT, 7/16"-14 X 1 3/8" (12.9001)	11	11	11	11	11	11	11	11					
	442733	BOLT, 1/2"-13 X 1 1/4" (12.9001)	8	8	8	8	8	8	8	8					
	103321	LOCKWASHER, 3/8" (12.9200)									12	12	12	12	12
	103322	LOCKWASHER, 7/16" (12.9200)	11	11	11	11	11	11	11	11					
	103323	LOCKWASHER, 1/2" (12.9200)	8	8	8	8	8	8	8	8					
		* NOT SERVICED BY DDA. PROCURE THRU TWIN DISC INC. 1328, RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.													
		9.1012 - SEAL, REVERSE GEAR HOUSING ADAPTER													
	5178041	SEAL RING 2" I.D.									1	1	1	1	1
	5178869	RETAINER									1	1	1	1	1
		9.1015 - GASKET, REVERSE GEAR HOUSING													
	5170683	GASKET									1	1	1	1	1
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR													
	5101091	FLYWHEEL ASSY.									1	1	1	1	1
	5150130	PLUG (VERTICAL OIL PASSAGE) (1.1001)									1	1	1	1	1
	272480	PIN, 3/8"X1/4" DOWEL (12.9290)									1	1	1	1	1
	9412017	BOLT, 9/16"-18X3 1/2" (LOCK) (12.9001)									11	11	11	11	11

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 997	998	999	1000	1001	1002	1003	1004	1009	1010	1011	1012	1013
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING													
	5184773	GEAR (1.4010)									1	1	1	1	1
		9.1207 - SEAL, FLYWHEEL OIL													
	5173384	SEAL									1	1	1	1	1
	9413380	RING, SNAP									1	1	1	1	1
		9.1210 - BEARING, FLYWHEEL PILOT													
	907084	BEARING (8.1450)									1	1	1	1	1
		9.1211 - RETAINER, PILOT BEARING													
	5100532	RETAINER (1.4001)									1	1	1	1	1
		9.1215 - PIN, FORWARD CLUTCH													
	5120017	PIN (9.1025)									3	3	3	3	3
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY ENGAGEMENT													
	5111393	BOLT, 1/2"-13X2 1/2"									3	3	3	3	3
	102637	NUT, 1/2"-13 (12.9120)									3	3	3	3	3
		9.1225 - PISTON, FORWARD CLUTCH													
	5189542	PISTON									1	1	1	1	1
		9.1230 - SEAL KIT, FORWARD CLUTCH PISTON													
		SEAL KIT INCLUDES ONE INNER AND ONE OUTER SEAL AND EXPANDER NOT SOLD SEPARATELY.													
	5192288	SEAL KIT (ALLISON GEAR)									1	1	1	1	1
		9.1235 - PLATE, FORWARD CLUTCH													
	5101603	PLATE ASSY. (14.312" DIA. HEAVY DUTY)									1	1	1	1	1
	5104697	PLATE ASSY. (14.312" DIA. HEAVY DUTY)										1	1		
		9.1240 - SPRING, FORWARD CLUTCH RELEASE													
	6701093	SPRING (9.1055)									16	16	16	16	16
		9.1245 - PLATE, FORWARD CLUTCH REACTION													
	5182407	PLATE									1	1	1	1	1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)									16	16	16	16	16
	103321	LOCKWASHER, 3/8" (12.9200)									16	16	16	16	16

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 997	998	999	1000	1001	1002	1003	1004	1009	1010	1011	1012	1013
		9.1265 - VALVE, FORWARD CLUTCH DUMP													
	5119848	VALVE									1	1	1	1	1
		9.1270 - SPRING, FORWARD CLUTCH DUMP VALVE													
	5156815	SPRING (4.1690)									1	1	1	1	1
		9.1275 - COVER, FORWARD CLUTCH PUMP VALVE SPRING													
	5119824	PLUG, 7/8"									1	1	1	1	1
		9.1650 - STRAINER ASSY, OIL (MARINE GEAR)													
		STRAINER ASSY. INCLUDES ITEMS IN 9.1655, 9.1670, 9.1675 AND 9.1680.													
	5112512	STRAINER ASSY. ("IN LINE" TYPE)									1	1	1	1	1
		9.1655 - ELEMENT, OIL STRAINER													
	5574252	ELEMENT									1	1	1	1	1
		9.1670 - SHELL, OIL STRAINER													
	5112513	BODY									1	1	1	1	1
		9.1675 - COVER, OIL STRAINER													
	5112510	COVER									1	1	1	1	1
	186624	BOLT, 3/8"-24X1 1/4" (12.9001)									3	3	3	3	3
	103321	LOCKWASHER, 3/8" (12.9200)									3	3	3	3	3
		9.1680 - GASKET, OIL STRAINER COVER													
	5112511	GASKET									1	1	1	1	1
		9.1775 - TUBE, OIL PRESSURE GAGE													
	5131604	HOSE, 1/2" I.D. X 15 21/32" L. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1	1
	112877	BUSHING, 1/4" X 1/8" RED. (12.9570)	1	1	1	1	1	1	1	1					
	118748	CONNECTOR, 1/4" TUBE (12.9380)	1	1	1	1	1	1	1	1					
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)									1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1014	1015	1016	1021	1022	1024	1025	1026	1027	1028	1029	1030
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. A GEAR ASSY. DOES NOT INCLUDE FLYWHEEL, FORWARD CLUTCH HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING.												
10A	23010186	GEAR ASSY. (1.97:1 MH20L L.H.) (ALLISON) (PAGE F1)	1											
10A	23010183	GEAR ASSY. (1.54:1 MH15R R.H.) (ALLISON) (PAGE F1)		1										
10A	23010184	GEAR ASSY (1.54:1 MH15L L.H.) (ALLISON) (PAGE F1)			1									
10B	8922697	* GEAR ASSY. (1.51:1 TD MG-507 R.H.) (TWIN DISC #S-4724)				1								
10B	8922698	* GEAR ASSY. (1.98:1 TD MG-507 R.H.) (TWIN DISC #S-4727)					1							
10B	8923706	* GEAR ASSY. (3:1 TD MG-514 R.H. ROT.) (TWIN DISC #NGR 37097)						1						
10B	8923709	* GEAR ASSY. (4.5:1 TD MG-514 R.H. ROT.) (TWIN DISC #NGR 37097)							1					
10B	8923707	* GEAR ASSY. (4.13:1 TD MG-514 R.H. ROT.) (TWIN DISC #NGR 37099)								1				
10B	8923713	* GEAR ASSY. (6:1 TD MG-514 R.H. ROT.) (TWIN DISC #NGR 37105)									1			
10B	8923711	* GEAR ASSY. (5.16:1 MG-514 R.H. ROT.) (TWIN DISC #NGR 37097)										1		
10B	8923702	* GEAR ASSY. (2:1 TD MG-514 R.H. ROT.) (TWIN DISC #NGR 37094)											1	
10B	8923698	* GEAR ASSY. (1.5:1 MG-514 R.H. ROT.) (TWIN DISC #NGR 37090)												1
	5170507	DECAL (DIRECTIONAL)	1	1	1			1	1	1	1	1	1	1
	5145014	PLUG, 3/8" PIPE (12.9550)	1	1	1									
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				12	12							
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	12	12	12	20	20							
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)						11	11	11	11	11	11	11
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)						8	8	8	8	8	8	8
	103321	LOCKWASHER, 3/8" (12.9200)	12	12	12	20	20							
	103322	LOCKWASHER, 7/16" (12.9200)						11	11	11	11	11	11	11
	103323	LOCKWASHER, 1/2" (12.9200)						8	8	8	8	8	8	8
		* NOT SERVICED BY DDA. PROCURE THRU TWIN DISC INC. 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.												
		9.1012 - SEAL, REVERSE GEAR HOUSING ADAPTER OIL												
	5178041	SEAL RING, 3/16"-2" I.D.	1	1	1									
	5178869	RETAINER, SEAL RING	1	1	1									
		9.1015 - GASKET, REVERSE GEAR HOUSING												
	5170683	GASKET	1	1	1									
		9.1200 - FLYWHEEL ASSY; REVERSE GEAR												
		FLYWHEEL ASSY. INCLUDES PLUG AND PIN IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215, 9.1220, 9.1225 AND 9.1265 THRU 9.1275.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1014	1015	1016	1021	1022	1024	1025	1026	1027	1028	1029	1030
		9.1200 - FLYWHEEL ASSY; REVERSE GEAR (CONT'D)												
	5101091	FLYWHEEL ASSY.	1	1	1									
	5150130	PLUG (VERTICAL OIL PASSAGE) (1.1001)	1	1	1									
	272480	PIN, 3/8"X1/4" DOWEL (12.9290)	1	1	1									
	9412017	BOLT, 9/16"-18X3 1/2" (LOCK) (12.9001)	11	11	11									
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING												
	5184773	GEAR (1.4010)	1	1	1									
		9.1207 - SEAL, FLYWHEEL OIL												
	5173384	SEAL	1	1	1									
	9413380	RING, SNAP	1	1	1									
		9.1210 - BEARING, FLYWHEEL PILOT												
	907084	BEARING (8.1450)	1	1	1									
		9.1211 - RETAINER, PILOT BEARING												
	5100532	RETAINER (1.4001)	1	1	1									
		9.1215 - PIN, FORWARD CLUTCH												
	5120017	PIN (9.1025)	3	3	3									
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY ENGAGEMENT												
	5111393	BOLT, 1/2"-13X2 1/2" (12.9001)	3	3	3									
	102637	NUT, 1/2"-13 (12.9120)	3	3	3									
		9.1225 - PISTON, FORWARD CLUTCH												
	5189542	PISTON	1	1	1									
		9.1230 - SEAL KIT, FORWARD CLUTCH PISTON												
		SEAL KIT INCLUDES ONE INNER AND ONE OUTER SEAL AND EXPANDER NOT SOLD SEPARATELY.												
	5192288	SEAL KIT (ALLISON GEAR)	1	1	1									
		9.1235 - PLATE, FORWARD CLUTCH												
	5101603	PLATE ASSY. (14.312" DIA. HEAVY DUTY)	1	1	1									

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10141	10151	10161	10211	10222	10244	10255	10266	10277	10288	10299	10300
		9.1240 - SPRING, FORWARD CLUTCH RELEASE												
	6701093	SPRING (9.1055)	16	16	16									

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1014	1015	1016	1021	1022	1024	1025	1026	1027	1028	1029	1030
		9.1245 - PLATE, FORWARD CLUTCH REACTION												
	5182407	PLATE	1	1	1									
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	16	16	16									
	103321	LOCKWASHER, 3/8" (12.9200)	16	16	16									
		9.1265 - VALVE FORWARD CLUTCH DUMP												
	5119848	VALVE	1	1	1									
		9.1270 - SPRING, FORWARD CLUTCH DUMP VALVE												
	5156815	SPRING (4.1690)	1	1	1									
		9.1275 - COVER, FORWARD CLUTCH DUMP VALVE SPRING												
	5119324	PLUG	1	1	1									
		9.1650 - STRAINER ASSY, OIL (MARINE GEAR)												
		STRAINER ASSY. INCLUDES ITEMS IN 9.1655, 9.1670, 9.1675 AND 9.1680.												
	5112512	STRAINER ASSY. ("IN LINE" TYPE)	1	1	1									
		9.1655 - ELEMENT, OIL STRAINER												
	5574252	ELEMENT	1	1	1									
		9.1670 - SHELL, OIL STRAINER												
	5112513	BODY	1	1	1									
		9.1675 - COVER, OIL STRAINER												
	5112510	COVER	1	1	1									
	186624	BOLT, 3/8"-24X1 1/4" (12.9001)	3	3	3									
	103321	LOCKWASHER, 3/8" (12.9200)	3	3	3									
		9.1680 - GASKET, OIL STRAINER COVER												
	5112511	GASKET	1	1	1									
		9.1775 - TUBE, OIL PRESSURE GAGE												
	5131604	HOSE, 15 21/32" L. (12.4065)	1	1	1			1	1	1	1	1	1	1
	5109271	HOSE, 3/16"X13 3/4" L. (12.4065)				1	1							
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)				1	1							
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)						1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)	1	1	1									
	120401	ELBOW, 1/8" ST 90 DEG. (12.9590)				1	1							
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	118748	CONNECTOR, 1/4" FLD. (12.9380)						1	1	1	1	1	1	1
	5136240	PLUG, CAP .42" DIA. (2.2001)				1	1							

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. A GEAR ASSY. DOES NOT INCLUDE FLYWHEEL, FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING.												
10B	8923699	* GEAR ASSY. (1.5:1 TD MG-514 L.H. ROT.) (TWIN DISC #NGR 37091)	1											
10B	8923700	* GEAR ASSY. (2:1 TD MG-514 R.H. ROT.) (TWIN DISC #NGR 37092)		1										
10B	8923701	* GEAR ASSY. (2.1 TD MG-514 L.H. ROT.) (TWIN DISC #37093)			1									
10B	8923703	* GEAR ASSY. (2.5:1 TD MG-514 R.H. ROT.) (TWIN DISC #NGR 37095)				1								
10B	8923704	* GEAR ASSY. (2.5:1 TD MG-514 R.H. ROT.) (TWIN DISC #NGR 37096)					1							
10B	8923705	* GEAR ASSY. (3:1 TD MG-514 L.H. ROT.) (TWIN DISC #NGR 37098)						1						
10B	8923708	* GEAR ASSY. (4.13:1 TD MG-514 L.H. ROT.) (TWIN DISC #NGR 37100)							1					
10B	8923710	* GEAR ASSY. (4.5:1 TD MG-514 L.H. ROT.) (TWIN DISC #NGR 37102)								1				
10B	8923712	* GEAR ASSY. (5.16:1 TD MG-514 L.H. ROT.) (TWIN DISC #NGR 37104)									1			
10B	8923714	* GEAR ASSY. (6:1 TD MG-514 L.H. ROT.) (TWIN DISC #NGR 37106)										1		
10B	8923435	* GEAR ASSY. (2:1 TD MG-518 R.H. ROT.) (TWIN DISC #37071)											1	
10B	8923436	* GEAR ASSY. (5:1 TD MG-518 R.H. ROT.) (TWIN DISC #37072)												1
	5170507	DECAL (DIRECTIONAL)	1	1	1	1	1	1	1	1	1	1	1	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	11	11	11	11	11	11	11	11	11	11		
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)	8	8	8	8	8	8	8	8	8	8		
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)												16
	179888	BOLT, 1/2"-13X1 7/8" (12.9001)											16	
	271562	BOLT, 5/8"-11X2" (12.9001)												6
	271563	BOLT, 5/8"-11X2 1/4" (12.9001)											6	
	103322	LOCKWASHER, 7/16" (12.9200)	11	11	11	11	11	11	11	11	11	11		
	103323	LOCKWASHER, 1/2" (12.9200)	8	8	8	8	8	8	8	8	8	8	16	16
	103325	LOCKWASHER, 5/8" (12.9200)											6	6
		* NOT SERVICED BY DDA. PROCURE THROUGH TWIN DISC INC. 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042
		9.1775 - TUBE, OIL PRESSURE GAGE												
	5131604	HOSE, 15 21/32" L. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)	1	1	1	1	1	1	1	1	1	1	1	
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1	1	
	118748	CONNECTOR, 1/4" FLD. (12.9380)	1	1	1	1	1	1	1	1	1	1	1	

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1043	1044	1054	1055	1056	1057	1058	1059	1060	1062
	9.1001	**- GEAR ASSY., HYDRAULIC MARINE**										
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. A GEAR ASSY. DOES NOT INCLUDE FLYWHEEL, FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING.										
10B	**8923437**	* GEAR ASSY. (6:1 TD MG-518 R.H. ROT.) (TWIN DISC #37073)	1									
10B	**8923438**	* GEAR ASSY. (6.5:1 TD MG-518 R.H. ROT.) (TWIN DISC #37074)		1								
1B,10A	**6759693**	GEAR ASSY. (2:1 MH20R, R.H.) (PAGE E1) ALLISON			1							
1B,10A	**6759694**	GEAR ASSY. (2:1 MH20L L.H.)				1						
1A	**6883605**	GEAR ASSY. (1.5:1 M15L L.H.) (PAGE D1)					1					
1A	**6883607**	GEAR ASSY. (2:1 M20L L.H.) (PAGE D1)						1				
1A	**6883606**	GEAR ASSY. (1.5:1M15R) (PAGE D1)							1			
1A	**6883608**	GEAR ASSY. (2:1 M20R) (PAGE D1)								1		
1B,10A	**6759702**	GEAR ASSY. (2.5:1 MH25R) (PAGE D1)									1	
10B	**8923903**	* GEAR ASSY. (4.13:1 TD MG-514 R.H. ROTATION (TWIN DISC #37099)										1
	5145014	PLUG, 3/8"-18 PIPE (12.9550)			1	1					1	
	5170507	DECAL, ROTATION DIRECTION (ARROW)			1	1	1	1	1	1	1	1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			12	12	12	12	12	12	12	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)										11
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)										11
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)	16	16								
	271562	BOLT, 5/8"-11X2" (12.9001)	6	6								
	103321	LOCKWASHER, 3/8" (12.9200)			12	12	12	12	12	12	12	
	103322	LOCKWASHER, 7/16" (12.9200)										11
	103323	LOCKWASHER, 1/2" (12.9200)	16	16								8
	103325	LOCKWASHER, 5/8" (12.9200)	6	6								
		* NOT SERVICED BY DDA. PROCURE THROUGH TWIN DISC INC. 1328 RACINE ST., RACINE, WIS. 53403 USING THEIR PART NUMBER SHOWN IN PARENTHESES.										
		A FLYWHEEL ASSY. INCLUDES ITEMS IN 9.1200, 9.1205, 9.1207, 9.1210, 9.1215, 9.1220, 9.1225, 9.1265, 9.1270, 9.1275.										
	9.1015	**- GASKET, REVERSE GEAR HOUSING**										
	5170683	GASKET			1	1	1	1	1	1	1	
	9.1017	**- CONVERSION KIT, MARINE GEAR**										
		A KIT CONSISTS OF ITEMS IN 9.1015, 9.1030, 9.1140, 9.1230, 9.1280, 9.1370, 9.1390.										
	5193753	KIT, GASKET			AR	AR	AR	AR	AR	AR	AR	
	9.1035	**- SEAL, REVERSE CLUTCH PISTON**										
		A KIT CONSISTS OF ONE EACH LARGE SEAL AND EXPANDER AND ONE EACH SMALL SEAL AND EXPANDER, NOT SOLD SEPARATELY.										
	5192289	SEAL KIT			1	1	1	1	1	1	1	

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1043	1044	1054	1055	1056	1057	1058	1059	1060	1062
		9.1086 - REPAIR KIT, PLANETARY GEAR										
		A REPAIR KIT INCLUDES ITEMS IN 9.1083 AND 9.1084.										
	5194835	REPAIR KIT			AR	AR	AR	AR	AR	AR	AR	
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR										
		A FLYWHEEL ASSY. INCLUDES ITEMS IN 9.1200, 9.1205, 9.1207, 9.1210, 9.1215, 9.1220, 9.1225, 9.1265, 9.1270 &1A,B										
	5150130	PLUG, 5/16" CUP (1.1001)			1	1	1	1	1	1	1	
	5119824	PLUG			1	1	1	1	1	1	1	
	141236	PIN (PLUG) (HORIZONTAL OIL PASSAGE) (12.9290)			1	1	1	1	1	1	1	
	5189539	BOLT, 1/2"-13X1.38" (9.1220)			3	3	3	3	3	3	3	
	114505	NUT, 1/2"-13 (12.9120)			3	3	3	3	3	3	3	
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING										
1A,B	5188030	GEAR (1.4010)			1	1	1	1	1	1	1	
		9.1203 - FLYWHEEL AND FORWARD CLUTCH KIT										
		INCLUDES 5119849 FLYWHEEL AND PISTON ASSY., PLUS LOCK BOLTS IN 9.1200 AND ITEMS IN 9.1211, 9.1235, 9.1237 AND 9.1240.										
	5196134	KIT (DUMP VALVE TYPE)			1	1	1	1	1	1	1	
		9.1207 - SEAL, FLYWHEEL OIL										
1A,B	9413380	RING, SNAP			1	1	1	1	1	1	1	
1A,B	5173384	SEAL			1	1	1	1	1	1	1	
		9.1210 - BEARING, FLYWHEEL PILOT										
1A,B	907084	BEARING (N.D. Z99507LIC) (8.1450)			1	1	1	1	1	1	1	
		9.1211 - RETAINER, PILOT BEARING										
1A,B	5120753	RETAINER (1.4001)			1	1	1	1	1	1	1	
	5103250	BOLT, 9/16"-18X2 3/4" (1.4001)			8	8	8	8	8	8	8	
		9.1215 - PIN, FORWARD CLUTCH										
1A,B	5120017	PIN (9.1025)			3	3	3	3	3	3	3	
		9.1225 - PISTON, FORWARD CLUTCH										
1A,B	5189542	PISTON			1	1	1	1	1	1	1	

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1043	1044	1054	1055	1056	1057	1058	1059	1060	1062
		9.1230 - SEAL, FORWARD CLUTCH PISTON										
		A SEAL KIT CONSISTS OF ONE INNER SEAL AND EXPANDER AND ONE OUTER SEAL AND EXPANDER WHICH ARE NOT SOLD SEPARATELY.										
1A,B	**5192288**	SEAL KIT (ALLISON GEAR)			1	1	1	1	1	1	1	
		9.1235 - PLATE, FORWARD CLUTCH										
		INCLUDES SPRING IN 9.1237.										
1A,B	**5101603**	PLATE ASSY.			1	1	1	1	1	1	1	
		9.1237 - SPRING, FORWARD CLUTCH PLATE										
	2007110	SPRING (8.1037)			12	12	12	12	12	12	12	
		9.1240 - SPRING, FORWARD CLUTCH RELEASE										
1A,B	**6701093**	SPRING (9.1055)			16	16	16	16	16	16	16	
		9.1245 - PLATE, FORWARD CLUTCH REACTION										
1A,B	**5182407**	PLATE (MH GEAR)			1	1					1	
1A	**5171419**	PLATE (M GEAR)					1	1	1	1		
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			16	16	16	16	16	16	16	
	103321	LOCKWASHER, 3/8" (12.9200)			16	16	16	16	16	16	16	
		9.1265 - VALVE, FORWARD CLUTCH DUMP										
1B	**5119848**	VALVE			1	1	1	1	1	1	1	
		9.1270 - SPRING, FORWARD CLUTCH DUMP VALVE										
1B	**5156815**	SPRING (4.1690)			1	1	1	1	1	1	1	
		9.1650 - STRAINER ASSY., OIL MARINE GEAR										
		STRAINER ASSY. INCLUDES ITEMS IN 9.1655, 9.1670, 9.1675 AND 9.1680.										
2D,3B	**5112512**	STRAINER ASSY. (IN LINE TYPE)			1	1	1	1	1	1	1	
		9.1655 - ELEMENT, OIL STRAINER										
3B	**5574252**	ELEMENT			1	1	1	1	1	1	1	
		9.1670 - SHELL, OIL STRAINER										
3B	**5112513**	SHELL			1	1	1	1	1	1	1	

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10431	10444	10541	10555	10556	10557	10558	10559	10600	10622
		9.1675 - COVER, OIL STRAINER										
3B	**5112510**	COVER			1	1	1	1	1	1	1	
3B	**186624**	BOLT, 5/16"-18X1 1/4 (12.9001)			3	3	3	3	3	3	3	
3B	**103320**	LOCKWASHER, 5/16" (12.9200)			3	3	3	3	3	3	3	
		9.1680 - GASKET, OIL STRAINER COVER										
3B	**5112511**	GASKET			1	1	1	1	1	1	1	
		9.1775 - TUBE, OIL PRESSURE GAGE FOR CUSTOMER GAGE CONNECTOR TO SELECTOR VALVE HOUSING FLANGE										
	5131604	HOSE, 15 21/32" L. (12.4065)	1	1								1
	8923859	HOSE, 13" L.			1	1	1	1	1	1	1	1
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)	1	1								
	1508350	FITTING, RESTRICTION (7.4074)	1	1	1	1	1	1	1	1	1	1
	118748	CONNECTOR, 1/4" FLD. (12.9380)	1	1								1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL														
2D	**5112419**	PUMP ASSY. (EATON)	1													
2D	**5182823**	+ PUMP ASSY. (EATON)		1												
2D	**5140373**	PUMP ASSY. (HYDRECO)			1											
		+ NOT SERVICED, USE 5112419 PLUS SD-71 DRAWING.														
		9.1484 - DOWELLED PARTS ASSEMBLY, *HYDRAULIC PUMP*														
		A DOWELLED PARTS ASSEMBLY *INCLUDES BODY AND COVER*, SOLD ONLY AS PART OF DOWELLED PARTS ASSY., ALSO INCLUDES BUSHING IN 9.1486 AND SEALS AND GASKETS IN 9.1505.														
2B	**5193438**	* DOWEL PARTS ASSY.		1												
	5198670	DOWEL		2												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		3												
	190911	BOLT, 3/8"-16X2 7/8" (12.9001)		1												
	191249	BOLT, 3/8"-16X3 3/4"			4											
	9037279	WASHER, SPL. 13/32"X21/32"X1/16"			4											
		* NOT SERVICED, USE PUMP ASSY. 5192823 FOR 12V-71 AND 16V-71 TANDEM; REPLACE WITH 5112419 FOR ALL OTHER USAGE. WHEN REPLACING WITH 5112419 IT IS NECESSARY TO CHANGE THE INLET AND OUTLET LINES.														
	103321	LOCKWASHER, 3/8" (12.9200)		AR	4											
		9.1485 - BODY, HYDRAULIC PUMP														
		A BODY ASSY. INCLUDES ITEMS IN 9.1486 AND 9.1505.														
2A	**5194906**	BODY ASSY.	1													
1B	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)	3													
	122201	BOLT, 3/8"-16X2 3/4" (12.9001)	1													
	5111798	PLUG, 1" ADAPTOR (12.9550)	1													
	103321	LOCKWASHER, 3/8" (12.9200)	AR													
		9.1486 - BUSHING, HYDRAULIC PUMP BODY														
2A,B	**5193436**	BUSHING (BODY)	2	2												
2A,B	**5193184**	BUSHING (ROTOR POCKET)	1	1												
		9.1490 - COVER, HYDRAULIC PUMP														
2A	**5194905**	COVER	1													
2A	**5198670**	DOWEL	2													
	5149131	DOWEL, PIN 3/8"X2 1/4"			2											

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1495 - GASKET, HYDRAULIC PUMP														
2A,B	**5193135**	SEAL	1	1												
		9.1500 - ROTOR SET, HYDRAULIC PUMP														
		A ROTOR SET INCLUDES INNER AND OUTER ROTORS SOLD ONLY AS AN ASSEMBLY.														
2A	**5193145**	ROTOR SET	1	1												
		9.1505 - SEAL, HYDRAULIC PUMP OIL														
2A	**5196038**	SEAL (SINGLE LIP) (.875" DIA. SHAFT) (BODY)	2													
2A	**5196039**	SEAL (SINGLE LIP) (.625" DIA. SHAFT)	1	1												
2B	**5194667**	SEAL (BODY, ENGINE END)			1											
2C	**5149120**	SEAL (BODY, ENGINE END)			1											
2C	**9033677**	SEAL (BODY, ENGINE END)			1											
2C	**5149134**	SEAL (TACH. DR.)			2											
2C	**5149133**	SEAL (COVER END)			1											
2C	**5149122**	SEAL (BODY, ENGINE END)			1											
2C	**5149130**	SEAL (PUMP)			1											
2B	**5192268**	GASKET	1	1												
2C	**5149121**	PLATE, WEAR			1											
2C	**5149123**	RING, BACK UP			1											
2C	**5149124**	RING, BACK UP			1											
		9.1510 - SHAFT, HYDRAULIC PUMP														
2A	**5194912**	SHAFT	1													
2B	**5193143**	SHAFT		1												
2C	**5149127**	SHAFT, DRIVE			1											
2C	**5149125**	SHAFT, DRIVEN			1											
2A	**5193139**	PIN	1													
	5195199	PIN, DRIVE	1													
2C	**5149139**	PIN, DRIVE			1											
2B	**103719**	PIN, 3/16"X3/8" STRAIGHT (12.9300)		1												
2A,B	**5192273**	RING, SNAP	3	3												
	104919	BALL, 5/16" DIA. STEEL (12.9670)			1											
	5149129	KEY, 5/32"X3/4"			1											
		9.1520 - VALVE, HYDRAULIC PUMP														
2A	**5195508**	VALVE ASSY.	1													
2C	**5149138**	CAP, ADAPTOR VALVE			1											
2C	**5149144**	CAP			1											

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1520 - VALVE, HYDRAULIC PUMP (CONT'D)														
2C	**5149146**	PLUG			1											
2C	**131014**	WASHER, #6 PLAIN CAD. PL. (12.9190)			1											
		9.1525 - SPRING, HYDRAULIC PUMP VALVE														
2A	**5194913**	SPRING, FLOW CONTROL	1													
2C	**5149135**	SPRING, GUIDE			1											
2C	**5149136**	SPRING			1											
2C	**5149137**	SPRING			1											
2C	**5149143**	PLUNGER			1											
2C	**5149147**	SLEEVE			1											
2C	**5149145**	PLUG			1											
2C	**5149132**	SEAL			1											
2C	**5149142**	SEAL			1											
2C	**5149140**	SEAL			1											
2C	**5149141**	SEAL			1											
		9.1530 - SCREW, HYDRAULIC PUMP VALVE														
2A	**5194914**	SCREW, VALVE	1													
2C	**9037321**	SCREW, ADJUSTING			1											
2A	**5194918**	ADAPTOR, VALVE SCREW	1													
2C	**9023393**	NUT, ACORN 1/2"X20			1											
	114496	NUT, 1/2"-20 (12.9120)			1											
		9.1535 - GASKET, HYDRAULIC PUMP VALVE SCREW														
2A	**120428**	GASKET, 1" COPPER (12.9360)	2													
2C	**5149148**	SPACER			1											
	9033418	WASHER, SPL. .026" COPPER			2											

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1778 - FILTER ASSY., OIL														
2D	**5129129**	FILTER ASSY.	1													
		9.1780 - ELEMENT, OIL FILTER														
		INCLUDES GASKET IN 9.1785.														
3A	**5574978**	ELEMENT (TYPE PF-147) (4.2250)	1													
		9.1781 - SHELL, OIL FILTER														
3A	**5574906**	SHELL ASSY. (INCLUDES PLUG) (4.2280)	1													
3A	**5570480**	PLUG (2.3050)	1													
		9.1782 - ADAPTOR, OIL FILTER														
3A	**5123382**	ADAPTOR (4.2290)	1													
3A	**444692**	PLUG, 1/4" PIPE (12.9550)	1													
		9.1785 - GASKET, OIL FILTER COVER														
3A	**5571024**	GASKET (4.2300)	1													
		9.1786 - SPRING, OIL FILTER														
3A	**5187308**	SPRING (4.2310)	1													
		9.1787 - RETAINER, OIL FILTER SPRING														
3A	**5187309**	RETAINER (4.2315)	1													
3A	**5120602**	RING, RETAINER SNAP (4.2315)	1													
		9.1788 - GASKET, OIL FILTER COVER NUT														
3A	**5573960**	GASKET	1													
3A	**5187310**	GASKET (4.2330)	1													
3A	**5154538**	WASHER (1.8182)	1													
		9.1789 - STUD, OIL FILTER CENTER														
3A	**5116427**	STUD	1													

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	9.1796	**- VALVE, OIL FILTER BY-PASS**														
3A	**5133431**	VALVE	1													
	9.1797	**- SPRING, OIL FILTER BY-PASS**														
3A	**5133594**	SPRING	1													
	9.1798	**- PLUG, OIL FILTER BY-PASS**														
3A	**5126686**	PLUG	1													
	9.1799	**- GASKET, OIL FILTER BY-PASS**														
3A	**5575086**	GASKET	1													

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1001 - GEAR ASSY., HYDRAULIC MARINE														
1B,10A	**6759691**	GEAR ASSY. (MH15R.,1.5:1 RED.)	1													
1B,10A	**6759692**	GEAR ASSY. (MH15L.,1.5:1 RED.)		1												
1B,10A	**6883466**	+ GEAR ASSY. (MH20R., 1.97:1 RED.) (23010185)			1											
1B,10A	**6883467**	+ GEAR ASSY. (MH20L., 1.97:1 RED.) (23010186)				1										
1B,10A	**6759695**	GEAR ASSY. (MH30R.,3:1 RED.)					1									
1A	**6883594**	GEAR ASSY. (M15L., 1.5:1 RED.)											1			
1B,10A	**6759696**	GEAR ASSY. (MH30L.,3:1 RED.)						1								
1A	**6883595**	GEAR ASSY. (M15R., 1.5:1 RED.)												1		
1B,10A	**6759697**	GEAR ASSY. (MH45R.,4.5:1 RED.)							1							
1A	**6883370**	GEAR ASSY. (M20L.,2.1 RED.)													1	
1B,10A	**6759698**	GEAR ASSY. (MH45L.,4.5:1 RED.)								1						
1A	**6883371**	GEAR ASSY. (M20R.,2.1 RED.)														1
1B,10A	**6759699**	GEAR ASSY. (MH37R.,3.75:1 RED.)									1					
1B,10A	**6759700**	GEAR ASSY. (MH37L.,3.75:1 RED.)										1				
		+ NOT SERVICED COMPONENTS ARE AVAILABLE FOR COMPLETE REPLACEMENT USE PART NUMBER IN PARENTHESES.														
		9.1010 - HOUSING ASSY., REVERSE GEAR														
		A HOUSING ASSY. INCLUDES NAME PLATE AND DRIVE SCREW PLUS ITEMS IN 9.1010, 9.1020, 9.1025 AND 9.1410.														
1B	**6833399**	HOUSING ASSY. (9.1001)	1	1	1	1	1	1	1	1	1	1				
	6883369	HOUSING ASSY.											1	1	1	1
	5111798	PLUG, 1" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
	6751923	PLUG, 2" DIA. CUP	1	1	1	1	1	1	1	1	1	1				
		9.1020 - SLEEVE, REVERSE GEAR HOUSING OIL TRANSFER														
1B	**6700509**	SLEEVE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1025 - PIN, REVERSE GEAR HOUSING CLUTCH DRIVE														
	6701077	PIN											3	3	3	3
1B	**5130672**	PIN	3	3	3	3	3	3	3	3	3	3				
		9.1030 - PISTON, REVERSE CLUTCH														
1B	**6700545**	PISTON	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1035 - SEAL KIT, REVERSE CLUTCH PISTON														
		A KIT CONSISTS OF ONE EACH LARGE SEAL AND EXPANDER AND ONE EACH SMALL SEAL AND EXPANDER, NOT SOLD SEPARATE														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1035 - SEAL KIT, REVERSE CLUTCH PISTON (CONT'D)														
	5192289	SEAL KIT											1	1	1	1
		9.1040 - GEAR, REVERSE RING														
1B	6751008	GEAR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1045 - PLATE, REVERSE CLUTCH DISC														
1B	6835329	PLATE ASSY.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1050 - RING, REVERSE CLUTCH DISC PLATE SNAP														
	6701070	RING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1055 - SPRING, REVERSE CLUTCH RELEASE														
1B	6701093	SPRING	16	16	16	16	16	16	16	16	16	16	16	16	16	16
		9.1060 - PLATE, REVERSE CLUTCH REACTION														
1B	6701049	PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	141198	PIN, 1/4"X13/16" DOWEL (12.9290)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	454512	PIN, 3/16X3/4 ROLL (12.9275)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		9.1065 - RING, CLUTCH REACTION PLATE SNAP														
1B	6700119	RING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1070 - GEAR, REVERSE SUN														
1B	6832276	GEAR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1075 - WASHER, REVERSE SUN GEAR THRUST														
1B	6701096	WASHER	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		9.1080 - GEAR ASSY., PLANETARY														
		A GEAR ASSY. CONSISTS OF ITEMS IN 9.1081 THRU 9.1084. (FOR REPAIR KIT SEE 9.1086.)														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1080 - GEAR ASSY., PLANETARY (CONT'D)														
	6750772	GEAR ASSY. (MARKED RS)	1		1		1		1		1		1	1		
	6700227	GEAR ASSY. (MARKED LP)		1		1		1		1		1			1	1
		9.1081 - CAGE, PLANETARY GEAR														
	6701082	COLLECTOR, OIL	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	6700217	BOLT	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	6700216	NUT	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		9.1082 - PINION, PLANETARY GEAR														
	6754554	SET, GEAR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1083 - BEARING, PLANETARY GEAR PINION														
	6700213	BEARING, NEEDLE	176	176	176	176	176	176	176	176	176	176	176	176	176	176
	6750998	WASHER, THRUST	16	16	16	16	16	16	16	16	16	16	16	16	16	16
		9.1084 - SHAFT, PLANETARY GEAR PINION														
	6701081	SHAFT, PINION	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	453606	BALL, 3/16" DIA., STEEL (12.9670)	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		9.1085 - WASHER, PLANETARY GEAR THRUST														
1B	**6770522**	WASHER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1090 - WASHER, PLANETARY GEAR RETAINING														
1B	**6700169**	WASHER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1095 - RING, PLANETARY GEAR SNAP														
1B	**6702989**	RING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1130 - SEAL, REVERSE GEAR DRIVE SHAFT BEARING HOUSING OIL														
	6700018	SEAL											1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1135 - VALVE ASSY., SELECTOR														
		A VALVE ASSY. INCLUDES ITEMS IN 9.1145 THRU 9.1170.														
1A,1B	**6700960**	VALVE ASSY.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1A,1B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1B	**103320**	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		9.1140 - GASKET, SELECTOR VALVE HOUSING														
1B	**6700965**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1145 - POPPET, SELECTOR VALVE														
1B	**6700233**	POPPET	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1150 - SPRING, SELECTOR VALVE POPPET														
1B	**6700181**	SPRING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1160 - SEAL, SELECTOR VALVE OIL														
1B	**5141005**	SEAL	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		9.1165 - SCREW, SELECTOR VALVE LOCATING														
1B	**6774506**	BOLT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1170 - WASHER, SELECTOR VALVE LOCATING SCREW														
1B	**5155596**	WASHER, 5/16" FLAT COPPER (12.9190)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1175 - LEVER, SELECTOR VALVE OPERATING														
1B	**5136170** *	LEVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1B	**6700226**	LEVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1B	**454894**	BOLT, 1/4"-20X3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		* REPLACES 6700226 LEVER WHEN AIR COMPRESSOR IS MOUNTED ON LEFT BANK CAMSHAFT.														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1300 - SHAFT, REVERSE GEAR PINION DRIVE														
		A SHAFT ASSY. INCLUDES TUBE AND RING IN 9.1300.														
1B	**6772039**	SHAFT ASSY.	1	1	1	1	1	1	1	1	1	1				
	6883368	SHAFT ASSY.											1	1	1	1
1B	**6701090**	TUBE (9.1100)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	274267	RING (9.1065)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1303 - KIT, TAPER BEARING														
		INCLUDES ITEMS IN 9.1304, 9.1320, 9.1335, 9.1365, 9.1370 AND 9.1435.														
	6883593	KIT											1	1		
	6883525	KIT													1	1
		9.1304 - GEAR, PINION AND REDUCTION MATCHED SET														
	6883598	PINION GEAR ASSY.											1	1		
	6883228	PINION GEAR ASSY.													1	1
		9.1305 - PINION, REDUCTION GEAR														
1B	**6751916**	PINION (3:1 RATIO - 25 TEETH)					1	1								
1B	**6752952**	PINION (3.75:1 RATIO - 21 TEETH)									1	1				
1B	**6751918**	PINION (4.5:1 RATIO - 18 TEETH)							1	1						
1B	**6751903**	PINION (2:1 RATIO - 33 TEETH)			1	1										
1B	**6751900**	PINION (1.5:1 RATIO - 39 TEETH)	1	1												
		9.1310 - GEAR, REDUCTION														
1B	**6700199**	GEAR (3:1 RATIO - 74 TEETH)					1	1								
1B	**6752953**	GEAR (3.75:1 RATIO - 78 TEETH)									1	1				
1B	**6700201**	GEAR (4.5:1 RATIO - 81 TEETH)							1	1						
	6700186	GEAR (1.5:1 RATIO - 38 TEETH)											1	1		
1B	**6751902**	GEAR (2:1 RATIO - 65 TEETH)			1	1										
	6700197	GEAR (2:1 RATIO - 43 TEETH)													1	1
1B	**6751899**	GEAR (1.5:1 RATIO - 60 TEETH)	1	1												
		9.1320 - BEARING, REDUCTION GEAR PINION														
	901314	BEARING (N.D. 1314X1A)	2	2	2	2	2	2	2	2	2	2				
	9437461	BEARING ASSY.											2	2	2	2

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1325 - WASHER, REDUCTION GEAR DRIVE SHAFT THRUST														
	6702989	RING, SNAP	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	6751913	WASHER (THRUST) (STEEL) (9.1085)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	6751912	WASHER (THRUST) (BRONZE) (9.1101)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1330 - RING, REDUCTION GEAR DRIVE SHAFT OIL SEAL														
1B	6700508	RING (9.1115)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		9.1335 - SLEEVE, REDUCTION GEAR PINION BEARIN G														
	6883121	SLEEVE											1	1	1	1
		9.1340 - SHAFT, REDUCTION GEAR DRIVE														
1B	6771998	SHAFT	1	1	1	1	1	1	1	1	1	1				
	6839022	SHAFT											1	1	1	1
		9.1345 - BEARING, REDUCTION GEAR DRIVE SHAFT PILOT														
1B	7450134	BEARING	1	1	1	1	1	1	1	1	1	1				
	7450076	BEARING											1	1	1	1
	6772000	LOCKNUT	1	1	1	1	1	1	1	1	1	1				
	6839023	LOCKNUT											1	1	1	1
		9.1350 - BEARING, REDUCTION GEAR DRIVE SHAFT THRUST														
1B	907662	BEARING	1	1	1	1	1	1	1	1	1	1				
	905312	BEARING (N.D. 5312)											1	1	1	1
		9.1355 - SLINGER, REDUCTION GEAR DRIVE SHAFT THRUST BEARING OIL														
	6700218	SLINGER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1360 - NOZZLE, REDUCTION GEAR OIL														
	6750371	NOZZLE	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1365 - COVER, REDUCTION GEAR BEARING														
	6751908	COVER	1	1	1	1	1	1	1	1	1	1				
	6883413	COVER											1	1	1	1
	6776799	COVER (OUTPUT SHAFT MATCHED SET BEARING)	1	1	1	1	1	1	1	1	1	1				
	180152	BOLT, 7/16"-14X1 7/8" (12.9001)	6	6	6	6	6	6	6	6	6	6				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	10	8	10	10	9	9	9	9	9	9	10	10	10	10
	180150	BOLT, 7/16"-14X1 5/8" (12.9001)					9	9	9	9	9	9				
	110730	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
		9.1370 - GASKET, REDUCTION GEAR BEARING COVER														
	6751909	GASKET (PINION SHAFT BEARING COVER)	1	1	1	1	1	1	1	1	1	1				
	6769466	+ GASKET (.013"-.017") (OUTPUT SHAFT COVER)	AR			AR	AR	AR	AR	AR	AR	AR				
	6883412	GASKET											1	1	1	1
	6883414	SHIM (.003)											AR	AR	AR	AR
	6883415	SHIM (.010)											AR	AR	AR	AR
	6883416	SHIM (.030)											AR	AR	AR	AR
	6769467	+ GASKET (.009"-.011")	AR			AR	AR	AR	AR	AR	AR	AR				
	6776800	GASKET (NEOPRENE)	1	1	1	1	1	1	1	1	1	1				
		+ SELECTIVE FIT, USE ONLY ON UNITS WITH "G" STAMPED ON GEAR NAME PLATE.														
		9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL														
	6700157	SEAL (BEARING SET 907662)	2	2	2	2	2	2	2	2	2	2				
		9.1380 - BAFFLE, REDUCTION GEAR OIL														
1B	6700239	BAFFLE	1	1	1	1	1	1	1	1	1	1				
1B	6754291	BOLT, 3/8"-16X1/2" (12.9001)	3	3	3	3	3	3	3	3	3	3				
1B	103321	LOCKWASHER, 3/8" (12.9200)	3	3	3	3	3	3	3	3	3	3				
		9.1385 - SUMP, REDUCTION GEAR OIL														
	6884716	SUMP											1	1	1	1
	6750767	SUMP (DEEP)	1	1	1	1	1	1	1	1	1	1				
	103880	PLUG, 1/2" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
	5121182	PLUG, 1/4" PIPE (2.4015)											1	1	1	1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	12	12	12	12	12	12	12	12	12	12				
	186678	BOLT, 3/8"-16X1" (12.9001)											12	12	12	12
	110730	LOCKWASHER, 3/8" (12.9200)	12	12	12	12	12	12	12	12	12	12	12	12	12	12

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1390 - GASKET, REDUCTION GEAR OIL SUMP														
1B	**6838269**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1395 - DIPSTICK, REDUCTION GEAR														
1B	**6700237**	DIPSTICK (RING TYPE) (15" L.)	1	1	1	1	1	1	1	1	1	1				
	5179325	DIPSTICK (RING TYPE 13 5/8" L.)											1	1	1	1
		9.1400 - GUIDE, REDUCTION GEAR DIPSTICK														
	6700236	TUBE (2 5/8" L.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	6752353	BUSHING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1405 - GASKET, REDUCTION GEAR DIPSTICK														
	5150475	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1410 - TUBE, REDUCTION GEAR OIL FILLER														
	6751910	PIPE (2 1/2" L.) (8.1965)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1415 - CAP, REDUCTION GEAR OIL FILLER														
1B	**1528732**	CAP (8.1965)	1	1	1	1	1	1	1	1	1	1				
	6419440	CAP (8.1965)											1	1	1	1
		9.1430 - FLANGE, PROPELLER DRIVE														
1B	**6751915**	FLANGE	1	1	1	1	1	1	1	1	1	1				
	6701091	FLANGE											1	1	1	1
		9.1435 - NUT, PROPELLER DRIVE FLANGE														
1B	**6771999** #	NUT (.62" THICK)	1	1	1	1	1	1	1	1	1	1				
	6700015	NUT											1	1	1	1
	103396	PIN, 5/32"X1" COTTER (12.9250)											1	1	1	1
1B	**6751905**	NUT (.84" THICK)	1	1	1	1	1	1	1	1	1	1				

USE ONLY WITH BEARING SET 907662 IN 9.1350.

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1001 - GEAR ASSY., HYDRAULIC MARINE													
1B,10A	**6759689**	GEAR ASSY. (MH11R., 1.1:1 RED.)				1									
1B,10A	**6883464**	+ GEAR ASSY. (MH15R., 1.54:1 RED.) (23010183)					1								
1B,10A	**6759690**	GEAR ASSY. (MH11L., 1.1:1 RED.) (23010184)			1										
1B,10A	**6883465**	+ GEAR ASSY. (MH15L., 1.54:1 RED.)						1							
1B,10A	**6759701**	GEAR ASSY. (MH25L., 2.5:1 RED.)	1												
1B,10A	**6883468**	GEAR ASSY. (MH25R., 2.5:1 RED.)							1						
1B,10A	**6759702**	GEAR ASSY. (MH25R., 2.5:1 RED.)		1											
1B,10A	**6883469**	GEAR ASSY. (MH25L., 2.5:1 RED.)								1					
1A	**6883604**	GEAR ASSY. (M11R., 1.1 RED.)									1				
1A	**6883605**	GEAR ASSY. (M15L., 1.5:1 RED.)										1			
1A	**6883606**	GEAR ASSY. (M15R., 1.5:1 RED.)											1		
1A	**6883607**	GEAR ASSY. (M20L., 2.1 RED.)												1	
1A	**6883608**	GEAR ASSY. (M20R., 2.1 RED.)													1
		+ NOT SERVICED, COMPONENTS ARE AVAILABLE FOR COMPLETE REPLACEMENT USE PART NUMBER SHOWN IN PARENTHESES.													
		9.1010 - HOUSING ASSY., REVERSE GEAR													
		A HOUSING ASSY. INCLUDES NAME PLATE AND DRIVE SCREW PLUS ITEMS IN 9.1010, 9.1020, 9.1025 AND 9.1410.													
1B	**6754279**	HOUSING ASSY.	1	1	1	1	1	1	1	1					
	6883475	HOUSING ASSY.									1	1	1	1	1
	103879	PLUG, 3/8" PIPE (12.9550)			1	1									
	5111798	PLUG, 1" PIPE (12.9550)	1	1	1	1									
	6751923	PLUG, 2" DIA. CUP	1	1	1	1	1	1	1	1					
		9.1020 - SLEEVE, REVERSE GEAR HOUSING OIL TRANSFER													
1A,B	**6700509**	SLEEVE	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1025 - PIN, REVERSE GEAR HOUSING CLUTCH DRIVE													
1A,B	**5130672**	PIN	3	3	3	3									
	6701077	PIN					3	3	3	3	3	3	3	3	3
		9.1030 - PISTON, REVERSE CLUTCH													
1A,B	**6700545**	PISTON	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1035 - SEAL KIT REVERSE CLUTCH PISTON													
		A KIT CONSISTS OF ONE EACH LARGE SEAL AND EXPANDER AND ONE EACH SMALL SEAL AND EXPANDER, NOT SOLD SEPARATELY.													

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1035 - SEAL KIT REVERSE CLUTCH PISTON (CONT'D)													
	5192289	SEAL KIT					1	1	1	1	1	1	1	1	1
		9.1040 - GEAR, REVERSE RING													
	6751008	GEAR	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1045 - PLATE, REVERSE CLUTCH DISC													
1A,B	**6835329**	PLATE ASSY.	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1050 - RING, REVERSE CLUTCH DISC PLATE SNAP													
	6701070	RING	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1055 - SPRING, REVERSE CLUTCH RELEASE													
1A,B	**6701093**	SPRING	16	16	16	16	16	16	16	16	16	16	16	16	16
		9.1060 - PLATE, REVERSE CLUTCH REACTION													
1A,B	**6701049**	PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1
	141198	PIN, 1/4" X 13/16" DOWEL (12.9290)	3	3	3	3	3	3	3	3	3	3	3	3	3
	454512	PIN, 3/16" X 3/4" ROLL (12.9300)	3	3	3	3	3	3	3	3	3	3	3	3	3
		9.1065 - RING, CLUTCH REACTION PLATE SNAP													
1A,B	**6700119**	RING	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1070 - GEAR, REVERSE SUN													
1A	**6832276**	GEAR	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1075 - WASHER, REVERSE SUN GEAR THRUST													
1A,B	**6701096**	WASHER	2	2	2	2	2	2	2	2	2	2	2	2	2
		9.1080 - GEAR ASSY., PLANETARY													
		A GEAR ASSY. CONSISTS OF ITEMS IN 9.1081 THROUGH 9.1084. (FOR REPAIR KIT SEE 9.1086.)													

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1080 - GEAR ASSY., PLANETARY (CONT'D)													
	6700227	GEAR ASSY. (MARKED L.P.)	1		1			1		1		1		1	
	6750772	GEAR ASSY. (MARKED R.S.)		1		1	1		1		1		1		1
		9.1081 - CAGE, PLANETARY GEAR													
	6701082	COLLECTOR, OIL	1	1	1	1	1	1	1	1	1	1	1	1	1
	6700217	BOLT	4	4	4	4	4	4	4	4	4	4	4	4	4
	6700216	NUT	4	4	4	4	4	4	4	4	4	4	4	4	4
		9.1082 - PINION, PLANETARY GEAR													
	6754554	SET, GEAR	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1083 - BEARING, PLANETARY GEAR PINION													
	6700213	BEARING, NEEDLE	176	176	176	176	176	176	176	176	176	176	176	176	176
	6750998	WASHER, THRUST	16	16	16	16	16	16	16	16	16	16	16	16	16
		9.1084 - SHAFT, PLANETARY GEAR PINION													
	6701081	SHAFT, PINION	8	8	8	8	8	8	8	8	8	8	8	8	8
	453606	BALL, 3/16" DIA., STEEL (12.9670)	8	8	8	8	8	8	8	8	8	8	8	8	8
		9.1085 - WASHER, PLANETARY GEAR THRUST													
1A,B	6770522	WASHER	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1090 - WASHER, PLANETARY GEAR RETAINING													
1A,B	6700169	WASHER	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1095 - RING, PLANETARY GEAR SNAP													
1A	6702989	RING	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1101 - WASHER, REVERSE GEAR DRIVE SHAFT THRUST													
	6751913	WASHER									1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1130 - SEAL, REVERSE GEAR DRIVE SHAFT BEARING HOUSING OIL													
	6700018	SEAL									1	1	1	1	1
		9.1135 - VALVE ASSY., SELECTOR													
		A VALVE ASSY. INCLUDES ITEMS IN 9.1145 THRU 9.1170.													
1A,B	**6700960**	VALVE ASSY.	1	1	1	1	1	1	1	1	1	1	1	1	1
1A,B	**186625**	BOLT, 5/16"-18 X 7/8" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4	4
1A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4	4
		9.1140 - GASKET, SELECTOR VALVE HOUSING													
1A,B	**6700965**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1145 - POPPET, SELECTOR VALVE													
1A,B	**6700233**	POPPET	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1150 - SPRING, SELECTOR VALVE POPPET													
1A,B	**6700181**	SPRING	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1160 - SEAL, SELECTOR VALVE OIL													
1A,B	**5141005**	SEAL	2	2	2	2	2	2	2	2	2	2	2	2	2
		9.1165 - SCREW, SELECTOR VALVE LOCATING													
1A,B	**6774506**	BOLT	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1170 - WASHER, SELECTOR VALVE LOCATING SCREW													
	115308	WASHER, 5/16" PL. COPPER (12.9190)									1	1	1	1	1
1B	**5155596**	WASHER, 5/16" FLAT (12.9190)	1	1	1	1	1	1	1	1					
		9.1175 - LEVER, SELECTOR VALVE OPERATING													
1B	**5136170**	* LEVER	1	1	1	1	1	1	1	1	1	1	1	1	1
1B	**6700226**	LEVER	1	1	1	1	1	1	1	1	1	1	1	1	1
1B	**454894**	BOLT, 1/4"-20 X 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1175 - LEVER, SELECTOR VALVE OPERATING (CONT'D)													
		* REPLACES 6700226 LEVER WHEN AIR COMPRESSOR IS MOUNTED ON LEFT BANK CAMSHAFT.													
		9.1300 - SHAFT, REVERSE GEAR PINION DRIVE													
		A SHAFT ASSY. INCLUDES TUBE AND RING 9.1300.													
1B	**6772039**	SHAFT ASSY.	1	1	1	1	1	1	1	1					
	6883368	SHAFT ASSY.									1	1	1	1	1
	6701090	TUBE (9.1100)	1	1	1	1	1	1	1	1	1	1	1	1	1
	274267	RING (9.1065)	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1305 - PINION, REDUCTION GEAR													
	6759138	PINION (2.5:1 RED., 28 TEETH)	1	1					1	1					
1B	**6751934**	* PINION (1:1 RATIO, 49 TEETH)			1	1									
	6751900	PINION (1.5:1 RATIO, 39 TEETH)					1	1							
	6883614	PINION (1.1 RED., 31 TEETH)									1				
	6883225	PINION (1.5:1 RATIO, 25 TEETH)										1	1		
	6883193	PINION (2.1 RATIO, 21 TEETH)												1	1
		* OBSOLETE.													
		9.1310 - GEAR, REDUCTION													
1B	**6759139**	GEAR (2.5:1 RED., 70 TEETH)	1	1					1	1					
	6751899	GEAR (1.5:1 RED., 60 TEETH)					1	1							
	6883226	GEAR (1.1 RED., 38 TEETH)										1	1		
	6883194	GEAR (1.1 RED., 43 TEETH)												1	1
	6883615	GEAR (1.1 RED., 33 TEETH)									1				
1B	**6750756**	* GEAR (1:1 RED., 50 TEETH)			1	1									
		* OBSOLETE.													
		9.1320 - BEARING, REDUCTION GEAR PINION													
1B	**901314**	BEARING (N.D. 1314X1A)	2	2	2	2	2	2	2	2					
	9413119	BEARING									2	2	2	2	2
		9.1325 - WASHER, REDUCTION GEAR DRIVE SHAFT THRUST													
	6702989	RING, SNAP	1	1	1	1	1	1	1	1					
	6751913	WASHER (THRUST) (STEEL) (9.1085)	1	1	1	1	1	1	1	1					
	6751912	WASHER (THRUST) (BRONZE) (9.1101)	1	1	1	1	1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1330 - RING, REDUCTION GEAR DRIVE SHAFT OIL SEAL													
1A,B	**6700508**	RING (9.1115)	3	3	3	3	3	3	3	3	3	3	3	3	3
		9.1335 - SLEEVE, REDUCTION GEAR PINION BEARING													
	6883611	SLEEVE									1	1	1	1	1
		9.1340 - SHAFT, REDUCTION GEAR DRIVE													
1A	**6771998**	SHAFT	1	1	1	1	1	1	1	1					
	6883197	SHAFT									1	1	1	1	1
		9.1345 - BEARING, REDUCTION GEAR DRIVE SHAFT PILOT													
	7450134	BEARING	1	1	1	1	1	1	1	1					
	7455620	BEARING									1	1	1	1	1
	6772000	LOCKNUT	1	1	1	1	1	1	1	1					
	6839023	LOCKNUT									1	1	1	1	1
		9.1350 - BEARING, REDUCTION GEAR DRIVE SHAFT THRUST													
1B	**907662**	BEARING SET (MATCHED SET)	1	1	1	1	1	1	1	1					
	9437332	BEARING									1	1	1	1	1
		9.1355 - SLINGER, REDUCTION GEAR DRIVE SHAFT THRUST BEARING OIL													
	6700218	SLINGER	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1360 - NOZZLE, REDUCTION GEAR OIL													
	6750371	NOZZLE	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1365 - COVER, REDUCTION GEAR BEARING													
1B	**6776799**	COVER (OUTPUT SHAFT)	1	1			1	1	1	1					
	6883196	COVER (REDUCTION GEAR BEARING)									1	1	1	1	1
	6759847	COVER (OUTPUT SHAFT BEARING)			1										
	6759849	COVER (OUTPUT SHAFT BEARING)				1									

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1365 - COVER, REDUCTION GEAR BEARING													
1B	**6751908**	COVER (PINION SHAFT BEARING)	1	1	1	1	1	1	1	1					
1B	**186679**	BOLT, 3/8"-16 X 1 1/4" (12.9001)	10	10			8	8	8	8	10	10	10	10	10
1B	**180152**	BOLT, 7/16"-14 X 1 7/8" (12.9001)	6	6	9	9	6	6	6	6					
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR									
	120381	WASHER, 3/8" (12.9120)					8	8	8	8	10	10	10	10	10
	120383	WASHER, 7/16" (12.9120)					6	6	6	6					
		9.1370 - GASKET, REDUCTION GEAR BEARING COVER													
1B	**6769466**	+ GASKET (.013-.017) (OUTPUT SHAFT COVER)	AR	AR											
1B	**6769467**	+ GASKET (.009"-.011") (OUTPUT SHAFT COVER)	AR	AR											
	6883412	GASKET (REDUCTION GEAR BEARING COVER)								1	1	1	1	1	1
1B	**6776800**	GASKET (NEOPRENE)	1	1	1	1	1	1	1	1					
1B	**6751909**	GASKET (PINION SHAFT BEARING COVER)	1	1	1	1	1	1	1	1					
	6883201	SHIM (.003")								AR	AR	AR	AR	AR	AR
	6883202	SHIM (.010")								AR	AR	AR	AR	AR	AR
	6883203	SHIM (.020")								AR	AR	AR	AR	AR	AR
		+ SELECTIVE FIT, USED ONLY ON UNITS WITH G STAMPED ON GEAR NAME PLATE.													
		9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL													
1B	**6700157**	SEAL (BEARING SET 907662)	2	2	2	2	2	2	2	2					
		9.1380 - BAFFLE, REDUCTION GEAR OIL													
	6700191	BAFFLE											1	1	1
1B	**6700239**	BAFFLE	1	1	1	1	1	1	1	1					
1B	**6754291**	BOLT, 3/8"-16 X 1/2" (12.9001)	3	3	3	3	3	3	3	3			3	3	3
	120381	WASHER, 3/8" (12.9190)					3	3	3	3			3	3	3
	103321	LOCKWASHER, 3/8" (12.9200)	3	3	3	3	3	3	3	3			3	3	3
		9.1385 - SUMP, REDUCTION GEAR OIL													
1A	**6750767**	SUMP (DEEP)	1	1	1	1	1	1	1	1					
	6884716	SUMP (SHALLOW)									1	1	1	1	1
1B	**103880**	PLUG, 1/2" PIPE (12.9550)	1	1	1	1	1	1	1	1					
	5121182	PLUG, 1/4" PIPE (2.4015)									1	1	1	1	1
	186678	BOLT, 3/8"-16 X 1" (12.9001)									12	12	12	12	12
1B	**186679**	BOLT, 3/8"-16 X 1 1/4" (12.9001)	12	12	12	12	12	12	12	12					

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1385 - SUMP, REDUCTION GEAR OIL (CONT'D)													
	120381	WASHER, 3/8" (12.9190)					12	12	12	12	12	12	12	12	12
	110730	LOCKWASHER, 3/8" (12.9200)	12	12	12	12									
		9.1390 - GASKET, REDUCTION GEAR OIL SUMP													
1A,B	6838269	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1395 - DIPSTICK, REDUCTION GEAR													
1B	6700237	DIPSTICK (RING TYPE, 15" L.)	1	1	1	1	1	1	1	1					
	5179325	DIPSTICK (RING TYPE, 13.5" L.)									1	1	1	1	1
		9.1400 - GUIDE, REDUCTION GEAR DIPSTICK													
1B	6700236	GUIDE (FOR DEEP SUMP)	1	1	1	1	1	1	1	1	1	1	1	1	1
1B	6752353	BUSHING	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1405 - GASKET, REDUCTION GEAR DIPSTICK													
	5150475	GASKET (4.6010)	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1410 - TUBE, REDUCTION GEAR OIL FILLER													
	6751910	PIPE (8.1965)	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1415 - CAP, REDUCTION GEAR OIL FILLER													
1B	1528732	CAP (8.1965)	1	1	1	1									
	6419440	CAP (8.1965)					1	1	1	1	1	1	1	1	1
		9.1430 - FLANGE, PROPELLER DRIVE													
1B	6751915	FLANGE	1	1	1	1	1	1	1	1					
	6701091	FLANGE									1	1	1	1	1
	6883199	SPACER, FLANGE DRIVE									1	1	1	1	1
	6883206	SPACER, 5.086" O.D. X .058									AR	AR	AR	AR	AR
	6883207	SPACER, 5.086" O.D. X .061									AR	AR	AR	AR	AR
	6883208	SPACER, 5.086" O.D. X .064									AR	AR	AR	AR	AR
	6883209	SPACER, 5.086" O.D. X .067									AR	AR	AR	AR	AR
	6883210	SPACER, 5.086" O.D. X .070									AR	AR	AR	AR	AR
	6883211	SPACER, 5.086" O.D. X .073									AR	AR	AR	AR	AR

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1430 - FLANGE, PROPELLER DRIVE (CONT'D)													
	6883212	SPACER, 5.086" O.D. X .076									AR	AR	AR	AR	AR
	6883213	SPACER, 5.086" O.D. X .079									AR	AR	AR	AR	AR
	6883214	SPACER, 5.086" O.D. X .082									AR	AR	AR	AR	AR
	6883215	SPACER, 5.086" O.D. X .085									AR	AR	AR	AR	AR
	6883216	SPACER, 5.086" O.D. X .088									AR	AR	AR	AR	AR
	6883217	SPACER, 5.086" O.D. X .091									AR	AR	AR	AR	AR
	6883218	SPACER, 5.086" O.D. X .094									AR	AR	AR	AR	AR
	6883219	SPACER, 5.086" O.D. X .097									AR	AR	AR	AR	AR
		9.1435 - NUT, PROPELLER DRIVE FLANGE													
1B	**6771999**	* NUT (5/8" THICK)	1	1	1	1	1	1	1	1					
1B	**6751905**	NUT (7/8" THICK)	1	1											
	6700015	NUT									1	1	1	1	1
		* USED ONLY WITH BEARING SET 907662 IN 9.1350.													

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1001 - GEAR ASSY., HYDRAULIC MARINE													
	6753771	# GEAR ASSY. (DIRECT DRIVE, L.H.)	1												
	6753753	# GEAR ASSY. (DIRECT DRIVE, R.H.)		1											
1A	6770009	* GEAR ASSY. (M11L., 1.1:1 RED.) (6883603)			1										
1A	6770010	* GEAR ASSY. (M11R., 1.1:1 RED.) (6883604)				1									
1A	6770012	* GEAR ASSY. (M15L., 1.5:1 RED.) (6883605)					1								
1A	6770013	* GEAR ASSY. (M15)., 1.5:1 RED.) (6883606)						1							
1A	6770015	* GEAR ASSY. (M20L., 2:1 RED.) (6883607)							1						
1A	6770016	* GEAR ASSY. (M20R., 2:1 RED.) (6883608)								1					
	6753252	GEAR ASSY. (DIRECT DRIVE)									1				
	6775903	GEAR ASSY. (DIRECT DRIVE)										1			
1B	6759693	GEAR ASSY. (2:1 MH20R. R.H.) (ALLISON)											1		
		# SHOWN FOR COMPONENT BREAKDOWN ONLY.													
		* NOT SERVICED, COMPONENTS ARE AVAILABLE FOR COMPLETE REPLACEMENT USE NUMBER IN PARENTHESES.													
		9.1010 - HOUSING ASSY., REVERSE GEAR													
		A HOUSING ASSY. INCLUDES NAME PLATE AND DRIVE SCREW IN 9.1001 PLUS ITEMS IN 9.1010, 9.1020 AND 9.1025.													
	6753752	HOUSING ASSY.	1	1											
1A	6768355	* HOUSING ASSY. (INCLUDES BUSHING IN 9.1400 & PIPE IN 9.1410) (6883369)			1	1	1	1	1	1					
	6700546	HOUSING ASSY.									1				
	6775912	HOUSING ASSY.										1			
1B	6833399	HOUSING ASSY. (9.1001)											1		
	5145014	PLUG, 3/8" PIPE (12.9550)	1	1	1	1	1	1	1	1					
1B	6751923	PLUG, 2" DIA. CUP	1	1											
	6838494	NAME PLATE											1		
	192413	SCREW, #4X1/4" L. (12.9067)											4		
		* NOT SERVICED USE NUMBER IN PARENTHESES.													
		9.1020 - SLEEVE, REVERSE GEAR HOUSING OIL TRANSFER													
1A,B	6700509	SLEEVE	1	1	1	1	1	1	1	1	1	1	1		
		9.1025 - PIN, REVERSE GEAR HOUSING CLUTCH DRIVE													
1A,B	5130672	PIN	3	3	3	3	3	3	3	3	3	3	3		
		9.1030 - PISTON, REVERSE CLUTCH													
1A,B	6700545	PISTON	1	1	1	1	1	1	1	1			1		

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1035 - SEAL, REVERSE CLUTCH PISTON													
		A KIT CONSISTS OF ONE EACH LARGE SEAL AND EXPANDER AND ONE EACH SMALL SEAL AND EXPANDER, NOT SOLD SEPARATELY.													
	5192289	SEAL KIT											1		
		9.1040 - GEAR, REVERSE RING													
	6751008	GEAR	1	1	1	1	1	1	1	1			1		

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1045 - PLATE, REVERSE CLUTCH DISC													
1A	6835329	PLATE ASSY.	1	1	1	1	1	1	1	1					
1B	23010125	PLATE ASSY.											1		
		9.1050 - RING, REVERSE CLUTCH DISC PLATE SNAP													
	6701070	RING	1	1	1	1	1	1	1	1	1		1		
		9.1055 - SPRING, REVERSE CLUTCH RELEASE													
1A	6701093	SPRING	16	16	16	16	16	16	16	16	16		16		
		9.1060 - PLATE, REVERSE CLUTCH REACTION													
1A,B	6701049	PLATE	1	1	1	1	1	1	1	1	1		1		
	141198	PIN, 1/4" X 13/16" DOWEL (12.9290)	3	3	3	3	3	3	3	3	3		3		
	454512	* PIN, 3/16" X 3/4" ROLL (12.9300)	3	3	3	3	3	3	3	3	3		3		
		* EFFECTIVE WITH MARINE GEAR ASSY. SERIAL NO. 13631.													
		9.1065 - RING, CLUTCH REACTION PLATE SNAP													
1A,B	6700119	RING	1	1	1	1	1	1	1	1	1		1		
		9.1070 - GEAR, REVERSE SUN													
1A,B	6832276	GEAR	1	1	1	1	1	1	1	1	1		1		
		9.1075 - WASHER, REVERSE SUN GEAR THRUST													
1A,B	6701096	WASHER	2	2	2	2	2	2	2	2	2		2		
		9.1080 - GEAR ASSY., PLANETARY													
		A GEAR ASSY. CONSISTS OF ITEMS IN 9.1081 THRU 9.1084. (SEE 9.1086 FOR REPAIR KIT.)													
	6700227	GEAR ASSY. (MARKED LP)	1		1		1		1						
1B	6750772	GEAR ASSY. (MARKED RS)		1		1		1		1	1		1		
		9.1081 - CAGE, PLANETARY GEAR													
	6701082	COLLECTOR, OIL	1	1	1	1	1	1	1	1	1		1		
	6700217	BOLT	4	4	4	4	4	4	4	4	4		4		
	6700216	NUT	4	4	4	4	4	4	4	4	4		4		

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1082 - PINION, PLANETARY GEAR													
	6754554	GEAR SET	1	1	1	1	1	1	1	1			1		
		9.1083 - BEARING, PLANETARY GEAR PINION													
	6700213	BEARING, NEEDLE	176	176	176	176	176	176	176	176	176		176		
	6750998	WASHER, THRUST	16	16	16	16	16	16	16	16	16		16		
		9.1084 - SHAFT, PLANETARY GEAR PINION													
	6701081	SHAFT, PINION	8	8	8	8	8	8	8	8	8		8		
	453606	BALL, 3/16" DIA. STEEL (12.9670)	8	8	8	8	8	8	8	8	8		8		
		9.1085 - WASHER, PLANETARY GEAR THRUST													
1A	**6770522**	WASHER	1	1	1	1	1	1	1	1	1		1		
1B	**6751912**	WASHER											1		
		9.1086 - REPAIR KIT, PLANETARY GEAR													
		REPAIR KIT INCLUDES OIL COLLECTOR AND NUT IN 9.1081, ITEMS IN 9.1083 AND 9.1084.													
	5194835	REPAIR KIT											1		
		9.1090 - WASHER, PLANETARY GEAR RETAINING													
1A,B	**6700169**	WASHER	1	1	1	1	1	1	1	1	1		1		
		9.1095 - RING, PLANETARY GEAR SNAP													
1A	**274771**	RING	1	1	1	1	1	1	1	1					
1A,B	**6702989**	* RING	1	1	1	1	1	1	1	1	1		1		
		* EFFECTIVE WITH MARINE GEAR ASSY. SERIAL NO. 12678.													
		9.1100 - SHAFT ASSY., REVERSE GEAR DRIVE													
		INCLUDES TUBE AND RING IN 9.1100.													
1C	**6756882**	SHAFT ASSY. (DIRECT DRIVE)	1	1											
1C	**6756884**	SHAFT ASSY. (DIRECT DRIVE)									1	1			
	6701090	TUBE	1	1							1	1			
	274267	RING, SNAP (9.1065)	1	1							1	1			
		9.1120 - HOUSING, REVERSE GEAR DRIVE SHAFT BEARING													
	6701084	HOUSING									1	1			
	186679	BOLT, 3/8"-16 X 1 1/4" (12.9001)									6	6			
	110730	LOCKWASHER, 3/8" (12.9200)									6	6			

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1125 - GASKET, REVERSE GEAR DRIVE SHAFT BEARING HOUSING													
	6700175	GASKET									1	1			
		9.1130 - SEAL, REVERSE GEAR DRIVE SHAFT BEARING HOUSING OIL													
	6700018	SEAL									1	1			
		9.1135 - VALVE ASSY., SELECTOR													
		A VALVE ASSY. INCLUDES ITEMS IN 9.1145 THRU 9.1170.													
1A,B	**6700960**	VALVE ASSY.			1	1	1	1	1	1	1	1	1		
1A,B	**186625**	BOLT, 5/16"-18 X 7/8" (12.9001)			4	4	4	4	4	4	4	4	4		
1A,B	**103320**	LOCKWASHER, 5/16" (12.9200)			4	4	4	4	4	4	4	4	4		
		9.1140 - GASKET, SELECTOR VALVE HOUSING													
1A,B	**6700965**	GASKET			1	1	1	1	1	1	1	1	1		
		9.1145 - POPPET, SELECTOR VALVE													
1A,B	**6700233**	POPPET			1	1	1	1	1	1	1	1	1		
		9.1150 - SPRING, SELECTOR VALVE POPPET													
1A,B	**6700181**	SPRING			1	1	1	1	1	1	1	1	1		
		9.1160 - SEAL, SELECTOR VALVE OIL													
1A,B	**5141005**	SEAL			2	2	2	2	2	2	2	2	2		
		9.1165 - SCREW, SELECTOR VALVE LOCATING													
1A,B	**6774506**	BOLT			1	1	1	1	1	1	1	1	1		
		9.1170 - WASHER, SELECTOR VALVE LOCATING SCREW													
1A	**5155596**	WASHER, 5/16" FLAT COPPER (4.7120)			1	1	1	1	1	1	1	1			
1B	**115308**	WASHER, 5/16" COPPER (12.9190)											1		

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1175 - LEVER, SELECTOR VALVE OPERATING													
1A,B	6700226	LEVER			1	1	1	1	1	1	1	1	1		
1A	454894	BOLT, 1/4"-20 X 3/4" (12.9001)			1	1	1	1	1	1	1	1			
1B	179795	BOLT, 1/4"-20X3/4" (12.9001)											1		
		9.1300 - SHAFT, REDUCTION GEAR PINION DRIVE													
		A SHAFT ASSY. INCLUDES TUBE AND RING IN 9.1300.													
1A	6883368	SHAFT ASSY.			1	1	1	1	1	1					
1B	6772039	SHAFT ASSY.											1		
	6701090	TUBE (9.1100)			1	1	1	1	1	1			1		
	274267	RING (9.1065)			1	1	1	1	1	1			1		
		9.1305 - PINION, REDUCTION GEAR													
1A	6703469	PINION (1.1:1 RED. - 31 TEETH)			1	1									
	6700185	PINION (1.5:1 RED. - 25 TEETH)					1	1							
	6700196	PINION (2:1 RED. - 21 TEETH)							1	1					
1B	6751903	PINION (2:1 RED., 33 TEETH)											1		
		9.1310 - GEAR REDUCTION													
1B	6751902	GEAR (2:1 RED., 65 TEETH)											1		
1A	6703470	PINION (1.1:1 RED. - 33 TEETH)			1	1									
1A	6700186	PINION (1.5:1 RED. - 38 TEETH)					1	1							
1A	6700197	PINION (2:1 RED. - 43 TEETH)							1	1					
		9.1320 - BEARING, REDUCTION GEAR PINION													
1A	901312	BEARING (N.D. 1312X1A)			2	2	2	2	2	2					
1B	901314	BEARING (N.D. 1314X1A)											2		
		9.1325 - WASHER, REDUCTION GEAR DRIVE SHAFT THRUST													
1B	6751913	WASHER (THRUST) (BRONZE) (9.1101)	1	1	1	1	1	1	1	1			1		
1B	6751912	WASHER (THRUST) (STEEL) (9.1085)	1	1	1	1	1	1	1	1			1		
1B	6702989	RING, SNAP (9.1095)	1	1	1	1	1	1	1	1			1		
		9.1330 - RING, REDUCTION GEAR DRIVE SHAFT OIL SEAL													
1A,B	6700508	RING (9.1115)	3	3	3	3	3	3	3	3	3	3	3		
		9.1335 - SPACER OR SLEEVE, REDUCTION GEAR PINION BEARING													
	6704033	SPACER (SLEEVE)			1	1	1	1	1	1					

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1340 - SHAFT, REDUCTION GEAR DRIVE													
	6700187	@ SHAFT			1	1	1	1	1	1					
1B	**6771998**	SHAFT											1		
		@ NOT SERVICED, USE 6839022 SHAFT AND (1) 6839023 NUT.													
		9.1345 - BEARING, REDUCTION GEAR DRIVE SHAFT PILOT													
	7450076	BEARING			1	1	1	1	1	1					
1B	**7450134**	BEARING											1		
	6700246	LOCKWASHER			1	1	1	1	1	1					
1B	**6772000**	LOCKNUT											1		
	127713	LOCKNUT, #N-10 BEARING (12.9719)			1	1	1	1	1	1					
		9.1350 - BEARING, REDUCTION GEAR DRIVE SHAFT THRUST													
	905312	BEARING (M.D. 5312X1A)			1	1	1	1	1	1	1	1			
1B	**907662**	BEARING ASSY. (MATCHED SET)											1		
		9.1355 - SLINGER, REDUCTION GEAR DRIVE SHAFT THRUST BEARING OIL													
	6700218	SLINGER			1	1	1	1	1	1	1	1			
		9.1360 - NOZZLE, REDUCTION GEAR OIL													
	6750371	NOZZLE			1	1	1	1	1	1			1		
		9.1365 - COVER, REDUCTION GEAR BEARING													
1A	**6700189**	COVER (REDUCTION GEAR BEARING)			1	1	1	1	1	1					
1B	**6751908**	COVER, PINION SHAFT BEARING											1		
1B	**6776799**	COVER, OUTPUT SHAFT BEARING											1		
1A	**186679**	BOLT, 3/8"-16 X 1 1/4" (12.9001)			10	10	10	10	10	10			8		
1B	**180152**	BOLT, 7/16"-14X1 7/8" (12.9001)											6		
	110730	LOCKWASHER, 3/8" (12.9200)			10	10	10	10	10	10			8		
1B	**120383**	LOCKWASHER, 7/16" (12.9200)											6		
		9.1370 - GASKET, REDUCTION GEAR BEARING COVER													
1A	**6700192**	GASKET (REDUCTION GEAR BEARING COVER)			1	1	1	1	1	1					
1B	**6751909**	GASKET											1		
1B	**6776800**	GASKET, NEOPRENE											1		
		9.1375 - SEAL, REDUCTION GEAR BEARING OIL COVER													
1A	**6700018**	SEAL (9.1130)			1	1	1	1	1	1					
1B	**6700157**	SEAL											2		

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		9.1380 - BAFFLE, REDUCTION GEAR OIL													
1A	**6700191**	BAFFLE					1	1	1	1					
1B	***6700239***	*BAFFLE*											1		
1A,B	**6754291**	BOLT, 3/8"-16 X 1/2"					3	3	3	3			3		
	103321	LOCKWASHER, 3/8" (12.9200)					3	3	3	3					
1B	**110730**	LOCKWASHER, 3/8" (12.9200)											3		
		9.1385 - SUMP, REDUCTION GEAR OIL													
1A	**6884716**	SUMP (SHALLOW)			1	1	1	1	1	1					
1B	**6750767**	SUMP (DEEP)											1		
1A	**5145014**	PLUG, 1/4" PIPE (12.9550)			1	1	1	1	1	1					
1B	**5121182**	PLUG, 1/4" PIPE (2.4015)											1		
1A	**179839**	BOLT, 3/8"-16 X 1" (12.9001)			12	12	12	12	12	12					
1B	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)											12		
1A	**103321**	LOCKWASHER, 3/8" (12.9200)			12	12	12	12	12	12					
1B	**110730**	LOCKWASHER, 3/8" (12.9200)											12		
		9.1390 - GASKET, REDUCTION GEAR OIL SUMP													
1A,B	**6838269**	GASKET			1	1	1	1	1	1			1		
		9.1395 - DIPSTICK, REDUCTION GEAR													
1A,B	**5179325**	DIPSTICK (RING TYPE 13 5/8" L.) (9.3420)			1	1	1	1	1	1					
1B	**6700237**	DIPSTICK (RING TYPE 13 5/8" L.)											1		
		9.1400 - GUIDE, REDUCTION GEAR DIPSTICK													
	6700236	GUIDE			1	1	1	1	1	1			1		
	6752353	BUSHING			1	1	1	1	1	1			1		
		9.1405 - GASKET, REDUCTION GEAR DIPSTICK													
	5150475	*GASKET (4.6010)*			1	1	1	1	1	1			1		
		9.1410 - TUBE, REDUCTION GEAR OIL FILLER													
	6751910	PIPE (2 1/2" L.)											1		
		9.1415 - CAP, REDUCTION GEAR OIL FILLER													
1B	**6419440**	CAP (8.1965)											1		
		9.1430 - FLANGE, PROPELLER DRIVE													
1A	**6701091**	FLANGE (M GEAR)									1	1			
1B	**6751915**	FLANGE (MH GEAR)											1		
		9.1435 - NUT, PROPELLER DRIVE FLANGE													
	6700015	NUT			1	1	1	1	1	1	1	1			
	6771999	* NUT (62" THICK)											1		
	103396	*PIN, 5/32" X 1" COTTER (12.9250)*			1	1	1	1	1	1	1	1			

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN
		9.1435 - NUT, PROPELLER DRIVE FLANGE (CONT'D)	
		* USE WITH BEARING SET 907662 IN 9.1350.	

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D
		9.1001 - GEAR ASSY; HYDRAULIC MARINE				
1B,10A	**23010183**	GEAR ASSY. (MH15R., 1.54:1 RED.)	1			
1B,10A	**23010184**	GEAR ASSY. (MH15L. 1.54:1 RED.)		1		
1B,10A	**23010185**	GEAR ASSY. (MH20R., 1.97:1 RED.)			1	
1B,10A	**23010186**	GEAR ASSY. (MH20L; 1.97:1 RED.)				1
		9.1010 - HOUSING ASSY; REVERSE GEAR				
		A HOUSING ASSY. INCLUDES NAME PLATE AND DRIVE SCREW PLUS ITEMS IN 9.1010, 9.1020, 9.1025 AND 9.1410.				
1B	**6754279**	HOUSING ASSY.	1	1		
1B	**6833399**	HOUSING ASSY.			1	1
	5111798	PLUG, 1" PIPE (12.9550)			1	1
	6751923	PLUG, 2" DIA. CLIP	1	1	1	1
		9.1020 - SLEEVE, REVERSE GEAR HOUSING OIL TRANSFER				
1B	**6700509**	SLEEVE	1	1	1	1
		9.1025 - PIN, REVERSE GEAR HOUSING CLUTCH DRIVE				
1B	**6701077**	PIN	3	3		
	5130672	PIN			3	3
		9.1030 - PISTON, REVERSE CLUTCH				
1B	**6700545**	PISTON	1	1	1	1
		9.1035 - SEAL KIT REVERSE CLUTCH PISTON				
		A KIT CONSISTS OF ONE EACH LARGE SEAL AND EXPANDER AND ONE EACH SMALL SEAL AND EXPANDER, NOT SOLD SEPARATELY				
	5192289	SEAL KIT	1	1	1	1
		9.1040 - GEAR, REVERSE RING				
1B	**6751008**	GEAR	1	1	1	1
		9.1045 - PLATE, REVERSE CLUTCH DISC				
1B	**23010125**	PLATE ASSY.	1	1	1	1
		9.1050 - RING, REVERSE CLUTCH DISC PLATE SNAP				
	6701070	RING	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D
		9.1055 - SPRING, REVERSE CLUTCH RELEASE				
1B	**6701093**	SPRING	16	16	16	16
		9.1060 - PLATE, REVERSE CLUTCH REACTION				
1B	**6701049**	PLATE	1	1	1	1
	141198	PIN, 1/4"X13/16" DOWEL (12.9290)	3	3	3	3
	454512	PIN, 3/16"X3/4" ROLL (12.9300)	3	3	3	3
		9.1065 - RING, CLUTCH REACTION PLATE SNAP				
1B	**6700119**	RING	1	1	1	1
		9.1070 - GEAR, REVERSE SUN				
1B	**6832276**	GEAR	1	1	1	1
		9.1075 - WASHER, REVERSE SUN GEAR THRUST				
1B	**6701096**	WASHER	2	2	2	2
		9.1080 - GEAR ASSY. PLANETARY				
		A GEAR ASSY. CONSISTS OF ITEMS IN 9.1081 THRU 9.1084 (FOR REPAIR KIT SEE 9.1086.)				
	6700227	GEAR ASSY. (MARKED L.P.)		1		1
	6750772	GEAR ASSY. (MARKED R.S.)	1		1	

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D
		9.1081 - CAGE, PLANETARY GEAR				
	6701082	COLLECTOR, OIL	1	1	1	1
	6700217	BOLT	4	4	4	4
	6700216	NUT	4	4	4	4
		9.1082 - PINION, PLANETARY GEAR				
	6754554	SET, GEAR	1	1	1	1
		9.1083 - BEARING, PLANETARY GEAR PINION				
	6700213	BEARING, NEEDLE	176	176	176	176
		9.1084 - SHAFT, PLANETARY GEAR PINION				
	6701081	SHAFT, PINION	8	8	8	8
	453606	BALL, 3/16" DIA. STEEL (12.9670)	8	8	8	8
		9.1085 - WASHER, PLANETARY GEAR THRUST				
1B	6770522	WASHER	1	1	1	1
		9.1090 - WASHER, PLANETARY GEAR RETAINING				
1B	6700169	WASHER	1	1	1	1
		9.1095 - RING, PLANETARY GEAR SNAP				
1B	6702989	RING	1	1	1	1
		9.1135 - VALVE ASSY; SELECTOR A VALVE ASSY. INCLUDES ITEMS IN 9.1135 THRU 9.1170.				
1A,B	6700960	VALVE ASSY.	1	1	1	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)	4	4	4	4
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4
		9.1140 - GASKET, SELECTOR VALVE HOUSING				
1A,B	6700965	GASKET	1	1	1	1
		9.1145 - POPPET, SELECTOR VALVE				
1A,B	6700233	POPPET	1	1	1	1
		9.1150 - SPRING, SELECTOR VALVE POPPET				
1A,B	6700181	SPRING	1	1	1	1
		9.1160 - SEAL, SELECTOR VALVE OIL				
1A,B	5141005	SEAL	2	2	2	2

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D
		9.1165 - SCREW, SELECTOR VALVE LOCATING				
1A,B	**6774506**	BOLT	1	1	1	1
		9.1170 - WASHER, SELECTOR VALVE LOCATING SCREW				
1B	**115308**	WASHER, 5/16" PL. COPPER (12.9190)	1	1	1	1
		9.1175 - LEVER, SELECTOR VALVE OPERATING				
1B	**5136170**	* LEVER	1	1	1	1
1B	**6700226**	LEVER	1	1	1	1
1B	**454894**	BOLT, 1/4"-20X3/4" (12.9001)	1	1	1	1
		* REPLACES 6700226 LEVER WHEN AIR COMPRESSOR IS MOUNTED ON LEFT BANK CAMSHAFT.				
		9.1300 - SHAFT, REVERSE GEAR PINION DRIVE A SHAFT ASSY. INCLUDES TUBE AND RING IN 9.1300.				
1B	**6772039**	SHAFT ASSY.	1	1	1	1
1B	**6701090**	TUBE (9.1100)	1	1	1	1
	274267	RING (9.1065)	1	1	1	1
		9.1305 - PINION, REDUCTION GEAR				
1B	**6751900**	PINION (1.5:1 RATIO, 39 TEETH)	1	1		
	6751903	PINION (2:1 RATIO, 33 TEETH)			1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D
		9.1310 - GEAR, REDUCTION				
1B	6751899	GEAR (1.5:1 RED., 60 TEETH)	1	1		
1B	6751902	GEAR (2:1 RED., 65 TEETH)			1	1
		9.1320 - BEARING, REDUCTION GEAR PINION				
1B	901314	BEARING (N.D. 1314X1A)	2	2	2	2
		9.1325 - WASHER, REDUCTION GEAR DRIVE SHAFT THRUST				
	6702989	RING, SNAP	2	2	2	2
	6751913	WASHER, THRUST (STEEL) (9.1085)	1	1	1	1
	6751912	WASHER, THRUST (BRONZE) (9.1101)	1	1	1	1
		9.1330 - RING, REDUCTION GEAR DRIVE SHAFT OIL SEAL				
1A,B	6700508	RING (9.1115)	3	3	3	3
		9.1340 - SHAFT, REDUCTION GEAR DRIVE				
1A,B	6771998	SHAFT	1	1	1	1
		9.1345 - BEARING, REDUCTION GEAR DRIVE SHAFT PILOT				
1B	7450134	BEARING	1	1	1	1
	6772000	LOCKNUT	1	1	1	1
		9.1350 - BEARING, REDUCTION GEAR DRIVE SHAFT THRUST				
1B	907662	BEARING SET (MATCHED SET)	1	1	1	1
		9.1355 - SLINGER, REDUCTION GEAR DRIVE SHAFT THRUST BEARING OIL				
	6700218	SLINGER	1	1	1	1
		9.1360 - NOZZLE, REDUCTION GEAR OIL				
	6750371	NOZZLE	1	1	1	1
		9.1365 - COVER, REDUCTION GEAR BEARING				
1B	6776799	COVER (OUTPUT SHAFT)	1	1	1	1
1B	6751908	COVER (PINION SHAFT BEARING)	1	1	1	1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	8	8	8	8
	180152	BOLT, 7/16"-14X1 7/8" (12.9001)	6	6	6	6
	110730	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR
	120383	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D
		9.1370 - GASKET, REDUCTION GEAR BEARING COVER				
1B	**6776800**	GASKET (MAIN SHAFT BEARING COVER)	1	1	1	1
1B	**6751909**	GASKET (PINION SHAFT BEARING COVER)	1	1	1	1
		9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL				
1B	**6700157**	SEAL (BEARING SET 907662)	2	2	2	2
		9.1380 - BAFFLE, REDUCTION GEAR OIL				
1B	**6884715**	BAFFLE	1	1	1	1
	6754291	BOLT, 3/8"-16X1/2" (12.9001)	3	3	3	3
	120381	WASHER, 3/8" (12.9190)	3	3	3	3
		9.1385 - SUMP, REDUCTION GEAR OIL				
	6884716	SUMP (SHALLOW)	1	1	1	1
	103880	PLUG, 1/2" PIPE (12.9550)	1	1	1	1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	12	12	12	12
	110730	LOCKWASHER, 3/8" (12.9190)	12	12	12	12

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D
		9.1390 - GASKET, REDUCTION GEAR OIL SUMP				
1A,B	6838269	GASKET	1	1	1	1
		9.1395 - DIPSTICK, REDUCTION GEAR				
1B	6700237	DIPSTICK (RING TYPE, 15" L.)	1	1	1	1
		9.1400 - GUIDE, REDUCTION GEAR DIPSTICK				
1B	6700236	TUBE (2 5/8" L.)	1	1	1	1
1B	6752353	BUSHING	1	1	1	1
		9.1405 - GASKET, REDUCTION GEAR DIPSTICK				
	5150475	GASKET (4.6010)	1	1	1	1
		9.1410 - TUBE, REDUCTION GEAR OIL FILLER				
	6751910	PIPE (8.1965)	1	1	1	1
		9.1415 - CAP, REDUCTION GEAR OIL FILLER				
1B	6419440	CAP (8.1965)	1	1	1	1
		9.1430 - FLANGE, PROPELLER DRIVE				
1B	6751915	FLANGE	1	1	1	1
		9.1435 - NUT, PROPELLER DRIVE FLANGE				
1B	6771999	NUT, 5/8" THICK	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6144	6441	7025	8255
		9.1001 - GEAR ASSY., HYDRAULIC MARINE (TWIN AND QUAD)				
		A GEAR ASSY. INCLUDES ITEMS IN 9.1010 AND 9.1020 THRU 9.1101. IT DOES NOT INCLUDE FLYWHEEL FORWARD CLUTCH, HYDRAULIC PUMP, OIL LINES OR PROPELLER DRIVE SHAFT COUPLING.				
	6834642	* GEAR ASSY. (RC ENGINE) (MS10R)	1	1	1	1
	6772710	@ GEAR ASSY. (LC ENGINE) (MS10) (6834641)	1	1	1	1
	6834641	* GEAR ASSY. (LC ENGINE) (MS10L)	1	1	1	1
	6772711	@ GEAR ASSY. (RC ENGINE) (MS10R) (6834642)	1	1	1	1
	6832907	PLATE, NAME	2	2	2	2
	192413	SCREW, #4X1/4" (12.9066)	8	8	8	8
	179862	BOLT, 7/16"-14X1 1/2" (TO FLYWHEEL HOUSING) (12.9001)	24	24	24	24
	186626	BOLT, 7/16"-14X1 5/8" (TO GEAR BOX) (12.9001)	24	24	24	24
	103322	LOCKWASHER, 7/16" (12.9200)	48	48	48	48
		* NOT SERVICED; USE COMPONENTS. @ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.				
		9.1010 - HOUSING ASSY., REVERSE GEAR (TWIN AND QUAD)				
		INCLUDES ITEMS IN 9.1020 AND 9.1025.				
1C	6772823	HOUSING ASSY.	2	2	2	2
		9.1015 - GASKET, REVERSE GEAR HOUSING (TWIN AND QUAD)				
	5109338	GASKET (TO GEAR BOX AND FLYWHEEL HOUSING)	4	4	4	4
		9.1020 - SLEEVE, REVERSE GEAR HOUSING OIL TRANSFER (TWIN AND QUAD)				
1C	6772792	SLEEVE (PLANETARY)	2	2	2	2
1C	6772791	SLEEVE (OIL TRANSFER)	2	2	2	2
		9.1025 - PIN, REVERSE GEAR HOUSING CLUTCH DRIVE (TWIN AND QUAD)				
1C	6772777	PIN, DOWEL	8	8	8	8
		9.1030 - PISTON, REVERSE CLUTCH (TWIN AND QUAD)				
1C	6830486	PISTON	2	2	2	2

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9.1000A HYDRAULIC MARINE GEAR (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6144	6444	7081	8255
		9.1035 - SEAL, REVERSE CLUTCH PISTON (TWIN AND QUAD)				
1C	**6752037**	SEAL RING (SMALL) (8.3239)	2	2	2	2
1C	**6752244**	SEAL RING (LARGE) (8.3239)	2	2	2	2
		9.1040 - GEAR, REVERSE RING (TWIN AND QUAD)				
1C	**6772782**	GEAR	2	2	2	2
		9.1045 - PLATE, REVERSE CLUTCH DISC (TWIN AND QUAD)				
1C	**6835330**	PLATE	2	2	2	2
1C	**6772484**	# PLATE (6835330)	2	2	2	2
1C	**454917**	BOLT, 3/8"-24X2 1/2" (12.9001)	48	48	48	48
1C	**192481**	NUT, 3/8"-24 HEX. (LOCKING TYPE) (12.9120)	48	48	48	48
		# NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.				
		9.1055 - SPRING, REVERSE CLUTCH RELEASE (TWIN AND QUAD)				
1C	**6701093**	SPRING	48	48	48	48
		9.1060 - PLATE, REVERSE CLUTCH REACTION (TWIN AND QUAD)				
1C	**6772822**	PLATE	2	2	2	2
1C	**454512**	PIN, 3/16"X3/4" SPRING (12.9300)	6	6	6	6
1C	**6772776**	KEY (1 1/4" L., OVAL)	4	4	4	4
		9.1065 - RING, CLUTCH REACTION PLATE SNAP (TWIN AND QUAD)				
1C	**6772773**	RING	2	2	2	2
		9.1070 - GEAR, REVERSE SUN (TWIN AND QUAD)				
1C	**6772783**	GEAR	2	2	2	2
		9.1073 - BEARING, SUN GEAR (TWIN AND QUAD)				
1C	**903013**	BEARING	2	2	2	2
1C	**6772781**	SPACER	4	4	4	4
1C	**6774184**	RING, SNAP (OUTER) (8.3206)	2	2	2	2
1C	**6756994**	RING, SNAP (INNER)	2	2	2	2
		9.1080 - GEAR ASSY., PLANETARY (TWIN AND QUAD)				
		A GEAR ASSY. INCLUDES ITEMS IN 9.1082 THRU 9.1084.				
	6772794	GEAR ASSY. (MARKED R.H.) (RC ENGINE)	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 614	644	701	825
		9.1080 - GEAR ASSY., PLANETARY (TWIN AND QUAD) (CONT'D)				
	6772789	GEAR ASSY. (MARKED L.H.) (LC ENGINE)	1	1	1	1
1C	6758220	SEAL RING	2	2	2	2
		9.1082 - PINION, PLANETARY GEAR (TWIN AND QUAD)				
1C	6772779	GEAR SET	2	2	2	2
		9.1083 - BEARING, PLANETARY GEAR PINION (TWIN AND QUAD)				
1C	6754810	BEARING, NEEDLE	320	320	320	320
1C	6772787	PLATE	16	16	16	16
1C	6768695	SPACER	32	32	32	32
1C	6758707	WASHER, THRUST	32	32	32	32
		9.1084 - SHAFT, PLANETARY GEAR PINION (TWIN AND QUAD)				
1C	6772775	SHAFT, PINION	16	16	16	16
1C	442936	PIN, 3/16" DIA. (12.9270)	16	16	16	16
		9.1085 - WASHER, PLANETARY GEAR THRUST (TWIN AND QUAD)				
1C	6772837	WASHER (BRONZE) (9.1101)	2	2	2	2
		9.1100 - SHAFT ASSY., REVERSE GEAR DRIVE (TWIN AND QUAD)				
1C	6832837	SHAFT ASSY. (INCLUDES PLUG)	2	2	2	2
1C	6703135	SEAL RING (8.3047)	4	4	4	4
	6772831	PLUG, ORIFICE	2	2		
		9.1101 - WASHER, REVERSE GEAR DRIVE SHAFT THRUST (TWIN AND QUAD)				
1C	6772780	PLATE (WASHER BACKING)	2	2	2	2
1C	6772837	WASHER, THRUST (BRONZE)	2	2	2	2
1C	6766303	RING, SNAP	2	2	2	2
		9.1135 - VALVE ASSY., SELECTOR (TWIN AND QUAD)				
		A VALVE ASSY. INCLUDES VALVES AND PLUGS IN 9.1135 PLUS ITEMS IN 9.1145 THRU 9.1187.				

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9.1000A HYDRAULIC MARINE GEAR (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 614	644	701	825
		9.1135 - VALVE ASSY., SELECTOR (TWIN AND QUAD) (CONT'D)				
1D	**5113915**	# VALVE ASSY.	1	1	1	1
1D	**5172645**	VALVE (MASTER)	1	1	1	1
1D	**5171127**	VALVE (SHUTOFF) (L.H.)	1	1	1	1
1D	**5171128**	VALVE (SHUTOFF) (R.H.)	1	1	1	1
	5129854	* @ BLOCK, JUNCTION (IN VALVE ASSY.)	2			
	144148	* CROSS, 1" PIPE (12.9618)			2	
	120062	* BUSHING, 1"X1/2" RED. (12.9570)			4	
	128003	* BUSHING, 1"X3/4" RED. (12.9570)			2	
	5171147	* GASKET (9.1179)	2	2	2	2
	5179253	* FLANGE (OIL RETURN)	2	2	2	2
	144613	* NIPPLE, 3/4"X1 3/8" PIPE (12.9560)	2	2	2	
	5152066	PLUG (.221"X1/4" SPECIAL)	6	6	6	6
	117924	PLUG, 1 5/8" EXPANSION (12.9330)	1	1	1	1
	186629	* BOLT, 5/16"-18X4" (12.9001)	4	4	4	4
1D	**186627**	* BOLT, 3/8"-24X1" (12.9001)	4	4	4	4
1D	**103341**	* WASHER, 3/8" FLAT (12.9190)	4	4	4	4
	103320	* LOCKWASHER, 5/16" (12.9200)	4	4	4	4
1D	**103321**	* LOCKWASHER, 3/8" (12.9200)	4	4	4	4
		* NOT PART OF VALVE ASSY.				
		@ NOT SERVICED; REPLACE WITH 144148 CROSS AND INCLUDES 4-120062 BUSHING AND 2-128003 BUSHING IN 9.1135.				
		# ASSY, NOT SERVICED USE COMPONENTS.				
		9.1136 - HOUSING, SELECTOR VALVE (TWIN AND QUAD)				
	5113911	* HOUSING (LESS BOTTOM VALVE HOLE)	1	1	1	1
		* NOT SERVICED, USE 5171218 PLUS 1 5139988 PLUG.				
		9.1140 - GASKET, SELECTOR VALVE HOUSING (TWIN AND QUAD)				
1D	**5171146**	GASKET	1	1	1	1
		9.1145 - POPPET, SELECTOR VALVE (TWIN AND QUAD)				
1D	**6700233**	POPPET	1	1	1	1
		9.1150 - SPRING, SELECTOR VALVE POPPET (TWIN AND QUAD)				
1D	**6700181**	SPRING	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 614	644	701	825
		9.1151 - PLUG, SELECTOR VALVE POPPET RETAINER (TWIN AND QUAD)				
1D	5171139	PLUG	1	1	1	1
		9.1160 - SEAL, SELECTOR VALVE OIL (TWIN AND QUAD)				
1D	5141005	SEAL	1	1	1	1
		9.1165 - SCREW, SELECTOR VALVE LOCATING (TWIN AND QUAD)				
1D	6774506	BOLT	1	1	1	1
		9.1170 - WASHER, SELECTOR VALVE LOCATING SCREW (TWIN AND QUAD)				
	5155596	WASHER, 5/16" FLAT COPPER (12.9190)	1	1	1	1
		9.1172 - SEAL, CONTROL VALVE SHUT-OFF (TWIN AND QUAD)				
1D	5171772	SEAL	2	2	2	2
		9.1173 - SCREW, CONTROL VALVE SHUT-OFF LOCK (TWIN AND QUAD)				
		A SCREW ASSY. INCLUDES BOLT, SPRING AND BALL, NOT SOLD SEPARATELY.				
1D	5172646	SCREW ASSY.	2	2	2	2
	113699	BOLT, 3/8"-24X1/2" (12.9001)	2	2	2	2
		9.1174 - GASKET, CONTROL VALVE SHUT-OFF LOCK SCREW (TWIN AND QUAD)				
	5152148	GASKET (WASHER) (2.4050)	2	2	2	2
		9.1175 - LEVER, SELECTOR VALVE OPERATING (TWIN AND QUAD)				
1D	5102862	LEVER (2.7170)	1	1	1	1
1D	180021	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1	1
1D	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1	1
		9.1178 - COVER, HYDRAULIC CONTROL VALVE (TWIN AND QUAD)				
1D	5171140	COVER	2	2	2	2
	180021	BOLT, 1/4"-20X7/8" (12.9001)	8	8	8	8
	5169866	WASHER (2.8810)	8	8	8	8

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9.1000A HYDRAULIC MARINE GEAR (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6144	6144	7041	8255
		9.1179 - GASKET, HYDRAULIC CONTROL VALVE COVER (TWIN AND QUAD)				
	5171147	GASKET	2	2	2	2
		9.1180 - LEVER, CONTROL VALVE SHUT-OFF (TWIN AND QUAD)				
1D	**3222759**	LEVER (2.9300)	2	2	2	2
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)	2	2	2	2
	103319	LOCKWASHER, 1/4" (12.9200)	2	2	2	2
	121902	NUT, 1/4"-28 HEX. (12.9120)	2	2	2	2
		9.1186 - COVER, OIL LINE FLANGE (TWIN AND QUAD)				
1D	**6700315**	COVER (9.1420)	2	2	2	2
	5188027	* FLANGE (TAPPED) (FOR OIL PRESSURE GAGE TUBE)	1	1	1	1
	5118781	* HOSE, FLEX. (3/16" I.D.X11 3/16" L.) (7.4704)	1	1		
	5131604	* HOSE, FLEX. (1/2" I.D.X15" L.)				1
	1508350	FITTING, RESTRICTION (7.4704)	1	1		1
	118748	CONNECTOR, 1/4" TUBE (12.9380)				1
	444052	ELBOW, 1/8"-90 DEG. STREET (12.9590)			1	
	1506502	SENDING UNIT, OIL PRESSURE (7.4070)			1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)	4	4	4	4
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4
		* NOT PART OF VALVE ASSY.				
		9.1187 - GASKET, OIL LINE FLANGE COVER (TWIN AND QUAD)				
	5150144	GASKET (4.1520)	2	2	2	2
		9.1190 - REGULATOR, CONTROL VALVE PRESSURE (TWIN AND QUAD)				
		A REGULATOR ASSY. INCLUDES ITEMS IN 9.1194 THRU 9.1196.				
	5182807	REGULATOR ASSY.	2	2	2	2
	5123240	GASKET (4.1300)	2	2	2	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	4	4	4	4
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4
		9.1194 - VALVE, CONTROL VALVE PRESSURE REGULATOR RELIEF (TWIN AND QUAD)				
	5177777	VALVE (4.4140)	2	2	2	2

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9.1000A HYDRAULIC MARINE GEAR (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 614	644	701	825
		9.1195 - SPRING, CONTROL VALVE PRESSURE REGULATOR RELIEF VALVE (TWIN AND QUAD)				
	5192739	SPRING (9.1525)	2	2	2	2
		9.1196 - SEAT, CONTROL VALVE PRESSURE REGULATOR (TWIN AND QUAD)				
	5177772	PLUG (4.4160)	2	2	2	2
	5177773	GASKET (4.4170)	2	2	2	2
		9.1200 - FLYWHEEL ASSY., REVERSE GEAR (TWIN AND QUAD)				
		A FLYWHEEL ASSY. INCLUDES PLUGS IN 9.1200 PLUS ITEMS IN 9.1205, 9.1207, 9.1210, 9.1215 AND 9.1220.				
1A	5127312	* FLYWHEEL AND PISTON ASSY.	2		2	2
1A	5130963	* FLYWHEEL AND PISTON ASSY.		2		
	141236	PIN (3/8"-1 1/2") (HORIZONTAL OIL PASSAGE) (12.9290)	2	2	2	2
	5150130	PLUG (5/16" CUP) (1.1001)	2	2	2	2
1C	5120753	PLATE, SCUFF (BOLT RETAINER)	2		2	2
1C	5100532	PLATE, SCUFF (BOLT RETAINER)		2		
1C	9411631	BOLT (9/16"-18X2 3/4") (LOCK) (12.9001)	12	12	12	12
		* NO LONGER AVAILABLE FOR SERVICE.				
		9.1205 - GEAR, REVERSE GEAR FLYWHEEL RING (TWIN AND QUAD)				
1C	5184773	GEAR (118 TEETH) (1.4010)	2	2	2	2
		9.1207 - SEAL, FLYWHEEL OIL (TWIN AND QUAD)				
1C	5173384	SEAL	2	2	2	2
1C	9413380	RING, SNAP	2	2	2	2
		9.1210 - BEARING, FLYWHEEL PILOT (TWIN AND QUAD)				
1C	907084	BEARING (N.D. X99507L1C) (8.1450)	2	2	2	2

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9.1000A HYDRAULIC MARINE GEAR (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6144	6644	7081	8255
		9.1215 - PIN, FORWARD CLUTCH (TWIN AND QUAD)				
1C	5120017	PIN (9.1025)	6	6	6	6
		9.1220 - BOLT, FORWARD CLUTCH EMERGENCY RELEASE (TWIN AND QUAD)				
1C	5189539	BOLT (1/2"-13X1.38")	6	6	6	6
	102637	NUT, 1/2"-13 HEX. (12.9120)	6	6	6	6
		9.1225 - PISTON, FORWARD CLUTCH (TWIN AND QUAD)				
1C	5127377	PISTON	2	2	2	2
		9.1230 - SEAL, FORWARD CLUTCH PISTON (TWIN AND QUAD)				
1C	5127482	SEAL (INNER)	2	2	2	2
1C	5127483	SEAL (OUTER)	2	2	2	2
		9.1235 - PLATE, FORWARD CLUTCH (TWIN AND QUAD)				
1C	5144626	PLATE ASSY. (INCLUDES PLATE)	2	2	2	2
1C	5127439	# PLATE ASSY. (5144626)	2	2	2	2
1C	5199859	PLATE	2	2	2	2
		# NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.				
		9.1240 - SPRING, FORWARD CLUTCH RELEASE (TWIN AND QUAD)				
1C	6701093	SPRING (9.1055)	32	32	32	32
		9.1245 - PLATE, FORWARD CLUTCH REACTION (TWIN AND QUAD)				
1C	5127324	PLATE	2	2	2	2
1C	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	32	32	32	32
1C	103321	LOCKWASHER, 3/8" (12.9200)	32	32	32	32
		9.1265 - VALVE, FORWARD CLUTCH DUMP (TWIN AND QUAD)				
1C	5119848	VALVE	2	2	2	2
		9.1270 - SPRING, FORWARD CLUTCH DUMP VALVE (TWIN AND QUAD)				
1C	5156815	SPRING	2	2	2	2

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9.1000A HYDRAULIC MARINE GEAR (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 614	644	701	825
	9.1275	**- COVER, FORWARD CLUTCH DUMP VALVE SPRING (TWIN AND QUAD)**				
1C	**5119824**	PLUG	2	2	2	2
	9.1475	**- PUMP ASSY., HYDRAULIC MARINE GEAR OIL (TWIN AND QUAD)**				
		SEE ASSEMBLY BREAKDOWN PAGE A1.				
2D	**5182823**	+ PUMP ASSY.	2	2	2	2
	5157244	BOLT (3/8"-16X1 3/4")	4	4	4	4
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)	8	8	8	8
	103321	LOCKWASHER, 3/8"	12	12	12	12
		+ NOT SERVICED, USE 5112419 PLUS SD-71 DRAWING.				
	9.1477	**- ADAPTOR, HYDRAULIC MARINE GEAR OIL PUMP (TWIN AND QUAD)**				
	5123950	ADAPTOR	2	2	2	2
	9.1478	**- GASKET, HYDRAULIC MARINE GEAR OIL PUMP ADAPTOR (TWIN AND QUAD)**				
	5122227	GASKET (TO FLYWHEEL HOUSING) (1.5060)	2	2	2	2
	9.1480	**- GASKET, HYDRAULIC MARINE GEAR OIL PUMP (TWIN AND QUAD)**				
2B	**5150057**	GASKET (TO ADAPTOR) (1.5060)	2	2	2	2
	9.1540	**- HUB, HYDRAULIC PUMP DRIVE (TWIN AND QUAD)**				
2B	**5171922**	HUB	4	4	4	4
	9.1545	**- RING, HYDRAULIC PUMP COUPLING (TWIN AND QUAD)**				
2B	**5160408**	RING (12.4055)	2	2	2	2
	9.1550	**- RETAINER, HYDRAULIC PUMP COUPLING (TWIN AND QUAD)**				
2B	**2070610**	RING, SNAP (12.4060)	2	2	2	2

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9.1000A HYDRAULIC MARINE GEAR (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6104	6144	7081	8025
		9.1585 - TUBE, REVERSE GEAR OIL INLET (TWIN AND QUAD)				
1D	**5129281**	TUBE ASSY. (RC ENGINE)	1	1	1	1
1D	**5129282**	TUBE ASSY. (LC ENGINE)	1	1	1	1
	5126694	HOSE, FLEX. (1/2" I.D.X12") (SHORT) (JUNCTION BLOCK TO SELECTOR VALVE)			1	
	5114117	HOSE, FLEX. (1/2" I.D.X24 3/8") (LONG) (JUNCTION BLOCK TO SELECTORVALVE)	1	1		1
	5113484	HOSE, FLEX. (1/2" I.D.X24 3/8") (LONG) (JUNCTION BLOCK TO SELECTORVALVE)			1	
	5188697	HOSE, FLEX. (1/2"X50" L.)	1	1		1
	5176705	ELBOW, 90 DEG. - 3/4" BRASS	1	1		1
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)	3	3	3	
	109429	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)			1	1
	5114116	VALVE, CHECK	2	2	2	2
	116487	CONNECTION, 1/2" TUBE (12.9380)	1	1	1	1
	141504	NIPPLE, 1/2"X1 1/2" PIPE (12.9560)	2	2	2	2
	191362	NIPPLE, 3/4" PIPE	2			2
	138105	TEE, 1/2" PIPE (12.9616)	2			2
	144086	TEE, 3/4" PIPE (12.9616)	2			2
	5177001	CLIP, 7/8" (8.3801)	2	2	2	2
1D	**5129256**	GASKET (9.1590)	2	2	2	2
1D	**180021**	BOLT, 1/4"-20X7/8" (12.9001)	8	8	8	8
1D	**189697**	BOLT, 5/16"-18X1" (LOCK) (12.9001)	8	8	8	8
	5169866	WASHER (2.8810)	8	8	8	8
	103320	LOCKWASHER, 5/16" (12.9200)			8	8
		9.1586 - TUBE, REVERSE GEAR LUBE OIL (TWIN AND QUAD)				
	5129769	TUBE (27" DEV. L.)	1	1	1	1
	5126739	HOSE, FLEX. (1/2" I.D.X34") (CROSS TO OIL FILTER)		2	2	
	5114117	HOSE, FLEX. (1/2" I.D.X44 1/2") (FILTER TO REVERSE GEAR)		2	2	2
	143343	ELBOW, 5/16" INV. FL. TUBE	1	1	1	1
	5112892	ELBOW (5/16"-90 DEG. RESTRICTED)	1	1	1	1
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9590)		2	2	2
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)	2	6	6	2
	5177001	CLIP, 7/8" (8.3801)		2	2	2
	444029	BUSHING, 3/8"X1/4" RED. (12.9570)	4			
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)		4	4	4
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)		4	4	4
	119920	NIPPLE, 1/4"X2" PIPE (12.9560)	2	2	2	2
	179616	TEE, 1/2"X3/8"X3/8" RED. (12.9616)	2	2	2	2

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9.1000A HYDRAULIC MARINE GEAR (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 614	644	701	825
		9.1650 - STRAINER ASSY., OIL (MARINE GEAR) (TWIN AND QUAD)				
		A STRAINER ASSY. INCLUDES ITEMS IN 9.1655 THRU 9.1680.				
2D,3B	**5112512**	STRAINER ASSY.	2	2	2	2
2D,3B	**108687**	ELBOW, 1" STREET 90 DEG. (12.9590)	2	2	2	2
2D,3B	**119100**	ELBOW, 1" PIPE 90 DEG. (12.9600)	2		2	2
2D,3B	**190311**	NIPPLE, 1/2"X1" PIPE (12.9560)	2		2	2
		9.1655 - ELEMENT, OIL STRAINER (TWIN AND QUAD)				
3B	**5574252**	ELEMENT	2	2	2	2
		9.1675 - COVER, OIL STRAINER (TWIN AND QUAD)				
3B	**5112510**	COVER	2	2	2	2
3B	**186624**	BOLT, 5/16"-18X1 1/4" (12.9001)	3	3	3	3
3B	**103320**	LOCKWASHER, 5/16" (12.9200)	3	3	3	3
		9.1680 - GASKET, OIL STRAINER COVER (TWIN AND QUAD)				
3B	**5112511**	GASKET	2	2	2	2
		9.1730 - TUBE, GEAR BOX TO OIL STRAINER (TWIN AND QUAD)				
	5184084	HOSE (FLEX.) (61 1/2" L.) (8.3820)	2	2	2	2
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)	2	2	2	2
	217986	ELBOW, 1"X3/4"-90 DEG.				2
	5183079	CONNECTOR (9.1720)			2	2
	144613	NIPPLE, 3/4"X1 3/8" PIPE	2	2		2
		9.1740 - CLIP, GEAR BOX TO OIL STRAINER TUBE (TWIN AND QUAD)				
	5184291	CLIP, 1 1/4" (8.3820)	2	2	2	2
	5187818	SUPPORT (9.3541)	2	2	2	2
	181596	BOLT, 5/16"-24X7/8" (12.9001)	2	2	2	2
	120393	WASHER, 5/16" FLAT (12.9200)	2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2
	114493	NUT, 5/16"-24 HEX. (12.9120)	2	2	2	2
		9.1778 - FILTER ASSY., OIL (TWIN AND QUAD)				
		SEE ASSEMBLY BREAKDOWN PAGE B1.				
2D	**5129129**	FILTER ASSY.	2	2	2	2
	179839	BOLT, 3/8"-16X1" (12.9001)	8	8	8	8

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9.1000A HYDRAULIC MARINE GEAR (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6144	6444	7081	8255
		9.1778 - FILTER ASSY., OIL (TWIN AND QUAD) (CONT'D)				
	103321	LOCKWASHER, 3/8" (12.9200)	8	8	8	8
		9.1793 - BRACKET, OIL FILTER MOUNTING (TWIN AND QUAD)				
2D	**5129767**	BRACKET	2	2	2	2
	428211	BOLT, 5/8"-11X1 1/4" (12.9001)	4	4	4	4
	103334	LOCKWASHER, 5/8" (12.9200)	4	4	4	4

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9.3000A POWER TRANSFER GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 177	178	179	184	185	186	187	189	191	192	197	198
		9.3002 - GEAR BOX ASSY.												
		INCLUDES ITEMS IN 9.3010 THRU 9.3270 ALSO 9.3450 AND 9.3465.												
4A	**5140162**	* GEAR BOX ASSY. (2:1 RED.) (PORT) (504518)				1								
4A	**5140162**	* GEAR BOX ASSY. (2:1 RED.) (STBD) (504518)					1							
4A	**5136334**	* GEAR BOX ASSY. (3:1 RED.) (504518)								1				
4A	**5109113**	* GEAR BOX ASSY. (4:1 RED.) (504518)	1											
4A	**5136211**	* GEAR BOX ASSY. (4:1 RED.) (STBD) (1109861)						1						
4A	**5136213**	* GEAR BOX ASSY. (4:1 RED.) (STBD) (1109862)							1					
	5136614	* GEAR BOX ASSY. (4:1 RED.) (STBD) (1111656)									1			
4A	**5136613**	* GEAR BOX ASSY. (4:1 RED.) (PORT) (1111657)										1		
	5145153	* GEAR BOX ASSY. (4:1 RED.) (PORT & STOD.) (1140468)												1
4A	**5109114**	* GEAR BOX ASSY. (5:1 RED.) (504518)		1										
4A	**5127360**	* GEAR BOX ASSY. (6:1 RED.) (504518)			1									
4A	**5139067**	* GEAR BOX ASSY. (6:1 RED.) (504518)											1	
	5170507	DECAL (ROTATION DIRECTION ARROW)	1	1	1	1	1	1	1	1	1	1	1	1
	5120762	DRIVE UNIT, TACHOMETER (ELECTRIC) (7.4062)										1		1
	220586	BOLT, 1"-14X4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
	5172986	WASHER, BEVEL (11.1001)	8	8	8	8	8	8	8	8	8	8	8	8
	121326	LOCKWASHER, 1" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8
	117056	NUT, 1"-14 HEX. (12.9120)	8	8	8	8	8	8	8	8	8	8	8	8
		* NOT SERVICED BY DDA, FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3010 - HOUSING ASSY., GEAR BOX												
		A HOUSING ASSY. INCLUDES TOP, CENTER AND BASE PIECES WHICH ARE NOT SERVICED SEPARATELY.												
4A	**5197214**	* HOUSING ASSY. (950134)	1	1	1	1	1						1	1
4A	**5197873**	* HOUSING ASSY. (950134)						1		1				
4A	**5198334**	* HOUSING ASSY. (950134)							2	2		2		
4A	**113231**	SCREW, #6X1/4" DRIVE (12.9067)	4	4	4	4	4	4	4	4	4	4	4	4
	5197189	* COVER, INSPECTION (9.3017) (237331)	1	1	1	1	1	1	1	1	1	1	1	1
	5197190	* GASKET, INSPECTION COVER (9.3017) (182841)	1	1	1	1	1	1	1	1	1	1	1	1

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9.3000A POWER TRANSFER GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 177	178	179	184	185	186	187	189	191	192	197	198
		9.3010 - HOUSING ASSY., GEAR BOX (CONT'D)												
	5192466	* PLATE, NAME (9.3001) (212991)	1	1	1	1	1	1	1	1	1	1	1	1
	5197191	* @ PLATE, LOCKING (9.3017) (191338)	4	4	4	4	4	4	4	4	4	4	4	4
	5197192	* @ PLATE, LOCKING (9.3160) (182839)	4	4	4	4	4	4	4	4	4	4	4	4
	5197202	* @ DOWEL SCREW (#8X1 1/2") (9.3017) (159823)	2	2	2	2	2	2	2	2	2	2	2	2
	5197203	* @ DOWEL SCREW (#12X3") (9.3017) (159823)	4	4	4	4	4	4	4	4	4	4	4	4
	5197215	* @ WASHER, 25/32"I.D.X1 1/2"O.D.X 5/32" (804264)	4	4	4	4	4	4	4	4	4	4	4	4
	5146648	@ PLUG, 1/2" PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2	2	2
	5111798	PLUG, 1" PIPE (12.9550)	4	4	4	4	4	4	4	4	4	4	4	4
	179837	BOLT, 3/8"-16X3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
	186725	@ BOLT, 1/2"-13X1 1/2" (12.9001)	32	32	32	32	32	32	32	32	32	32	32	32
	271549	@ BOLT, 1"-8X2 1/2" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
	274302	@ BOLT, 1"-8X7" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		@ PART OF HOUSING ASSY.												
		9.3021 - GEAR, GEAR BOX DRIVE												
4A	**5132225**	* GEAR (2:1 RATIO) (61 TEETH) (415204)				1	1							
4A	**5198337**	* GEAR (3:1 RATIO) (416615)								1				
4A	**5196996**	* GEAR (4:1 RATIO) (37 TEETH) (414036)	1					1	1		1	1		1
4A	**5196997**	* GEAR (5:1 RATIO) (31 TEETH) (414034)		1										
4A	**5196998**	* GEAR (6:1 RATIO) (26 TEETH) (412801)			1									
4A	**5198508**	* GEAR (6:1 RATIO) (417458)											1	
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3030 - BEARING, GEAR BOX DRIVE GEAR												
4A	**9418437**	* BEARING, ROLLER (919668)	2	2	2	2	2	2	2	2	2	2	2	2
4A	**5197666**	* RING, RETAINING (RR944)	2	2	2	2	2	2	2	2	2	2	2	2
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												

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9.3000A POWER TRANSFER GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 177	178	179	184	185	186	187	189	191	192	197	198
		9.3042 - SHAFT, GEAR BOX OUTPUT												
		INCLUDES GEAR WHICH IS NOT SERVICED SEPARATELY.												
4A	**5198063** *	SHAFT ASSY. (2:1 RED.) (123 TEETH) (704804)				1	1							
4A	**5198333** *	SHAFT ASSY. (3:1 RED.) (705149)								1				
4A	**5197276** *	SHAFT ASSY. (4:1 RED.) (147 TEETH) (703818)	1					1	1		1	1		1
4A	**5197219** *	SHAFT ASSY. (5:1 RED.) (153 TEETH) (703819)		1										
4A	**5197218** *	SHAFT ASSY. (6:1 RED.) (157 TEETH) (703820)			1									
4A	**5197307** *	SHAFT ASSY. (6:1 RED.) (705403)											1	
4A	**5197205** *	BOLT (191345)	6	6	6	6	6	6	6	6	6	6	6	6
4A	**5197662** *	NUT, LOCKING (905262)	6	6	6	6	6	6	6	6	6	6	6	6
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3046 - HOUSING, GEAR BOX OUTPUT SHAFT BEARING												
4A	**5197195** *	COVER (320681)	1	1	1	1	1	1	1	1	1	1	1	1
4A	**5145010**	PLUG, 1/4" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1	1	1
4A	**442733**	BOLT, 1/2"-13X1 1/4" (12.9001)	16	16	16	16	16	16	16	16	16	16	16	16
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3047 - GASKET, GEAR BOX OUTPUT SHAFT BEARING HOUSING												
	5197196 *	GASKET (182823)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3055 - COUPLING, GEAR BOX OUTPUT SHAFT												
		A COUPLING ASSY. INCLUDES COMPANION AND DRIVE COUPLING WHICH ARE NOT SERVICED SEPARATELY.												

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9.3000A POWER TRANSFER GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 177	178	179	184	185	186	187	189	191	192	197	198
		9.3055 - COUPLING, GEAR BOX OUTPUT SHAFT (CONT'D)												
4A	5197277	* COUPLING ASSY. (703821)	1	1	1	1	1	1	1	1	1	1	1	1
4A	5197665	* KEY (1 1/2"X1"X5") (909853)	1	1	1	1	1	1	1	1	1	1	1	1
4A	5197194	* RETAINER (9.3070) (182840)	1	1	1	1	1	1	1	1	1	1	1	1
4A	5197663	* BOLT, 1"-13X2 1/2" (901325)	4	4	4	4	4	4	4	4	4	4	4	4
4A	5197204	* @ BOLT (SPECIAL) (191111)	8	8	8	8	8	8	8	8	8	8	8	8
4A	5197662	* @ NUT, LOCKING (9.3042) (905262)	8	8	8	8	8	8	8	8	8	8	8	8
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		@ PART OF 5197277 COUPLING ASSY.												
		9.3070 - BEARING, GEAR BOX OUTPUT SHAFT FRONT												
4A	5197355	* BEARING ASSY., ROLLER (WITH SPACERS) (SET) (921446)	1	1	1	1	1	1	1	1	1	1	1	1
4A	5197194	* RETAINER, BEARING (182840)	1	1	1	1	1	1	1	1	1	1	1	1
4A	5197663	* BOLT, 1"-14X2 1/2" (901325)	4	4	4	4	4	4	4	4	4	4	4	4
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3095 - COVER, GEAR BOX OUTPUT SHAFT BEARING												
4A	5192965	* COVER (TACHOMETER DRIVE) (134134)	1	1	1	1	1	1	1	1	1	1	1	1
4A	186618	BOLT, 5/16"-18X5/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3096 - GASKET, GEAR BOX OUTPUT SHAFT BEARING COVER												
	5192967	* GASKET (134133)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												

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9.3000A POWER TRANSFER GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 177	178	179	184	185	186	187	189	191	192	197	198
		9.3100 - BEARING, GEAR BOX OUTPUT SHAFT-REAR												
4A	**9418438** *	BEARING, ROLLER (919669)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3120 - SEAL, GEAR BOX OUTPUT SHAFT BEARING OIL												
4A	**5197664** *	SEAL, OIL (8953)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3125 - SLEEVE, OUTPUT SHAFT REAR BEARING OIL SEAL												
4A	**5197199** *	SLEEVE (182842)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3130 - RETAINER, GEAR BOX OUTPUT SHAFT BEARING OIL SEAL												
4A	**5197197** *	REATINER (237330)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3140 - GASKET, GEAR BOX OUTPUT SHAFT OIL SEAL RETAINER												
		BEARING OIL SEAL RETAINER												
4A	**5197198** *	GASKET (182846)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE												

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9.3000A POWER TRANSFER GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 177	178	179	184	185	186	187	189	191	192	197	198
		9.3140 - GASKET, GEAR BOX OUTPUT SHAFT OIL SEAL RETAINER(CONT'D)												
		FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3160 - PAN, GEAR BOX OIL												
	5198335 *	PAN, OIL (325964)								1				
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3215 - TROUGH, GEAR BOX OIL												
4A	**5196999** *	TROUGH (322095)	1					1	1		1	1		1
4A	**5197000** *	TROUGH (322094)		1										
4A	**5197001** *	TROUGH (320689)			1									
4A	**5132226**	TROUGH				1	1							
4A	**5198510** *	TROUGH (327164)											1	
	220640	BOLT, 1/2"-13X1 1/4" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3260 - COVER, GEAR BOX HOUSING												
4A	**5197186** *	COVER ASSY. (320690)	1	1	1	1	1	1	1	1	1	1	1	1
4A	**5111798**	PLUG, 1" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1	1	1
4A	**122408**	BOLT, 1/2"-13X1" (12.9001)	28	28	28	28	28	28	28	28	28	28	28	28
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN. USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3270 - GASKET, GEAR BOX HOUSING COVER												
	5197187 *	GASKET (237334)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED BY DDA. FOR ASSEMBLY OR COMPONENTS REFER CUSTOMER TO THE FALK CORP., MILWAUKEE, WISCONSIN.												

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9.3000A POWER TRANSFER GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 177	178	179	184	185	186	187	189	191	192	197	198
		9.3270 - GASKET, GEAR BOX HOUSING COVER (CONT'D)												
		USE FALK PART NUMBER SHOWN IN PARENTHESES.												
		9.3280 - BREATHER AND FILLER, GEAR BOX												
	5113972	BREATHER AND FILLER	1	1	1	1	1	1	1	1	1	1	1	1
	180121	BOLT, 3/8"-16X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		9.3290 - GASKET, GEAR BOX BREATHER AND FILLER												
	5167380	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		9.3300 - CAP, GEAR BOX BREATHER AND FILLER												
	1528732	CAP (8.1965)	1	1	1	1	1	1	1	1	1	1	1	1
		9.3420 - DIPSTICK, GEAR BOX												
	5146680	DIPSTICK (4.6001)	1	1	1	1	1	1	1	1	1	1	1	1
		9.3425 - GUIDE, GEAR BOX DIPSTICK												
	5109390	GUIDE (DEV. L. 43.16")	1	1	1			1	1	1	1	1	1	1
	5133306 *	GUIDE				1	1							
	111316	ELBOW, 1/2"-90 DEG. STREET (12.9590)	1	1	1				1	1	1	1	1	1
	142365	ELBOW, 1/2"X3/8"-90 DEG. RED. PIPE (12.9600)				1	1							
	137409	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)	1	1	1	1	1	1	1	1	1	1	1	1
	140807	NIPPLE, 1/2"X3" PIPE (12.9560)				1	1							
	142269	BUSHING, 1/2"X3/8" REDUCING (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	5187818	BRACKET, CLIP (9.3541)	1	1	1	1	1	1	1	1	1	1	1	1
	5153473	CLIP (4.6040)	1	1	1	1	1	1	1	1	1	1	1	1
	181595	BOLT, 5/16"-24X3/4" (12.9001)				1	1							
	181596	BOLT, 5/16"-24X7/8" (12.9001)	1	1	1			1	1	1	1	1	1	1
	120393	WASHER, 5/16" FLAT (12.9190)	1	1	1			1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1
	121917	NUT, 5/16"-24 HEX. (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
	137401	NUT, 1/2" INV. FL. TUBE (12.9500)	1	1	1	1	1	1	1	1	1	1	1	1

* NO LONGER AVAILABLE FOR SERVICE.

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9.3000A POWER TRANSFER GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 177	178	179	184	185	186	187	189	191	192	197	198
		9.3450 - FLANGE, PROPELLER DRIVE SHAFT COUPLING												
	5134353	+ FLANGE (FRONT)						1	1			1		1
	5134410	+ FLANGE (REAR)						1	1			1		1
	5134432	+ KEY, 1"X1"X5 1/2" L.						2	2			2		2
	5134440	+ PLATE						2	2			2		2
	214290	+ BOLT, 3/4"-16X2 1/2" (12.9001)						8	8			8		8
		+ OBSOLETE.												
		9.3465 - SHAFT, PROPELLER DRIVE OUTPUT												
	5134348	+ SHAFT						1	1					1
	5136615	+ SHAFT (90.38"L.)										1		
		+ OBSOLETE.												

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Blcer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- **10.1000A Engine Hood**

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

10.1000A ENGINE HOOD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 99	TYPES 106
		10.1020 - HOOD ASSY., RADIATOR		
*	**5124644**	HOOD ASSY. (SHORT) (8V)	1	
*	**5124643**	HOOD ASSY. (SHORT) (6V)		1
	5188167	SHIM (.031") (TO BASE) (10.1005)	AR	AR
	5188166	SHIM (.062") (TO BASE) (10.1005)	AR	AR
	179816	BOLT, 5/16"-18X3/4" (12.9001)	10	
	181596	BOLT, 5/16"-24X7/8" (12.9001)	4	14
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	4	4
	5170971	WASHER (3/8" BEVEL) (5.3015)	4	4
	120393	WASHER, 5/16" FLAT (12.9190)	14	14
	103341	WASHER, 3/8" FLAT (12.9190)	4	4
	103320	LOCKWASHER, 5/16" (12.9200)	14	14
	103321	LOCKWASHER, 5/16" (12.9200)	4	4
	114493	NUT, 5/16"-24 HEX. (12.9120)	14	14
	117049	NUT, 3/8"-24 HEX. (12.9120)	4	4

* FIG. 10B OF 8.0000.

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Blcer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission – Highway
- 9.7000 Transmission – Off-highway
- 9.9000 Transmission – Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- **11.1000A Engine Mounting and Base**
- **11.1000A Engine Mounting and Base (Twin and Quad)**

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

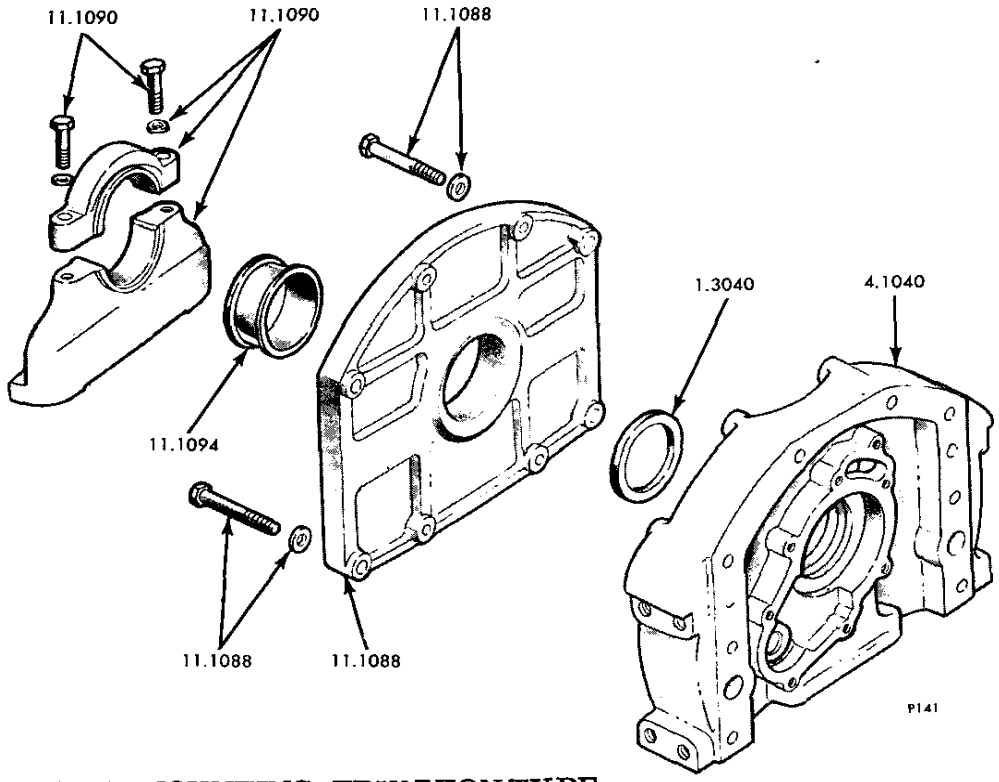

FIG. 1A ENGINE MOUNTING, TRUNNION TYPE

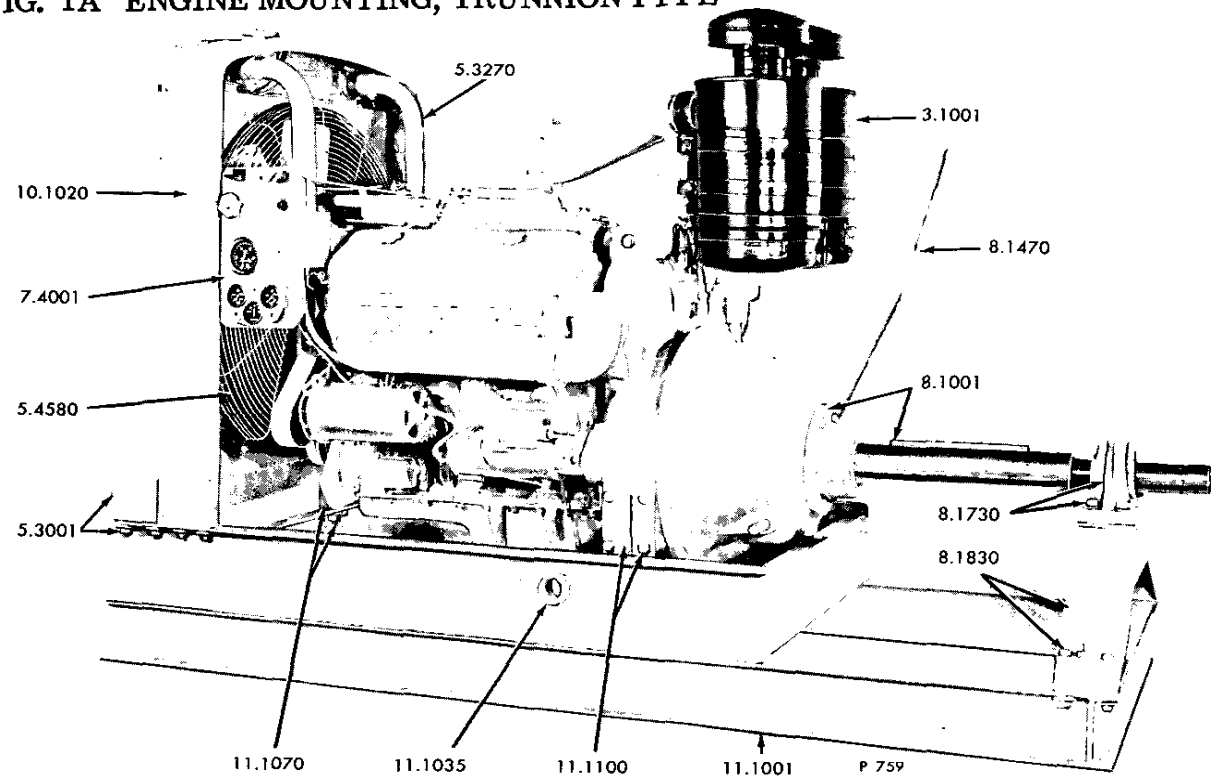

FIG. 1B ENGINE BASE AND PILLOW BLOCK

Figs. 1A & 1B of 11.0000

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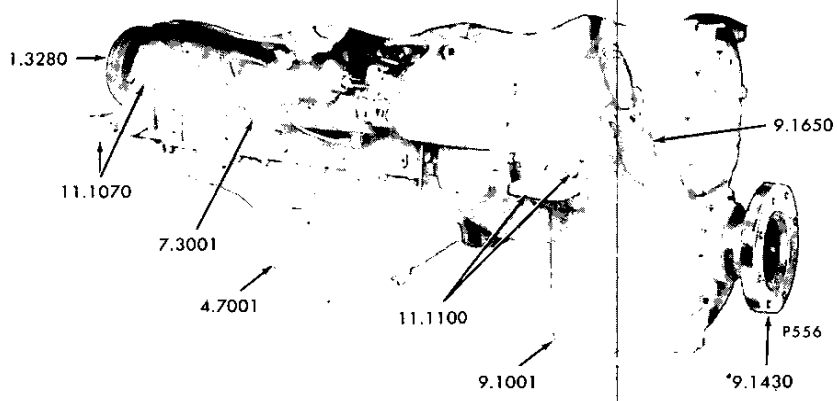

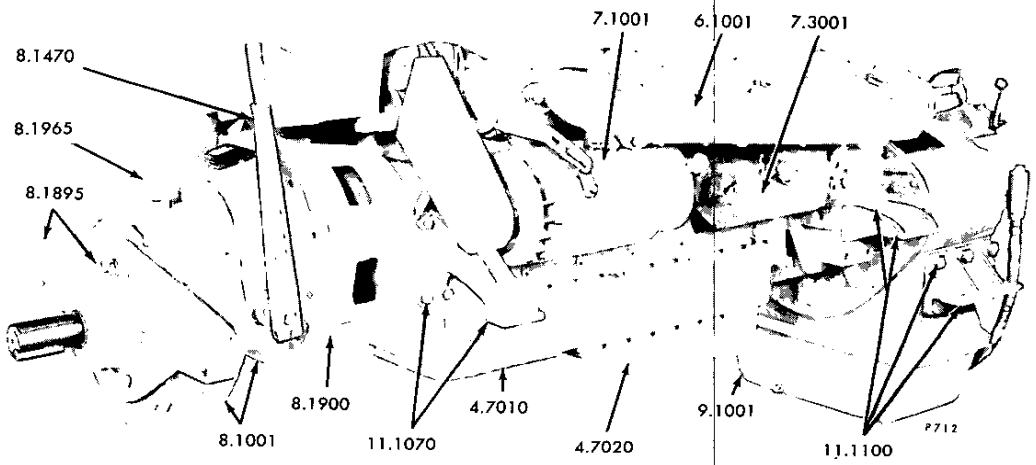

FIG. 2A ENGINE MOUNTING

Fig. 2A of 11.0000

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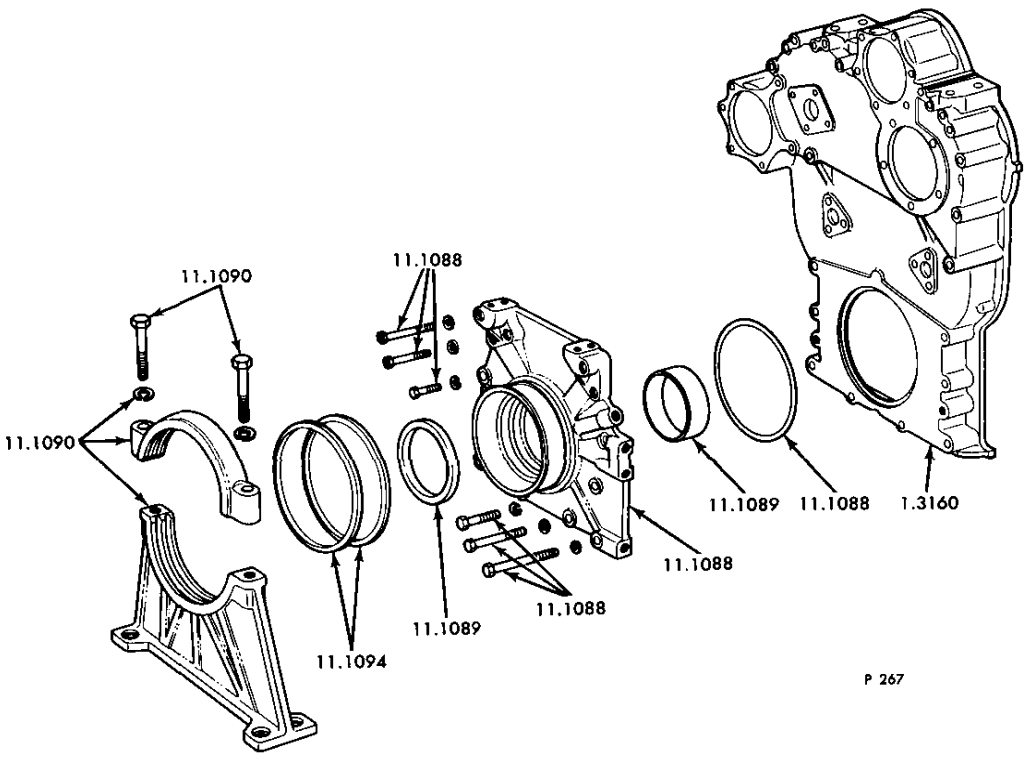

Fig. 2B ENGINE MOUNTING, TRUNNION (16V)

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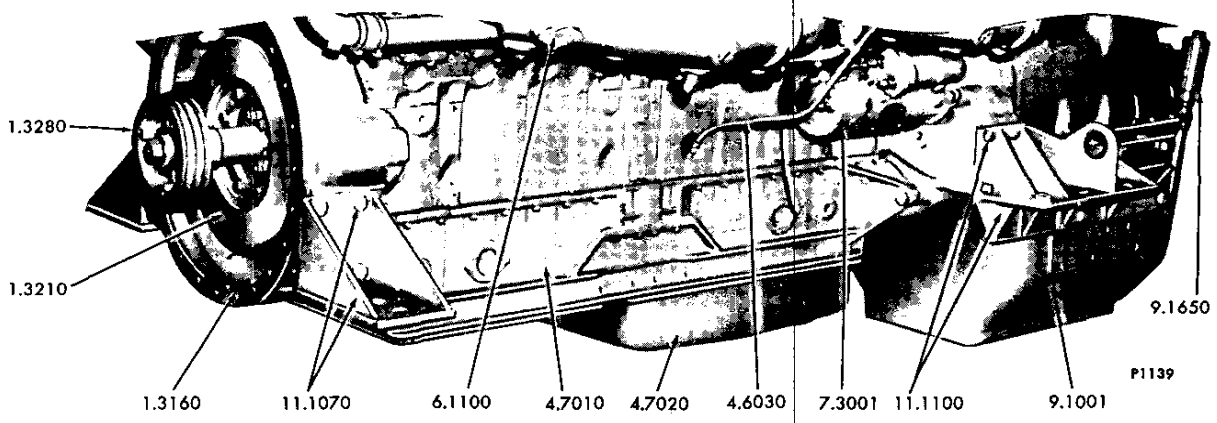

FIG. 2C ENGINE MOUNTING 16V-71 MARINE

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2588	2264	3280	3330	3332	3333	3334	3335	3336	3338	3339	3340
		11.1001 - BASE, ENGINE MOUNTING												
	5123751	+ * BASE (79.66"L.) (INCLUDES CONVERTER TANK) (12V)					1							
	5123698	+ BASE (68.34"L.)(INCLUDES CONVERTER TANK) (8V)							1					
	103869	PLUG, 3/4" PIPE (12.9550)					1		1					
	5170530	WASHER, 3/4" BEVEL					8		8					
		+ REFER TO APPLICABLE TORQUE CONVERTER LINES TYPE FOR FILLER TUBE CAP, DIPSTICK AND COVERS.												
		* NO LONGER AVAILABLE FOR SERVICE; CUSTOMER TO FABRICATE.												
		11.1035 - BUSHING, STARTING MOTOR CABLE INSULATING												
1B	5182716	* NIPPLE (2"X1.62"L.)					1		1					
1B	5173612	+ * BUSHING, 2"					2		2					
1B	5169559	* LOCKNUT, 2"					2		2					
		* USE ONLY WITH ELECTRIC STARTING MOTOR.												
		+ OBSOLETE.												
		11.1070 - SUPPORT, ENGINE FRONT												
2A	5117460	SUPPORT (10.20"L.)			2						2			
1B	5123535	SUPPORT (10.10"L.) (LEFT BANK)						1					1	
1B	5123536	SUPPORT (10.10"L.) (RIGHT BANK)						1					1	
2A	5108022	SUPPORT (4.66"L.)								2				
1B	179839	BOLT, 3/8"-16X1" (12.9001)											2	
2A	180147	BOLT, 7/16"-14X1 1/4" (12.9001)								8				
2A	186725	BOLT, 1/2"-13X1 1/2" (12.9001)			8						8			
1B	442734	BOLT, 1/2"-13X4" (12.9001)						4					4	
1B	271585	BOLT, 5/8"-18X1 3/4" (12.9001)						2					2	
	5168520	WASHER, 5/8" BEVEL (11.1100)											2	
	103321	LOCKWASHER, 3/8" (12.9200)					2						2	
	103322	LOCKWASHER, 7/16" (12.9200)								8				
	103323	LOCKWASHER, 1/2" (12.9200)			8			4			8			
	103325	LOCKWASHER, 5/8" (12.9200)						2					2	
	103030	NUT, 5/8"-18 HEX. (12.9120)						2					2	
		11.1073 - SPACER, ENGINE FRONT SUPPORT												
	5124152	SPACER (1.68"L.)												2
	428759	BOLT, 5/8"-18X4 1/2" (12.9001)												2
	5168520	WASHER, (5/8" BEVEL) (11.1100)												2
	103325	LOCKWASHER, 5/8" (12.9200)												2
	103030	NUT, 5/8"-18 HEX. (12.9120)												2

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	264	328	330	332	333	334	335	336	338	339	340
		11.1088 - TRUNNION, ENGINE FRONT												
1A	5122294	TRUNNION									1			
1A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)									2			
1A	455537	BOLT, 3/8"-16X4" (12.9001)									2			
1A	9415559	BOLT, 1/2"-13X4 1/2" (12.9001									4			
1A	103323	LOCKWASHER, 1/2" (12.9200)									4			
1A	103321	LOCKWASHER, 3/8" (12.9200)									4			
		11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING												
		INCLUDES BOLTS AND LOCKWASHERS IN 11.1090.												
1A	5122102	SUPPORT ASSY.				1								
1A	5179360	SUPPORT ASSY.									1			
1A	454947	BOLT, 7/16"-14X2 1/4" (12.9001)									2			
1A	271565	BOLT, 5/8"-11X2 3/4" (12.9001)				2								
1A	103322	LOCKWASHER, 7/16" (12.9200)									2			
	103325	LOCKWASHER, 5/8" (12.9200)				2								
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTNG CUSHION	SUPPORT											
1A	5122104	RING				1								
1A	5179345	RING									1			
		11.1100 - SUPPORT, ENGINE REAR												
2A,#	5117620	SUPPORT (MARINE GEAR) (RIGHT HAND)								1				
2A,#	5167557	SUPPORT (MARINE GEAR) (LEFT HAND)								1				
	5123803	SUPPORT (ENGINE)											2	2
	5113584	SUPPORT ASSY.	2											
	5113611	SUPPORT ASSY. (11.1120)	2	2										
	5112487	BRACKET (REAR FRAME)	2	2										
1B,@	5117533	BRACKET (ENGINE)			2									
2A,*	5117528	BRACKET (MARINE GEAR) (RIGHT HAND)			1							1		
2A,*	5117531	BRACKET (MARINE GEAR) (LEFT HAND)			1							1		
1B	5117533	BRACKET (ENGINE)										2		
	5112434	PLATE (FLYWHEEL HOUSING)	2											
	180175	BOLT, 1/2"-13X1 1/4" (12.9001)	8											
1B	180176	BOLT, 1/2"-13X1 3/8" (12.9001)			8									
2A	179886	BOLT, 1/2"-13X1 5/8" (12.9001)								4				
2A	186646	BOLT, 1/2"-13X1 3/4" (12.9001)								4				
	181429	BOLT, 1/2"-20X1 1/4" (12.9001)	8	8										
	181720	BOLT, 9/16"-18X1" (12.9001)	6											
	181725	BOLT, 9/16"-18X1 1/4" (12.9001)		4										

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	264	328	330	332	333	334	335	336	338	339	340
		11.1100 - SUPPORT, ENGINE REAR (CONT'D)												
	181737	BOLT, 9/16"-18X3 1/4" (12.9001)		2									8	8
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)											8	8
	271585	BOLT, 5/8"-18X1 3/4" (12.9001)										8		
1B,2A	**271607**	BOLT, 3/4"-10X1 1/2" (12.9001)			8									
	121458	WASHER, 9/16" FLAT (12.9190)		6									12	
	103345	WASHER, 5/8" FLAT (12.9190)												
	103323	LOCKWASHER, 1/2" (12.9200)	8	8	8					8				
	103329	LOCKWASHER, 1/2" (HEAVY) (12.9200)	8											
	103330	LOCKWASHER, 9/16" (12.9200)	AR	AR								AR	AR	AR
	103325	LOCKWASHER, 5/8" (12.9200)										AR		
	103326	LOCKWASHER, 3/4" (12.9200)			AR									
	120371	NUT, 1/2"-20 HEX. (12.9120)	8	8										
		# FIG. 10A OF 9.0000.												
		@ FIG. 10B OF 8.0000.												
		* FIG. 10B OF 9.0000.												
		11.1240 - CONNECTOR, FUEL LINE TO BASE												
		NOTE: USE WITH FLEXIBLE FUEL LINES FABRICATED FROM MATERIAL SHOWN IN 12.8000B.												
	5181080	CONNECTOR (SUPPLY) (4.7100)							1					
	5169475	CONNECTOR (RETURN) (2.5210)							1					
	444040	ELBOW, 1/4" STREET 90 DEG. (12.9590)					1		1					
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)							1					
	103327	LOCKWASHER, 7/8" (12.9200)							2					
	122432	NUT, 7/8"-14 HEX. (12.9120)							2					
		11.1245 - DIPSTICK, TORQUE CONVERTER OIL TANK												
	5162930	DIPSTICK (8.3840)					1		1					
	5153992	TUBE ASSY. (4.6020)					1		1					
	5151430	GUIDE (4.6020)					1		1					
		11.1250 - CAP, OIL TANK BREATHER												
	1528732	CAP ASSY. (8.1965)					1		1					
		11.1251 - PIPE, CONVERTER OIL TANK FILLER												
	5118621	PIPE (9 1/8" L.) (8.3835)					1		1					
	111145	ELBOW, 1 1/4"-45 DEG. STREET (12.9590)					1		1					

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	264	328	330	332	333	334	335	336	338	339	340
		11.1260 - COVER, OIL TANK HAND HOLE												
	5187241	COVER (8.3845)					1		1					
	179839	BOLT, 3/8"-16X1" (12.9001)					6		6					
	103321	LOCKWASHER, 3/8" (12.9200)					6		6					
		11.1261 - GASKET, OIL TANK HAND HOLE COVER												
	5187243	GASKET (8.3850)					1		1					

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3411	3455	3601	3621	3633	3656	3667	3668	3711	3766
		11.1001 - BASE, ENGINE MOUNTING										
1B	5124144	* BASE (79.66"L.) (12V)						1				
1B	5126134	* BASE (109.04"L.) (12V)							1			
1B	5124597	* BASE (90.08"L.) (12V)								1		
1B	5124718	* BASE (68.34"L.) (8V)									1	
1B	5124717	* BASE (59.34"L.) (6V)										1
	5170530	WASHER, 3/4" BEVEL						8	8	8		6
	5170530	WASHER, 3/4" BEVEL									8	
		* NO LONGER AVAILABLE FOR SERVICE; CUSTOMER TO FABRICATE.										
		11.1035 - BUSHING, STARTING MOTOR CABLE INSULA TING										
1B	5182716	* NIPPLE (2"X1.62"L.)						1	1	1	1	1
1B	5173612	+ * BUSHING, 2"						2	2	2	2	2
1B	5169559	* LOCKNUT, 2"						2	2	2	2	2
		* USE ONLY WITH ELECTRIC STARTING MOTOR.										
		+ OBSOLETE.										
		11.1070 - SUPPORT, ENGINE FRONT										
2A	5117460	SUPPORT (10.20"L.)			2	2	2					
1B	5123535	SUPPORT (10.10"L.) (LEFT BANK)	1									
1B	5123536	SUPPORT (10.10"L.) (RIGHT BANK)	1									
2A	5108022	SUPPORT (4.66"L.)		2								
	5125446	SUPPORT (34"L.)					1	1				
1B	180121	BOLT, 3/8"-16X7/8" (12.9001)						2				
1B	179839	BOLT, 3/8"-16X1" (12.9001)	2									
2A	180147	BOLT, 7/16"-14X1 1/4" (12.9001)		8								
2A	186725	BOLT, 1/2"-13X1 1/2" (12.9001)			8	8	8					
1B	442734	BOLT, 1/2"-13X4" (12.9001)	4									
	181455	BOLT, 9/16"-18X1 1/2" (12.9001)					1	1				
	181728	BOLT, 9/16"-18X1 5/8" (12.9001)					1	1				
1B	271585	BOLT, 5/8"-18X1 3/4" (12.9001)	2									
	5168520	WASHER, 5/8" BEVEL (11.1100)	2									
	103321	LOCKWASHER, 3/8" (12.9200)	2									
	103322	LOCKWASHER, 7/16" (12.9200)		8								
	103323	LOCKWASHER, 1/2" (12.9200)			8	8	8					
	120898	LOCKWASHER, 9/16" (12.9200)					2	2				
	103325	LOCKWASHER, 5/8" (12.9200)	2									
	103030	NUT, 5/8"-18 HEX. (12.9120)	2									
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC										
	2373274	INSULATOR ASSY.					1	1				

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3401	3405	3601	3602	3603	3605	3606	3607	3608	3701	3706
		11.1073 - SPACER, ENGINE FRONT SUPPORT											
	271589	BOLT, 5/8"-18X2 1/2" (12.9001)						2					
	5168520	WASHER (5/8" BEVEL) (11.1100)						2					
	103325	LOCKWASHER, 5/8" (12.9200)						2					
	103030	NUT, 5/8"-18 HEX. (12.9120)						2					
		11.1100 - SUPPORT, ENGINE REAR											
	5123803	SUPPORT (ENGINE)						2					
	5124592	SUPPORT (ENGINE)	2										
2A,#	5167557	SUPPORT (MARINE GEAR)		2	2								
2A,*	5126665	SUPPORT (MARINE GEAR) (11.1220)				2	2						
1B,@	5117533	BRACKET (ENGINE)				2	2						
1B	180176	BOLT, 1/2"-13X1 3/8" (12.9001)					8						
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)		8	8								
2A	271557	BOLT, 5/8"-11X1 3/8" (12.9001)				8					8		
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)	8					8					
	271585	BOLT, 5/8"-18X1 3/4" (12.9001)	8					8					
2A	223449	+ BOLT, 3/4"-10X1 3/4" (12.9001)				12	12						
	103345	WASHER, 5/8" FLAT (12.9190)	12										
	103323	LOCKWASHER, 1/2" (12.9200)		8	8		8						
	103325	LOCKWASHER, 5/8" (12.9200)	AR			AR		AR					
	103326	LOCKWASHER, 3/4" (12.9200)				AR		AR					
	117053	NUT, 5/8"-18 HEX. (12.9120)	8	8				8					
		# FIG. 10A OF 9.0000.											
		* FIG. 10B OF 9.0000.											
		@ FIG. 10B OF 8.0000.											
		+ OBSOLETE.											
		11.1240 - CONNECTOR, FUEL LINE TO BASE											
		NOTE: USE WITH FLEXIBLE FUEL LINES FABRICATED FROM MATERIAL SHOWN IN 12.8000B.											
	5108397	CONNECTOR (SUPPLY) (2.5215)							1	1	1		
	5181080	CONNECTOR (SUPPLY) (4.7100)										1	1
	5169475	CONNECTOR (RETURN) (2.5210)							1	1	1	1	1
	444040	ELBOW, 1/4" STREET 90 DEG. (12.9590)							1	1	1	1	1
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)										1	1
	127849	ELBOW, 1/2" STREET 90 DEG. (12.9590)							1	1	1		
	103323	LOCKWASHER, 1/2" (12.9200)							1	1	1		
	103327	LOCKWASHER, 7/8" (12.9200)							1	1	1	2	2
	122432	NUT, 7/8"-14 HEX. (12.9120)							1	1	1	2	2
	427654	NUT, 1 1/8"-12 HEX. (12.9120)							1	1	1		

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 377	378	379	382	383	384	388	390	391	392	393	394
		11.1001 - BASE, ENGINE MOUNTING												
	5124726	* @ BASE (58.70"L.) (INCL. T/C TANK) (6V)	1											
1B	5125817	@ BASE (68.60"L.) (6V)		1										
	5126137	* @ BASE (79.64"L.) (INCL. T/C TANK) (8V)			1									
1B	5126440	@ BASE (43.58"L.) (6V)				1								
1B	5126443	@ BASE (52.84"L.) (6V)					1							
1B	5125818	@ BASE (76.28"L.) (8V)							1					
1B	5125821	@ BASE (97.60"L.) (DOUBLE) (8V)								1				
1B	5126817	@ BASE (65.12"L.) (8V)									1			
1B	5127474	@ BASE (81.66"L.) (DOUBLE) (6V)										1		
	5124727	* @ BASE (67.26"L.) (INCL. T/C TANK) (6V)											1	
1B	5126442	@ BASE (63.12"L.) (12V)												1
	5142549	PLUG, 3/4" PIPE (12.9550)	1		1								1	
	5170530	WASHER (3/4" BEVEL)	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
		* REFER TO APPLICABLE TORQUE CONVERTER LINES TYPE FOR FILLER TUBE, CAP, DIPSTICK AND COVERS.												
		@ NO LONGER AVAILABLE FOR SERVICE; CUSTOMER TO FABRICATE.												
		11.1035 - BUSHING, STARTING MOTOR CABLE INSULATING												
1B	5173612	+ * BUSHING, 2"	2	2	2	2	2		2	2	2	2	2	2
1B	5182716	* NIPPLE (2"X1.62"L.)	1	1	1	1	1		1	1	1	1	1	1
1B	5169559	* LOCKNUT, 2"	2	2	2	2	2		2	2	2	2	2	2
		* USE ONLY WITH ELECTRIC STARTING MOTOR.												
		+ OBSOLETE.												
		11.1088 - TRUNNION, ENGINE FRONT												
1A	5122294	TRUNNION				1		1						
1A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				2		2						
1A	455537	BOLT, 3/8"-16X4" (12.9001)				2		2						
1A	190270	BOLT, 1/2"-13X4 1/4" (12.9001)				4		4						
1A	103321	LOCKWASHER, 3/8" (12.9200)				4		4						
1A	103323	LOCKWASHER, 1/2" (12.9200)				4		4						
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION												
1A	5179345	RING				1		1						

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 377	378	379	382	383	384	388	390	391	392	393	394
		11.1240 - CONNECTOR, FUEL LINE TO BASE												
	5181080	CONNECTOR (SUPPLY) (4.7100)	1	1					1	1	1		1	
	5169475	CONNECTOR (RETURN) (2.5210)	1	1					1	1	1		1	
	444040	ELBOW, 1/4" STREET 90 DEG. (12.9590)	1	1					1	1	1		1	
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)	1	1					1	1	1		1	
	103327	LOCKWASHER, 7/8" (12.9200)	2	2					2	2	2		2	
	122432	NUT, 7/8"-14 HEX. (12.9120)	2	2					2	2	2		2	
		11.1245 - DIPSTICK, TORQUE CONVERTER OIL TANK												
	5162930	DIPSTICK (8.3840)	1										1	
	5153992	TUBE ASSY. (4.6020)	1										1	
	5151430	GUIDE (4.6020)	1										1	
		11.1250 - CAP, OIL TANK BREATHER												
	1528732	CAP ASSY. (8.3837)	1										1	
		11.1251 - PIPE, CONVERTER OIL TANK FILLER												
	5118621	PIPE (9 1/8"L.) (8.3835)	1										1	
	111145	ELBOW, 1 1/4"-45 DEG. STREET (12.9590)	1										1	
		11.1260 - COVER, OIL TANK HAND HOLE												
	5187241	COVER (8.3845)	1										1	
	179839	BOLT, 3/8"-16X1" (12.9001)	6										6	
	103321	LOCKWASHER, 3/8" (12.9200)	6										6	
		11.1261 - GASKET, OIL TANK HAND HOLE COVER												
	5187243	GASKET (8.3850)	1										1	

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3951	3961	3967	3981	3991	4000	4011	4033	4161	4181	4381	4411
		11.1001 - BASE, ENGINE MOUNTING												
1B	**5126445**	* BASE (73.44"L.) (12V)		1										
	5124728	@ * BASE (64.45"L.) (INCL. T/C TANK) (8V)			1									
	5124729	@ * BASE (73.01"L.) (INCL. T/C TANK) (8V)				1								
1B	**5126832**	* BASE (49.36"L.) (8V)					1							
1B	**5126441**	* BASE (52.58"L.) (8V)						1						
1B	**5126444**	* BASE (60.52"L.) (8V)							1					
	5126136	@ * BASE (90.78"L.) (INCL. T/C TANK) (12V)								1				
1B	**5127454**	* BASE (117.98"L.) (12V)									1			
	5142549	PLUG, 3/4" PIPE (12.9550)		1	1					1				
	5170530	WASHER (3/4" BEVEL)		AR	AR	AR	AR	AR	AR	AR	AR			
		* NO LONGER AVAILABLE FOR SERVICE; CUSTOMER TO FABRICATE.												
		@ REFER TO APPLICABLE TORQUE CONVERTER LINES TYPE FOR FILLER TUBE CAP, DIPSTICK AND COVERS.												
		11.1035 - BUSHING, STARTING MOTOR CABLE INSULATING												
1B	**5173612**	+ * BUSHING, 2"		2	2	2	2	2	2	2				
1B	**5182716**	* NIPPLE (2"X1.62"L.)		1	1	1	1	1	1	1				
1B	**5169559**	* LOCKNUT, 2"		2	2	2	2	2	2	2				
		* USE ONLY WITH ELECTRIC STARTING MOTOR.												
		+ OBSOLETE.												
		11.1073 - SPACER, ENGINE FRONT SUPPORT												
	5124152	SPACER (1.68"L.)										2		
	428759	BOLT, 5/8"-18X4 1/2" (12.9001)										2		
	5168520	WASHER (5/8" BEVEL) (11.1100)										2		
	103325	LOCKWASHER, 5/8" (12.9200)										2		
	103030	NUT, 5/8"-18 HEX. (12.9120)										2		
		11.1088 - TRUNNION, ENGINE FRONT												
1A	**5122294**	TRUNNION											1	
1A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)											2	
1A	**455537**	BOLT, 3/8"-16X4" (12.9001)											2	
1A	**9415559**	BOLT, 1/2"-13X4 1/4" (12.9001)											4	
1A	**103321**	LOCKWASHER, 3/8" (12.9200)											4	
1A	**103323**	LOCKWASHER, 1/2" (12.9200)											4	

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 395	396	397	398	399	400	401	403	416	418	438	441
		11.1100 - SUPPORT, ENGINE REAR												
	5124592	SUPPORT (ENGINE)										2		
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)										8		
	103345	WASHER, 5/8" FLAT (12.9190)										8		
	103325	LOCKWASHER, 5/8" (12.9200)										8		
		11.1240 - CONNECTOR, FUEL LINE TO BASE												
	5108397	CONNECTOR (SUPPLY) (2.5215)									1			1
	5181080	CONNECTOR (SUPPLY) (4.7100)			1	1								
	5169475	CONNECTOR (RETURN) (2.5210)			1	1					1			1
	444040	ELBOW, 1/4" STREET 90 DEG. (12.9590)			1	1				1	1			1
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)			1	1								
	127849	ELBOW, 1/2" STREET 90 DEG. (12.9590)									1			1
	103323	LOCKWASHER, 1/2" (12.9200)									1			1
	103327	LOCKWASHER, 7/8" (12.9200)			2	2					1			1
	122432	NUT, 7/8"-14 HEX. (12.9120)			2	2					1			1
	427654	NUT, 1 1/8"-12 HEX. (12.9120)									1			1
		11.1245 - DIPSTICK, TORQUE CONVERTER OIL TANK												
	5162930	DIPSTICK (8.3840)			1	1				1				
	5153992	TUBE ASSY. (4.6020)			1	1				1				
	5151430	GUIDE (4.6020)			1	1				1				
		11.1250 - CAP, OIL TANK BREATHER												
	1528732	CAP ASSY. (8.3837)			1	1				1				
		11.1251 - PIPE, CONVERTER OIL TANK FILLER												
	5118621	PIPE (9 1/8"L.) (8.3835)			1	1				1				
	111145	ELBOW, 1 1/4"-45 DEG. STREET (12.9590)			1	1				1				
		11.1260 - COVER, OIL TANK HAND HOLE												
	5187241	COVER (8.3845)			1	1				1				
	179839	BOLT, 3/8"-16X1" (12.9001)			6	6				6				
	103321	LOCKWASHER, 3/8" (12.9200)			6	6				6				
		11.1261 - GASKET, OIL TANK HAND HOLE COVER												
	5187243	GASKET (8.3850)			1	1				1				

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4044	4045	4049	4050	4055	4056	4067	4069	4070	4081	4084	4085
		11.1001 - BASE, ENGINE MOUNTING												
1B	5127013	* BASE (8V)				1								
1B	5127446	* BASE (12V)						1						
1B	5127014	* BASE (8V)											1	
	5170530	WASHER, 3/4" BEVEL (11.1073)				AR		AR					AR	
		* NO LONGER AVAILABLE FOR SERVICE; CUSTOMER TO FABRICATE.												
		11.1010 - CUSHION, ENGINE MOUNTING ISOLATION PAD												
	5129907	ISOLATOR, VIBRATION										6		
		11.1070 - SUPPORT, ENGINE FRONT												
2A	5108022	SUPPORT (4.66"L.)							2					
2A	5124592	SUPPORT (7.14"L.)					2							
2A	5129840	SUPPORT (9.88"L.)		2										2
2A	5117460	SUPPORT (10.20"L.)	2											
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)							8					
2A	186725	BOLT, 1/2"-13X1 1/2" (12.9001)	8											
2A	271558	BOLT, 5/8"-11X1 1/2" (12.9001)					8							
2A	271561	BOLT, 5/8"-11X1 7/8" (12.9001)		8										8
	103345	WASHER, 5/8" FLAT (12.9120)					8							
	103322	LOCKWASHER, 7/16" (12.9200)							8					
	103323	LOCKWASHER, 1/2" (12.9200)	8											
	103325	LOCKWASHER, 5/8" (12.9200)		8			8							8
		11.1088 - TRUNNION, ENGINE FRONT												
1A	5122294	TRUNNION			1									
2B	5198551	TRUNNION KIT (OUTBOARD BEARING)								AR				
1A	5129941	* # TRUNNION ASSY. (INCLUDES DOWEL)								1	1			
2B	5140865	@ TRUNNION ASSY. (INCLUDES DOWEL)								1	1			
	5151576	DOWEL (1.1001)								2	2			
2B	5186577	SEAL RING (1.2020)								6	6			
2B	5141017	@ SEAL RING								1	1			
2B	5140864	@ BUSHING								1	1			
1A	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2									
1A,2B	9414215	BOLT, 3/8"-16X2 1/2" LOCK (12.9001)								4	4			
1A,2B	9409913	BOLT, 3/8"-16X3 1/4" LOCK (12.9001)								2	2			
1A	114926	BOLT, 3/8"-16X4 1/4" (12.9001)			2									
1A,2B	179864	BOLT, 7/16"-14X1 3/4" (12.9001)								2	2			
1A,2B	190270	BOLT, 1/2"-13X4 1/4" (12.9001)								6	6			
1A,2B	9415559	BOLT, 1/2"-13X4 1/4" (12.9001)			4									
2B	5108435	WASHER, 3/8" FLAT								6	6			
1A	103321	LOCKWASHER, 3/8" (12.9200)			2									

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	445	449	450	455	456	467	469	470	481	484	485
		11.1088 - TRUNNION, ENGINE FRONT (CONT'D)												
1A,2B	103322	LOCKWASHER, 7/16" (12.9200)								2	2			
1A,2B	103323	LOCKWASHER, 1/2" (12.9200)			AR					AR	AR			
		* THRU 16VA-2452.												
		@ EFFECTIVE WITH 16VA-2453.												
		# FOR REPLACEMENT USE 5198551												
		11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING												
2B	5128952	* SUPPORT ASSY. (INCLUDES HARDWARE)								1				
2B	5140869	@ SUPPORT ASSY. (INCLUDES HARDWARE)								1				
2B	271568	BOLT, 5/8"-11X3 1/2" (12.9001)								2				
2B	103325	LOCKWASHER, 5/8" (12.9200)								2				
		* THRU 16VA-2452.												
		@ EFFECTIVE WITH 16VA-2453.												
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTNG SUPPORT CUSHION												
1A	5179345	RING			1									
2B	5162891	* CUSHION, RING SUPPORT								4				
2B	5145029	@ CUSHION (TRUNNION SUPPORT)								4				
		* THRU 16VA-2452.												
		@ EFFECTIVE WITH 16VA-2453.												
		11.1100 - SUPPORT, ENGINE REAR												
1B	5117533	BRACKET (ENGINE)	2						2					
2A	5117528	BRACKET, R.H. (MARINE GEAR)							1					
2A	5117531	BRACKET, L.H. (MARINE GEAR)							1					
	5129840	SUPPORT (ENGINE) (11.1070)		2										2
2A	5124648	* SUPPORT, R.H. (MARINE GEAR)		1										
2A	5124649	* SUPPORT, L.H. (MARINE GEAR)		1										
	5113611	SUPPORT (ENGINE)			2									
	5123803	SUPPORT (ENGINE)					2							
	271557	BOLT, 5/8"-11 X 1 3/8" (12.9001)	4						8					
	273666	BOLT, 5/8"-11 X 1 3/8" 12 PT.	4											
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)					8							
	271585	BOLT, 5/8"-11X1 3/4" (12.9001)					8							
	271561	BOLT, 5/8"-11X1 7/8" (12.9001)		8										8
2A	271607	BOLT, 3/4"-10X1 1/2" (12.9001)							8					
	271656	BOLT, 7/8"-9X2" (12.9001)		12										
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR			AR		AR					AR
	103326	LOCKWASHER, 3/4" (12.9200)							AR					
	103327	LOCKWASHER, 7/8" (12.9200)		12										
	103030	NUT, 5/8"-11 HEX. (12.9120)					8							
		* OBSOLETE.												

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	445	449	450	455	456	467	469	470	481	484	485
		11.1240 - CONNECTOR, FUEL LINE TO BASE												
		NOTE: USE WITH FLEXIBLE FUEL LINES FABRICATED FROM MATERIAL SHOWN IN 12.8000B.												
	5108397	CONNECTOR (SUPPLY) (2.5215)						1						
	5181080	CONNECTOR (SUPPLY) (4.7100)				1								
	5169475	CONNECTOR (RETURN) (2.5210)				1		1					1	
	444040	ELBOW, 1/4" STREET 90 DEG. (12.9590)				1		1					1	
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)				1								
	127849	ELBOW, 1/2" STREET 90 DEG. (12.9590)						1						
	103327	LOCKWASHER, 7/8" (12.9200)				2		1					2	
	122432	NUT, 7/8"-14 HEX. (12.9120)				2		1					2	
	427654	NUT, 1 1/8"-12 HEX. (12.9120)						1						

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 486	492	497	503	513	519	520	522	526	528	531
		11.1001 - BASE, ENGINE MOUNTING											
1B	5134547	* BASE (12V)							1				
1B	5135895	* BASE (8V)								1			
	5170530	WASHER, 3/4" BEVEL (11.1073)							AR	AR			
		* NO LONGER AVAILABLE FOR SERVICE; CUSTOMER TO FABRICATE.											
		11.1010 - CUSHION, ENGINE MOUNTING ISOLATION PAD											
	5129907	ISOLATOR, VIBRATION		8									
		11.1070 - SUPPORT, ENGINE FRONT											
2A	5108022	SUPPORT (4.66"L.)				2					2		
2A	5129840	SUPPORT (9.88"L.)											2
	5102537	PLATE (11.1072)						1					
	5135136	* PLATE						1					
	5102539	PLATE						1					
	5102538	ADAPTOR						1					
	455537	BOLT, 3/8"-16X4" (12.9001)						2					
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)				8					8		
2A	271561	BOLT, 5/8"-11X1 7/8" (12.9001)											8
	103322	LOCKWASHER, 7/16" (12.9200)				8					8		
	103325	LOCKWASHER, 5/8" (12.9200)											8
		* OPTIONAL TO 5145600, 5145598 AND 5145728 TO MEET MINIMAL CLEARANCE REQUIREMENTS.											
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC											
	5130503	MOUNTING ASSY.						2					
	5102537	PLATE						2					
	5102539	PLATE (11.1070)						2					
	187201	BOLT, 1/2"-13 X 4 3/4" (12.9001)						4					
	5157244	BOLT, 3/8"-16X1 3/4"						2					
	187152	BOLT, 1/2"-13X5" (12.9001)						4					
	103321	LOCKWASHER, 3/8" (12.9200)						2					
		* OPTIONAL TO 5145600, 5145598 AND 5145728 TO MEET MINIMAL CLEARANCE REQUIREMENTS.											
		11.1088 - TRUNNION, ENGINE FRONT											
1A	5122294	TRUNNION										1	
1A	5199392	* TRUNNION ASSY. (INCLUDES DOWEL)	1										
1A	5134522	TRUNNION					1						
	5151576	DOWEL (1.1001)	2										
2B	5186577	SEAL RING (1.2020)	6										
1A	186679	BOLT, 3/8"-16X1 1/4" (12.9001)					2					2	
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	6										
1A	455537	BOLT, 3/8"-16X4" (12.9001)					2						
1A	114926	BOLT, 3/8"-16X4 1/4" (12.9001)										2	
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)	2										
1A,2B	190270	BOLT, 1/2"-13X4 1/4" (12.9001)	6										
1A,2B	9415559	BOLT, 1/2"-13X4 1/4" (12.9001)					4					4	
2B	5108435	WASHER, 3/8" FLAT	6										

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 486	492	497	503	513	519	520	522	526	528	531
		11.1088 - TRUNNION, ENGINE FRONT (CONT'D)											
1A	103321	LOCKWASHER, 3/8" (12.9200)					2					2	
1A,2B	103322	LOCKWASHER, 7/16" (12.9200)	2										
1A,2B	103323	LOCKWASHER, 1/2" (12.9200)	AR										
		* NOT SERVICED USE 5145757											
		11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING											
	5109560	SUPPORT ASSY. (INCLUDES HARDWARE)			1								
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTNG CUSHION	SUPPORT										
1A	5179345	RING										1	
	5122104	RING			1								
		11.1100 - SUPPORT, ENGINE REAR											
1B	5117533	BRACKET (ENGINE)				2							
	5145600	BRACKET				2		2					
	5130502 *	BRACKET											
	5145598	BRACKET				2							1
2A	5136564	BRACKET, L.H. (MARINE GEAR)				2							
	5145728	BRACKET (11.1020)											1
2A	5136424	BRACKET, R.H. (MARINE GEAR)											1
	5136597	SHIM (.005")											1
	5136598	SHIM (.031")											1
	5136599	SHIM (.062")											
2A	5126665	SUPPORT (MARINE GEAR) (11.1220)				2					2		
2A	5124592	SUPPORT (ENGINE)				8		8			8		
	271557	BOLT, 1/2"-13X1 3/8" (12.9001)											
	186689	BOLT, 1/2"-13X1" (12.9001)						8					
	271585	BOLT, 5/8"-11X1 3/4" (12.9001)									8		
	271562	BOLT, 5/8"-11X2" (12.9001)											8
2A	271607	BOLT, 3/4"-10X1 1/2" (12.9001)				12							12
	271619	BOLT, 3/4"-10X4" (12.9001)						8					
	103323	LOCKWASHER, 1/2" (12.9200)											
	103325	LOCKWASHER, 5/8" (12.9200)				AR					AR		AR
	103326	LOCKWASHER, 3/4" (12.9200)				AR							AR
	103030	NUT, 5/8"-11 HEX. (12.9120)									8		
		* OPTIONAL TO 5145600, 5145598 AND 5145728 TO MEET MINIMAL CLEARANCE REQUIREMENTS.											
		11.1120 - MOUNTING, ENGINE REAR SUPPORT ELASTIC											
	5130471 *	MOUNTING ASSY.						2					
	5145598	BRACKET						2					
	5145728	BRACKET						2					
	187201	BOLT, 1/2"-13X4 3/4" (12.9001)						4					
	187152	BOLT, 1/2"-13 X 5" (12.9001)						4					
	103323	LOCKWASHER, 1/2" (12.9200)						4					
		* OPTIONAL TO 5145600, 5145598 AND 5145728 TO MEET MINIMAL CLEARANCE REQUIREMENTS.											

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 486	492	497	503	513	519	520	522	526	528	531
		11.1120 - MOUNTING, ENGINE REAR SUPPORT ELASTIC(CONT'D)											
	102637	NUT, 1/2"-13 HEX. (12.9120)						4					

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	543	551	552	555	558	559	571	572	574	584	585
		11.1001 - BASE, ENGINE MOUNTING												
1B	5140441	@ BASE (8V)				1								
	5170530	WASHER, 3/4" BEVEL				8								
		@ NO LONGER AVAILABLE FOR SERVICE; CUSTOMER TO FABRICATE.												
		11.1070 - SUPPORT, ENGINE FRONT												
2A	5129840	SUPPORT (9.88"L.)		2										
2A	5140265	@ SUPPORT			1									
2A	5140264	@ SUPPORT			1									
2A	5117460	SUPPORT						2		2	2		2	
	5142274	SUPPORT										1		
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)			8									
2A	186725	BOLT, 1/2"-13X1 1/2" (12.9001)						8		8	8		8	
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)			2									
2A	190270	BOLT, 1/2"-13X4 1/4" (12.9001)			4									
2A	271561	BOLT, 5/8"-11X1 7/8" (12.9001)		8										
	271568	BOLT, 5/8"-11X3 1/2" (12.9001)										4		
	271570	BOLT, 5/8"-11X4" (12.9001)										6		
2A	271585	BOLT, 5/8"-18X1 3/4" (12.9001)			4									
	5168520	WASHER, 5/8" BEVEL (11.1100)			4									
	103322	LOCKWASHER, 7/16" (12.9200)			8									
	103323	LOCKWASHER, 1/2" (12.9200)						8		8	8		8	
	103325	LOCKWASHER, 5/8" (12.9200)		8	4							10		
	103030	NUT, 5/8"-18 HEX. (12.9120)			4									
		@ NO LONGER AVAILABLE FOR SERVICE; CUSTOMER TO FABRICATE.												
		11.1088 - TRUNNION, ENGINE FRONT												
1A	5138688	TRUNNION	1											
2B	5144707	TRUNNION ASSY. (INCLUDES BEARING AND SEAL IN 11.1089)					1		1					1
	5198551	TRUNNION KIT (OUTBOARD BEARING)							AR					
2B	5186577	SEAL RING (1.2020)					6		6					6
2B	5141017	SEAL RING					1		1					1
1A	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2											
2B	9414215	BOLT, 3/8"-16X2 1/2" (12.9001)					4		4					4
2B	9409913	BOLT, 3/8"-16X3 1/4" LOCK (12.9001)					2		2					2
1A	9409914	BOLT, 3/8"-16X4 1/4" LOCK (12.9001)	2											
2B	427564	BOLT, 7/16"-14X1 3/8" (12.9001)					2		2				2	2
2B	186659	BOLT, 1/2"-13X3 3/4" (12.9001)					2		2					2
2B	442734	BOLT, 1/2"-13X4" (12.9001)					2		2					2
1A,2B	9415559	BOLT, 1/2"-13X4 1/4" (12.9001)	4				2		2					2
2B	5108435	WASHER, 3/8" (12.9410)					6		6					6
1A	103321	LOCKWASHER, 3/8" (12.9200)	2											
2B	103322	LOCKWASHER, 7/16" (12.9200)					2		2					2

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	543	551	552	555	558	559	571	572	574	584	585
	11.1088	**- TRUNNION, ENGINE FRONT (CONT'D)**												
2B	**103323**	LOCKWASHER, 1/2" (12.9200)					6		6					6
	11.1089	**- BEARING, CRANKSHAFT FRONT TRUNNION**												
4A	**5140864**	BEARING					1		1					1
	5199321	BEARING (.020" U.S., I.D.)					AR		AR					AR
4A	**5197860**	* SEAL ASSY. (1.3060)					1		1					1
		* NOT SERVICED. FOR A FRONT SEAL REPLACEMENT USE 8927749 R.H AND 8927748 L.H. ROTATING ENGS.												
	11.1090	**- SUPPORT, ENGINE FRONT TRUNNION MOUNTING**												
1A,2B	**5140869**	SUPPORT ASSY. (INCLUDES HARDWARE)							1					
2B	**271568**	BOLT, 5/8"-11X3 1/2" (12.9001)							2					
2B	**103325**	LOCKWASHER, 5/8" (12.9200)							2					
	11.1092	**- TUBE, ENGINE FRONT TRUNNION BEARING LUBRICATING**												
	5139619	* TUBE					1		1					
	5199575	HOSE, BULK #6X25 FT. (7 1/2"L.) (12.8550)												1
	5179936	CONNECTOR, 3/8" SEALASTIC (12.9415)					2		2					
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)												2
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.8552)												1
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.8552)												1
	5179938	RING, SEAL 3/8" SEALASTIC (12.9435)					2		2					
	5179937	NUT, 3/8" SEALASTIC (12.9445)					2		2					
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
	11.1094	**- RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION**												
2B	**5145029**	CUSHION							4					
	11.1100	**- SUPPORT, ENGINE REAR**												
2A	**5138538**	BRACKET, R.H. (MARINE GEAR)		1										
2A	**5138699**	BRACKET, L.H. (MARINE GEAR)		1										
2A	**5144062**	BRACKET, R.H. (MARINE GEAR)						1						

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11.1000A ENGINE MOUNTING AND BASE

11.1100 - SUPPORT, ENGINE REAR (CONT'D)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 541	543	551	552	555	558	559	571	572	574	584	585
2A	5143981	BRACKET, L.H. (MARINE GEAR)						1						
2A	5136564	BRACKET, L.H. (MARINE GEAR)								1	1			
2A	5136424	BRACKET, R.H. (MARINE GEAR)								1	1			
	5142278	BRACKET, R.H. (MARINE GEAR)										1		
	5142279	BRACKET, L.H. (MARINE GEAR)										1		
2A	5139105	BRACKET, R.H. (MARINE GEAR)											1	
2A	5139104	BRACKET, L.H. (MARINE GEAR)											1	
	5139106	PLATE											1	
2A	5140291	@ SUPPORT (ENGINE)			2									
	5136597	SHIM (.005")		1						1	1			
	5141325	@ SHIM (.005") (11.1102)						2						
	5136598	SHIM (.031")		1						1	1			
	5141327	@ SHIM (.031") (11.1102)						2						
	5136599	SHIM (.062")		1						1	1			
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)											11	
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)											10	
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)											8	
	426449	BOLT, 5/8"-11X1 5/8" (12.9001)			8									
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)						8						
	271562	BOLT, 5/8"-11X2" (12.9001)		8						8	8			
	271585	BOLT, 5/8"-18X1 3/4" (12.9001)			4									
	271607	BOLT, 3/4"-10X1 1/2" (12.9001)										8		
	223452	BOLT, 3/4"-10X2 1/2"		12										
	271614	BOLT, 3/4"-10X2 3/4" (12.9001)						12						
	271619	BOLT, 3/4"-10X4" (12.9001)								12	12			
	103322	LOCKWASHER, 7/16" (12.9200)											11	
	103323	LOCKWASHER, 1/2" (12.9200)											18	
	103325	LOCKWASHER, 5/8" (12.9200)		8	12			8		8	8			
	103326	LOCKWASHER, 3/4" (12.9200)		12				12		12	12	8		
	103028	NUT, 1/2"-20 HEX. (12.9120)											8	
	103030	NUT, 5/8"-18 HEX. (12.9120)			4									

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5866	5957	6066	6222	6223	6224	6227	6229	6336	6337	6339	6340	6343
		11.1010 - CUSHION, ENGINE MOUNTING ISOLATION PAD													
	5145575	ISOLATION, VIBRATION (11.1072)						14	14	8	4				8
	186725	BOLT, 1/2 -13X1 1/2 (12.9001)								4	4				
	186689	BOLT, 1/2 -13X2 (12.9001)								4	4				
	271570	BOLT, 5/8"-11X4" (12.9001)								2					4
	103323	LOCKWASHER, 1/2" (12.9200)								8	8				
	103325	LOCKWASHER, 5/8" (12.9200)								2					4
	102639	NUT, 5/8"-11" (12.9120)								2					4
		11.1020 - CUP, ENGINE MOUNTING BASE ISOLATION PAD													
	5140425	SPACER						3	3	2					4
		11.1070 - SUPPORT, ENGINE FRONT													
	5123535	SUPPORT (10.10"L.) (LEFT BANK)			1										
	5123536	SUPPORT (10.10"L.) (RIGHT BANK)			1										
	2645093	SUPPORT					2								
	5148370	SUPPORT						1	1						
	5148372	ADAPTOR						1	1						
	5102538	ADAPTOR								1					
	5148371	PLATE, ADAPTOR						2	2						
	5102539	PLATE, ADAPTOR								1					
	179839	BOLT, 3/8 -16X2 (1.9001)			2										
	186612	BOLT, 3/8 -16X1 3/8 (12.9001)								2					
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)					8								
	186659	BOLT, 1/2"-13X3 3/4" (12.9001)						4	4	3					
	442734	BOLT, 1/2"-13X4" (12.9001)			4										
	190256	BOLT, 1/2 -13X4 1/2 (12.9001)								2					
	186295	BOLT, 1/2 -13X5 1/2 (12.9001)								2					
	271560	BOLT, 5/8"-11X1 3/4" (12.9001)						8							
	271562	BOLT, 5/8"-11X2" (12.9001)						2	2						
	271570	BOLT, 5/8"-11X4" (12.9001)						7	7						
	271585	BOLT, 5/8"-18X1 3/4" (12.9001)			2										
	103321	LOCKWASHER, 3/8" (12.9200)			2					2					
	103322	LOCKWASHER, 7/16" (12.9200)					8								
	103323	LOCKWASHER, 1/2" (12.9200)						4	4	7					
	103325	LOCKWASHER, 5/8" (12.9200)			2			17	5						
	103326	LOCKWASHER, 3/4" (12.9200)						8							
	102637	NUT, 1/2"-13 HEX. (12.9120)						4	4	3					
	117066	NUT, 5/8"-11 HEX. (12.9120)						7	7						
	103030	NUT, 5/8"-18 HEX. (12.9120)			2										
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELAST IC													
	5102537	MOUNT								1					

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5866	5967	6066	6222	6223	6224	6227	6229	6366	6367	6399	6400	6443
		11.1088 - TRUNNION, ENGINE FRONT													
2B	**5145757**	TRUNNION (11.1075)		1		1							1	1	
1A	**8920886**	TRUNNION													
2B	**5144707**	TRUNNION ASSY. (INCLUDES BEARING AND SEAL IN 11.1089)	1										1	1	
2B	**5103957**	TRUNNION ASSY.	6	6											
2B	**5186577**	SEAL RING (1.2020)	1			2							2	2	
2B	**5141017**	SEAL RING	4												
1A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)	2												
2B	**179850**	BOLT, 3/8"-16X2 3/4" (12.9001)		6		2							2	2	
2B	**186283**	BOLT, 3/8"-16X3 1/2" (12.9001)		2											
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)				4							4	4	
1A	**455537**	BOLT, 3/8"-16X4" (12.9001)		6											
2B	**180147**	BOLT, 7/16"-14X1 1/4" (12.9001)	2			2							2	2	
2B	**427564**	BOLT, 7/16"-14X1 3/8" (12.9001)	2												
2B	**186659**	BOLT, 1/2"-13X3 3/4" (12.9001)	2												
2B	**442734**	BOLT, 1/2"-13X4" (12.9001)	2			4							4	4	
1A,2B	**9415559**	BOLT, 1/2"-13X4 1/4" (12.9001)		6											
2B	**190270**	BOLT, 1/2"-13X4 1/2" (12.9001)	6			2							2	2	
2B	**5108435**	WASHER, 3/8" (12.4010)													
1A	**103321**	LOCKWASHER, 3/8" (12.9200)	2	2											
2B	**103322**	LOCKWASHER, 7/16" (12.9200)	6	6											
2B	**103323**	LOCKWASHER, 1/2" (12.9200)													
		11.1089 - BEARING, CRANKSHAFT FRONT TRUNNION													
4A	**5140864**	BEARING	1												
	5199321	BEARING (.020" U.S., I.D.)	AR												
4A	**5197860**	* SEAL ASSY. (1.3060)	1												
		* NOT SERVICED. FOR A FRONT SEAL REPLACEMENT USE 8927749 R.H. AND 8927748 L.H. ROTATING ENGS.													
		11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING													
1A,2B	**5140869**	SUPPORT ASSY. (INCLUDES HARDWARE)	1												
2B	**5103957**	SUPPORT ASSY. (INCLUDES HARDWARE)				1							1	1	
	454934	BOLT, 7/16"-14 X 2 1/2" (12.9001)											2	2	
2B	**271568**	BOLT, 5/8"-11X3 1/2" (12.9001)	2										2	2	
2B	**103322**	LOCKWASHER, 7/16" (12.9200)													
2B	**103325**	LOCKWASHER, 5/8" (12.9200)	2												
		11.1092 - TUBE, ENGINE FRONT TRUNNION BEARING LUBRICATING													
	5199575	HOSE, BULK #6X25 FT. (7 1/2"L.) (12.8550)	1												
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2												
	5199579	FITTING, HOSE 5/8"-18 INV. FL. STR. (12.8552)	1												
	5199588	FITTING, HOSE 5/8"-18 INV. FL. 90 DEG. (12.8552)	1												

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5866	5977	6066	6222	6223	6224	6227	6229	6336	6337	6339	6400	6443
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTNG SUPPORT CUSHION													
2B	5145029	CUSHION	4												
2B	5103566	CUSHION				1							1	1	
		11.1100 - SUPPORT, ENGINE REAR													
1B	5117533	BRACKET (ENGINE)				2	2					2	2		
2A	5148433	BRACKET, ENGINE AND GEAR (FRONT)						2	2						2
2A	5148432	BRACKET, ENGINE AND GEAR (REAR)						2	2						2
2A	5117528	BRACKET, R.H. (MARINE GEAR)				1	1					1	1		
2A	5117531	BRACKET, L.H. (MARINE GEAR)				1	1					1	1		
1B	5113799	SUPPORT (ENGINE)			2										
	5148294	SUPPORT, ENGINE AND GEAR L.H.						1							
	5148419	SUPPORT, ENGINE AND GEAR R.H.						1							
	5148418	SUPPORT, ENGINE AND GEAR L.H.							1						1
	5148413	SUPPORT, ENGINE AND GEAR R.H.							1						1
	5145600	ADAPTOR								2	2				
	5148617	SHIM (.005")						1	1						
	5148618	SHIM (.010")						1	1						
1B	271557	BOLT, 1/2"-13X1 3/8" (12.9001)				8	8					8	8		
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)							4						4
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)							4						4
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)			8										
	271560	BOLT, 5/8"-11X1 3/4" (12.9001)						8							
	271561	BOLT, 5/8"-11X1 7/8" (12.9001)							8						8
	223441	BOLT, 5/8 -11X3 1/4 (12.9001)								2	2				
2A	271570	BOLT, 5/8"-11X4" (12.9001)						4							
	271585	BOLT, 5/8"-18X1 3/4" (12.9001)			8										
	271607	BOLT, 3/4"-10X1 1/2" (12.9001)				8	8	8				8	8		
	103323	LOCKWASHER, 1/2" (12.9200)							8						8
	103325	LOCKWASHER, 5/8" (12.9200)			16	8	8	12	8	2	2	8	8		8
	103326	LOCKWASHER, 3/4" (12.9200)				8	8	8				8	8		
	102639	NUT, 5/8 -11 (12.9120)								2	2				
	103030	NUT, 5/8"-18 HEX. (12.9120)			8										

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 644	645	654	659	661	672
		11.1010 - CUSHION, ENGINE MOUNTING BASE ISOLATION PAD						
1A,1B	**5145575**	ISOLATION VIBRATION (11.1072)			4	8		6
1A,1B	**5145673**	ISOLATION VIBRATION			4			
	271570	BOLT, 5/8"-11X4" (12.9001)			6	2		3
	103323	LOCKWASHER, 1/2" (12.9200)			8			
	103325	LOCKWASHER, 5/8" (12.9200)			2	2		3
	102639	NUT, 5/8"-11 (12.9120)			4	2		3
		11.1020 - CUP, ENGINE MOUNTING BASE ISOLATION PAD						
1A,1B	**5140425**	SPACER			6	4		3
		11.1070 - SUPPORT, ENGINE FRONT						
1A,1B	**5108022**	SUPPORT, ENGINE	2	2				
1A,1B	**5148370**	SUPPORT, ENGINE			1			1
1B	**8922602**	SUPPORT, ENGINE					2	
1A,1B	**5102538**	ADAPTOR			1	1		
1A,1B	**5148372**	ADAPTOR						1
1A,1B	**5102539**	PLATE, ADAPTOR			1	1		
1A,1B	**5148371**	PLATE, ADAPTOR						2
	186612	BOLT, 3/8"-16X1 1/2" (12.9001)			2	2		
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)	8	8				
	186659	BOLT, 1/2"-13X3 3/4" (12.9001)			3	3		4
	190256	BOLT, 1/2"-13X4 1/2" (12.9001)			2	2		
	186295	BOLT, 1/2"-13X5 1/2" (12.9001)			2	2		
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)					8	
	271562	BOLT, 5/8"-11X2" (12.9001)						2
	103321	LOCKWASHER, 3/8" (12.9200)			2	2		
	103322	LOCKWASHER, 7/16" (12.9200)	8	8		7		.
	103323	LOCKWASHER, 1/2" (12.9200)						4
	103325	LOCKWASHER, 5/8" (12.9200)					8	2
	102637	NUT, 1/2"-13 (12.9120)			3	3		4
	102639	NUT, 5/8"-11 (12.9120)			2			
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC						
1A,1B	**5145575**	MOUNT			4			
		11.1100 - SUPPORT, ENGINE REAR						
2A	**5117531**	BRACKET, L.H. (MARINE GEAR)			1			
1B	**5117533**	BRACKET, ENGINE		2				
1B	**5148433**	BRACKET, ENGINE AND GEAR (FRONT)			2			
1B	**5148432**	BRACKET, ENGINE AND GEAR (REAR)			2			
1B	**5167557**	BRACKET, ENGINE	2					
2A	**5117528**	BRACKET, R.H. (MARINE GEAR)		1				
1B	**8922449**	BRACKET, R.H. (MARINE GEAR)					1	
1B	**8922450**	BRACKET, L.H. (MARINE GEAR)					1	
2A	**8921860**	ADAPTOR, ENG. MT. R.R. (MARINE GEAR)				2		
2A	**8921843**	MOUNT, ENGINE L.H. (MARINE GEAR)				2		
2A	**8921842**	MOUNT, ENGINE R.H. (MARINE GEAR)				1		
2A	**8921859**	MOUNT, ENGINE R.R. (MARINE GEAR)				1		
	5126665	SUPPORT (MARINE GEAR)		2				
	5148294	SUPPORT, ENGINE AND GEAR L.H.			1			
	5148617	SHIM (.005")			1			
	5136597	SHIM (.005")					AR	
	5136598	SHIM (.031")					AR	

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 644	645	654	659	661	672
		11.1100 - SUPPORT, ENGINE REAR (CONT'D)						
	5136599	SHIM (.062")					AR	
1B	**271557**	BOLT, 1/2"-13 X 1 3/8" (12.9001)		8				
1B	**186646**	BOLT, 1/2"-13 X 1 3/4" (12.9001)	8					
1B	**223435**	BOLT, 1/2"-11X1 3/4" (12.9001)			8			
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)					8	
	271568	BOLT, 5/8"-11X3 1/2" (12.9001)				1		
	271570	BOLT, 5/8"-11X4" (12.9001)				1		
	271607	BOLT, 3/4"-10X1 1/2" (12.9001)		20	8			
	223452	BOLT, 3/4"-10X2 1/2"					12	
	103323	LOCKWASHER, 1/2" (12.9200)	8					
	103325	LOCKWASHER, 5/8" (12.9200)		8	8	2	8	
	103326	LOCKWASHER, 3/4" (12.9200)		20	8		12	
	103345	WASHER, 5/8" (12.9120)				8		
	102639	NUT, 5/8"-11 (12.9210)				2		

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11.1000A ENGINE MOUNTING AND BASE (TWIN AND QUAD)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4558	4593	5117
		11.1120 - MOUNTING, ENGINE REAR SUPPORT ELASTIC (TWIN AND QUAD)			
2A	**5145598**	MOUNT	2		2
2A	**5145728**	MOUNT	2		2
		11.1001 - BASE, ENGINE MOUNTING (TWIN AND QUAD)			
1A,1B	**5129233**	* BASE	1		
1A,1B	**5134347**	* BASE			1
	223784	BOLT, 1 -14X2 3/4" (12.9001)	8		8
	121326	LOCKWASHER, 1" (12.9200)	8		8
		* NO LONGER AVAILABLE FOR SERVICE; CUSTOMER TO FABRICATE.			
		11.1070 - SUPPORT, ENGINE FRONT (TWIN AND QUAD)			
2A	**5117460**	SUPPORT	4		
	5180539	GASKET (COPPER) (2.9333)	8		
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)	16		
	428204	BOLT, 5/8"-11X1" (12.9001)	8		
	237037	BOLT, 7/8"-14X5 1/4" (12.9001)	4		
	103323	LOCKWASHER, 1/2" (12.9200)	16		
	103327	LOCKWASHER, 7/8" (12.9200)	4		
	218200	NUT, 7/8"-14 HEX. (12.9120)	4		
		11.1080 - SHIM, ENGINE SUPPORT (TWIN AND QUAD)			
	5160211	* SHIM (.005")	AR		
	5160210	* SHIM (.015")	AR		
	5179108	* SHIM (.062")	AR		
		* OBSOLETE.			
		11.1100 - SUPPORT, ENGINE REAR			
2A	**5129840**	SUPPORT (ENGINE)		4	
	271561	BOLT, 5/8"-11X1 7/8" (12.9001)		16	
	103325	LOCKWASHER, 5/8" (12.9200)		16	

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Blcer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- **12.2000A Bilge Pump**
- **12.3000A Vacuum Pump**
- **12.4000A Air Compressor**
- **12.5000A Hydraulic Pump**
- **12.6000A Gasoline Starter**
- **12.6000B Air Starter**
- **12.6000C Cold Weather Starting Aid**
- **12.6000D Hydraulic Starter**
- **12.6000E Hydraulic Starter Accessories**
- **12.8000A Supplies**
- **12.8000B Fabrication Material**
- **12.8000C Miscellaneous Service Kits and Sets**
- **12.8000D Miscellaneous Service Parts**

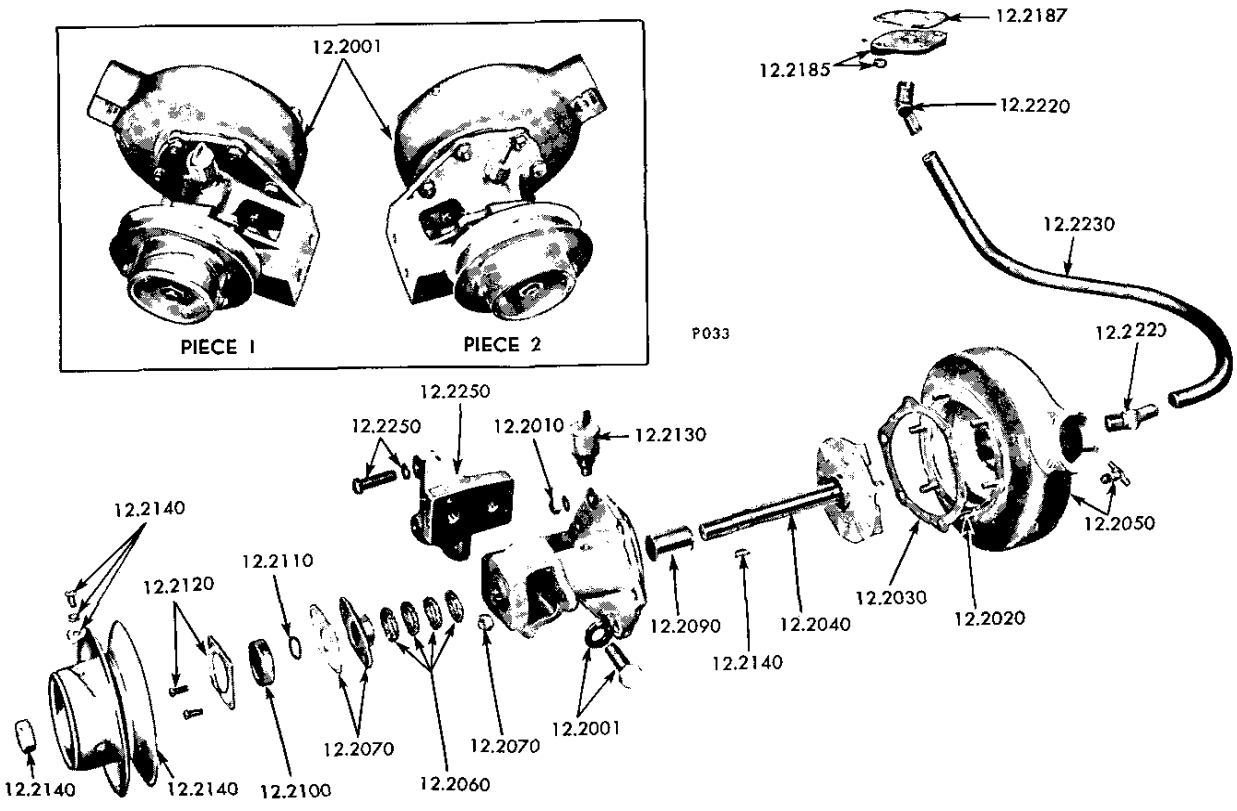

FIG. 1A BILGE PUMP

Fig. 1A of 12.0000

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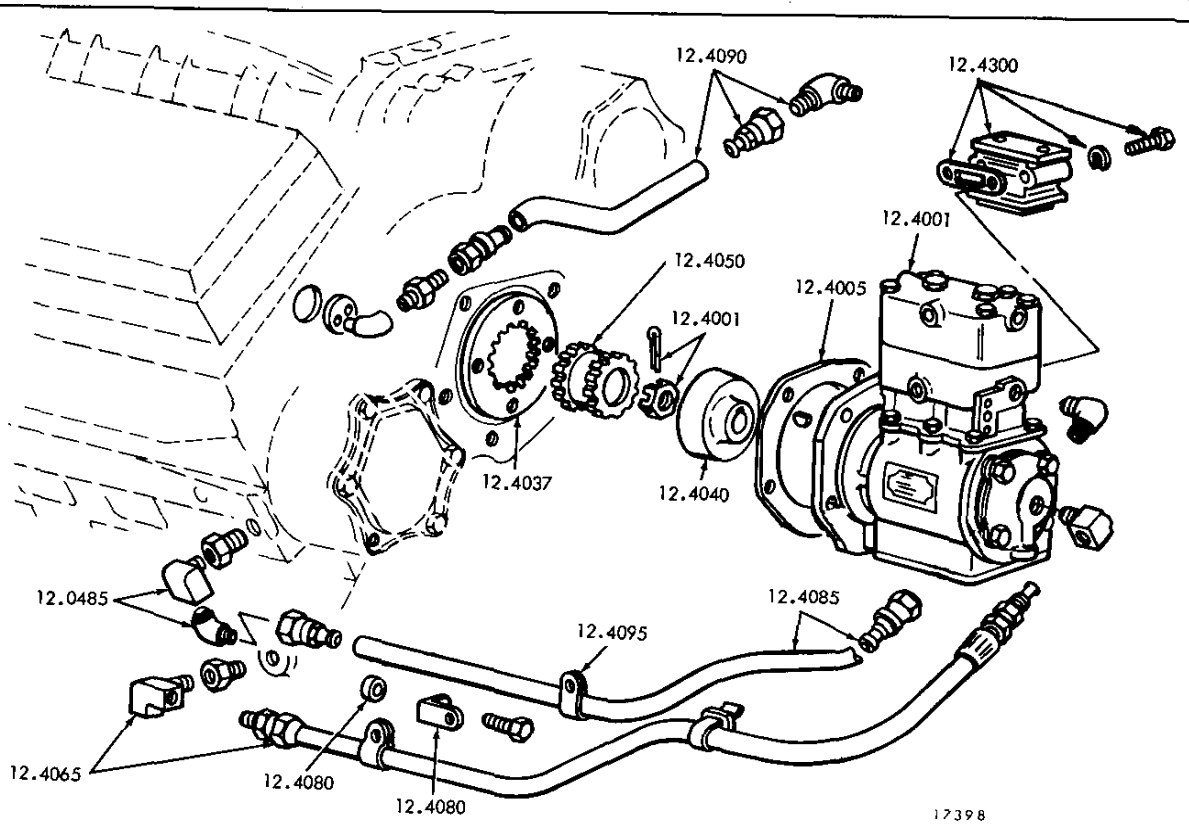

FIG. 2A 12 CFM. COMPRESSOR FLANGE MTD. WITH AIR STRAINER

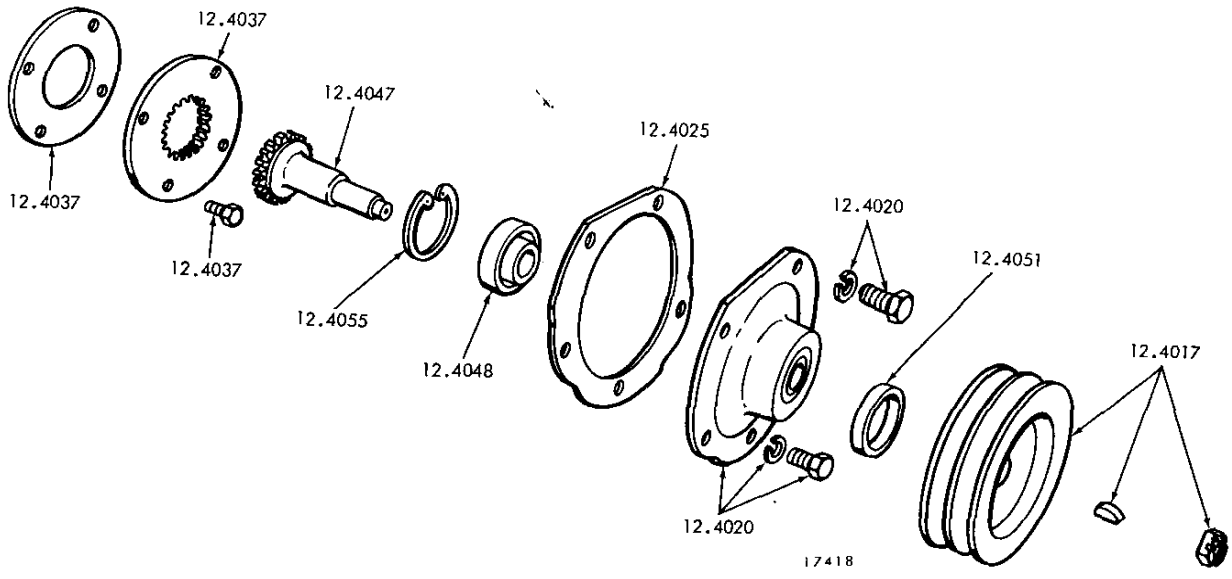

FIG. 2B AIR COMPRESSOR (Drive)

Figs. 2A & 2B of 12.0000

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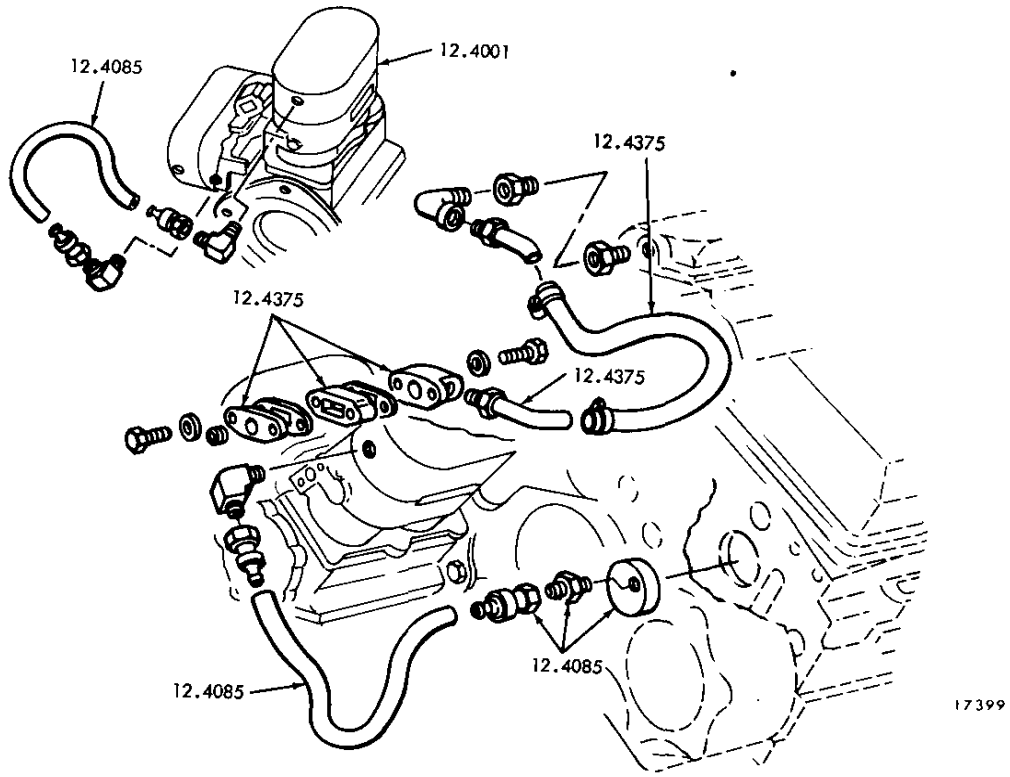

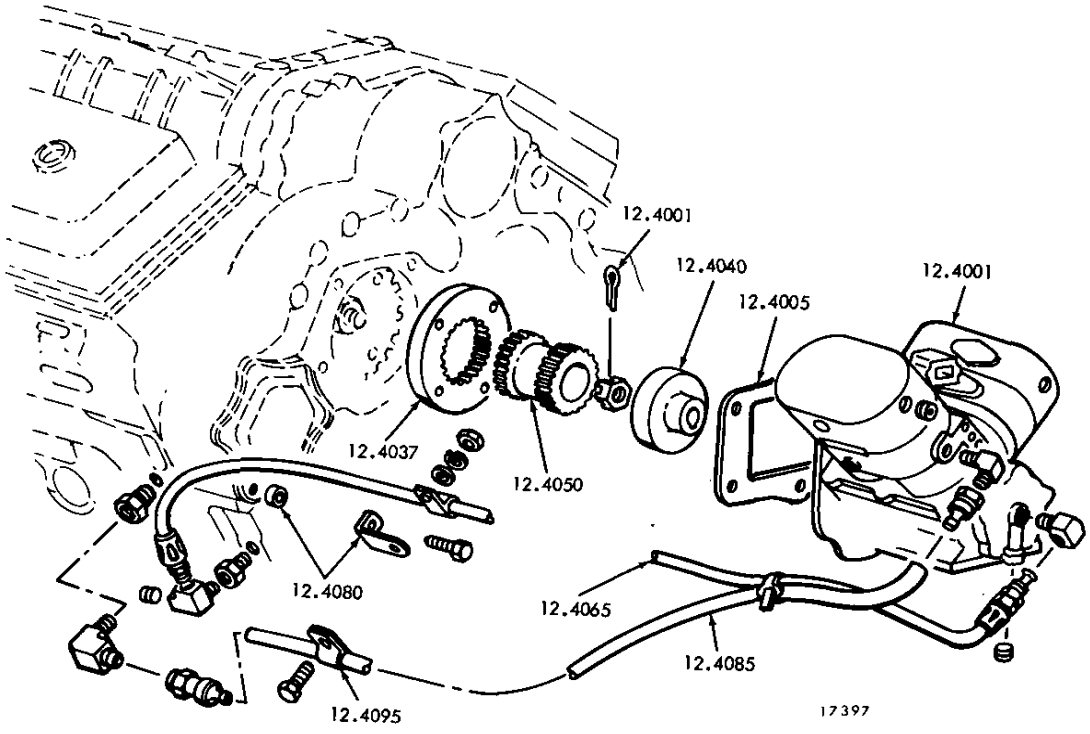

FIG. 2C 24 CFM. COMPRESSOR FLANGE MTD. WITH CROSSOVER

Fig. 2C of 12.0000

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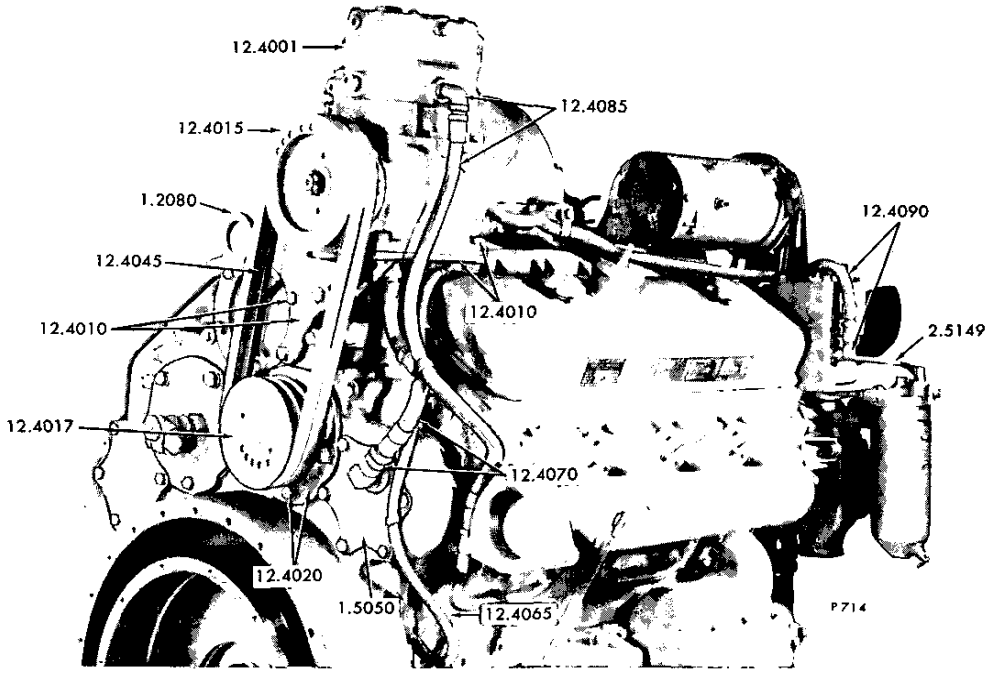

FIG. 2D AIR COMPRESSOR INSTALLATION (BELT DRIVEN)

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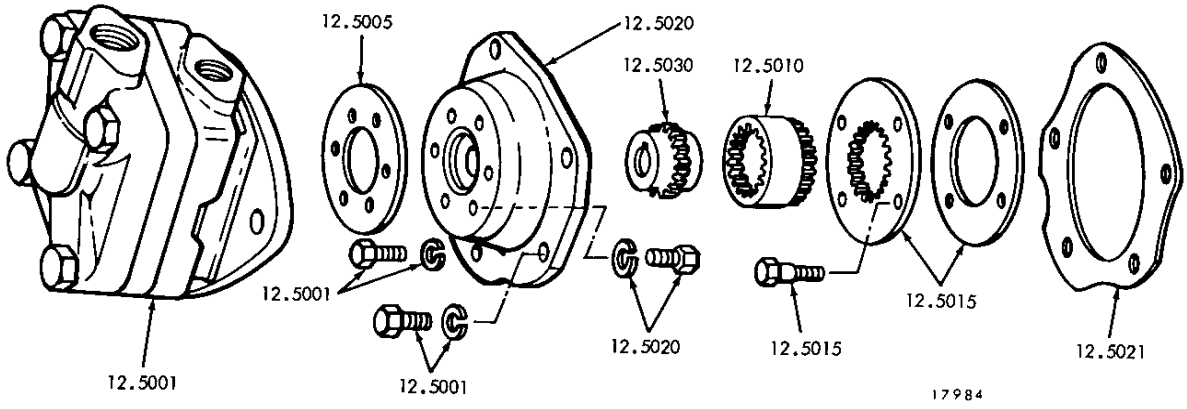

FIG. 4A HYDRAULIC PUMP AND DRIVE

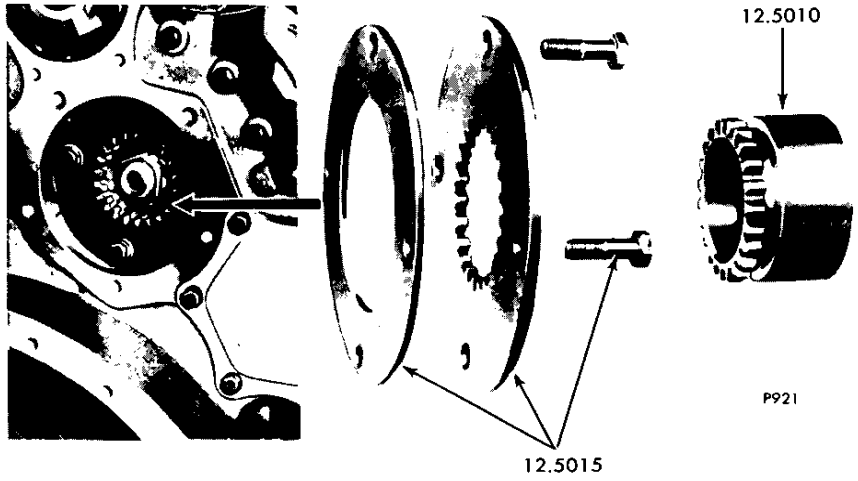

FIG. 4B HYDRAULIC PUMP DRIVE

Figs. 4A & 4B of 12.0000

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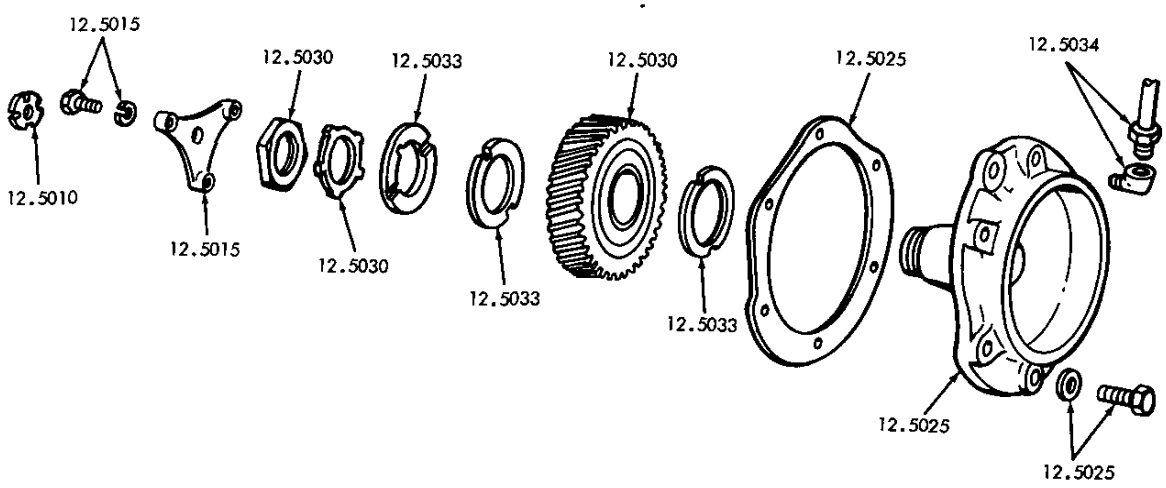

FIG. 4C HYDRAULIC PUMP DRIVE

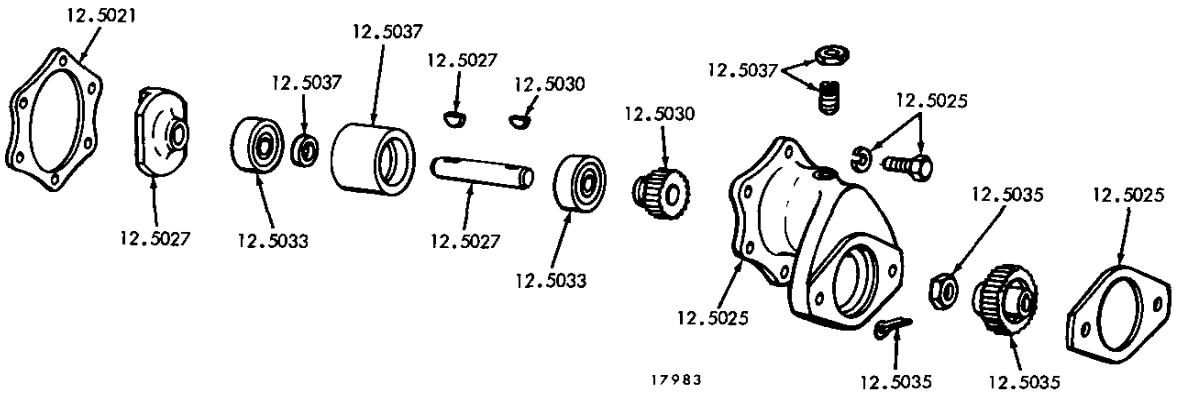

FIG. 4D REDUCTION DRIVE FOR HYDRAULIC PUMP

Figs. 4C & 4D of 12.0000

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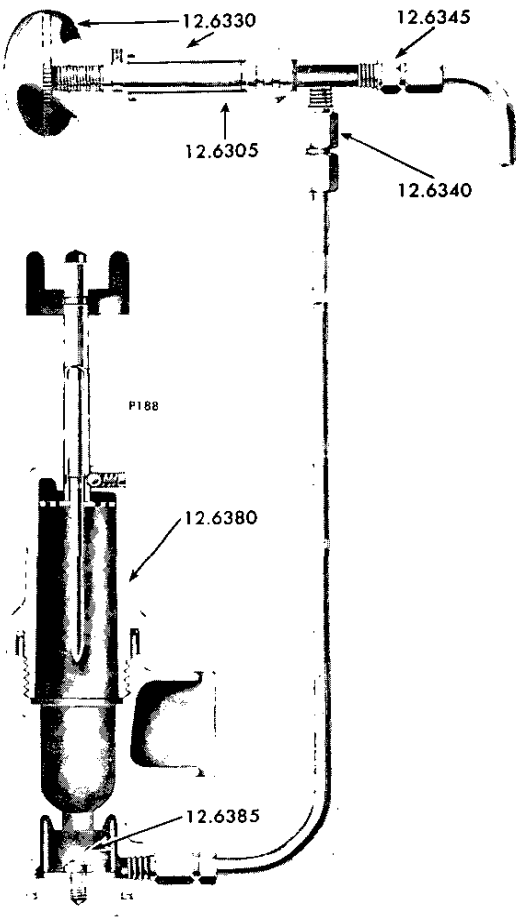

FIG. 5A STARTING AID

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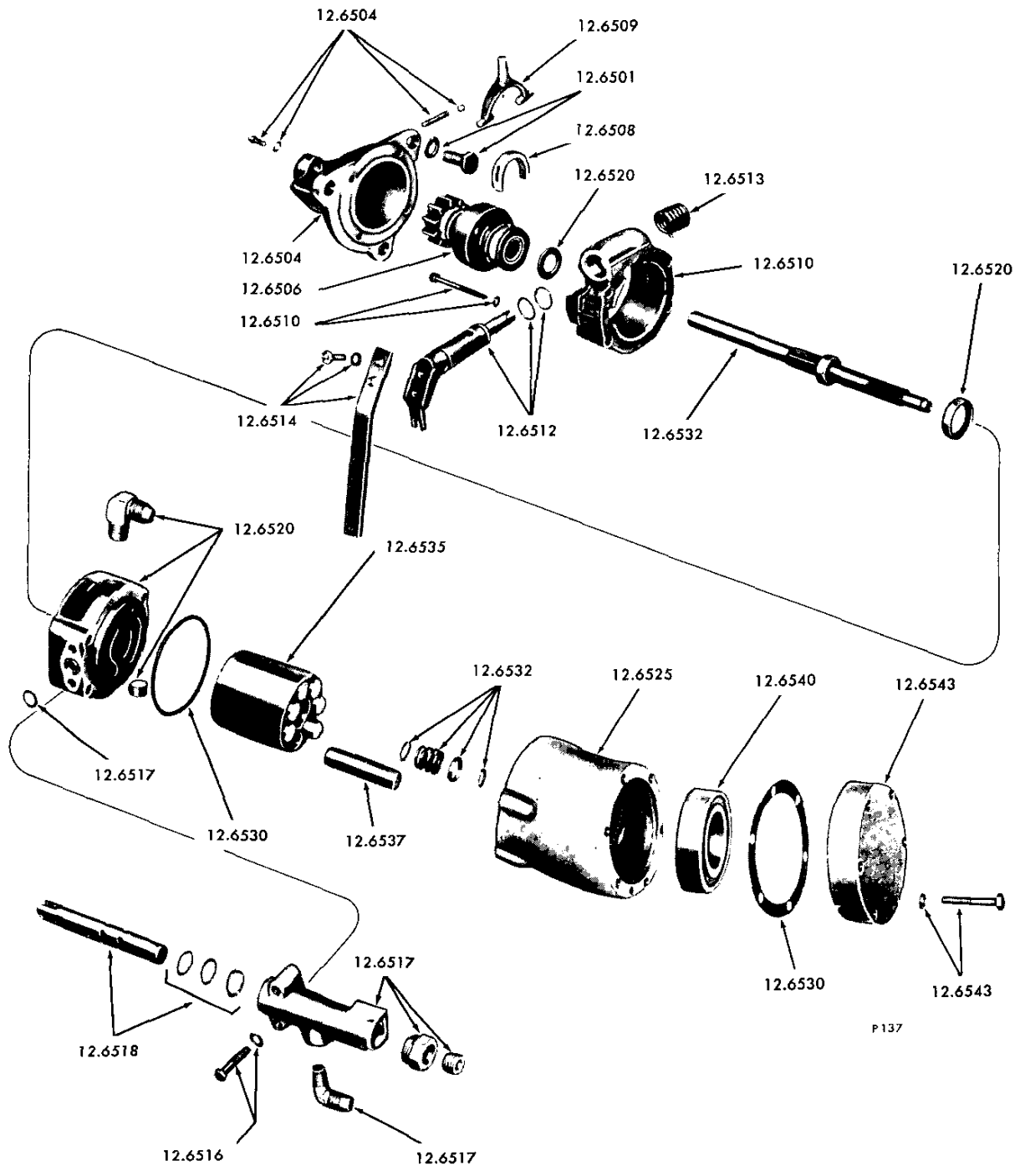

Fig. 6A HYDRAULIC STARTER

Fig. 6A of 12.0000

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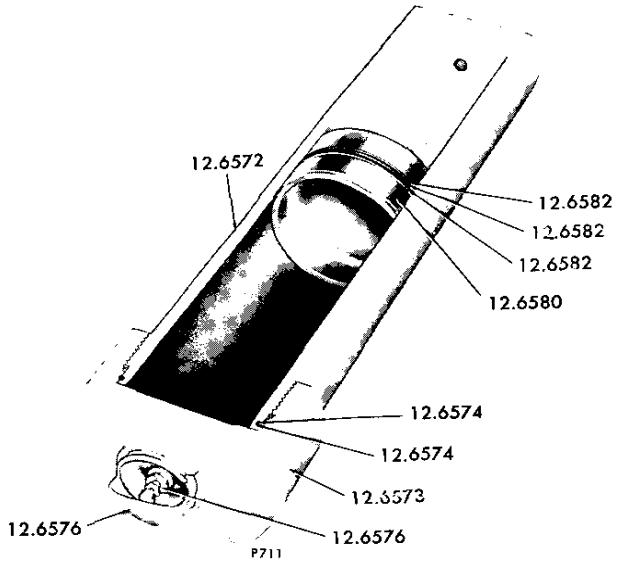

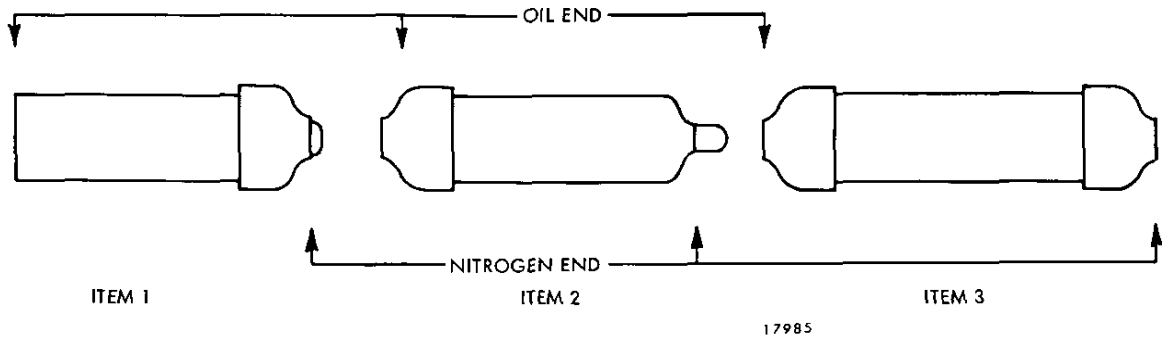

HYDRAULIC STARTER ACCUMULATOR

Fig. 6B of 12.0000

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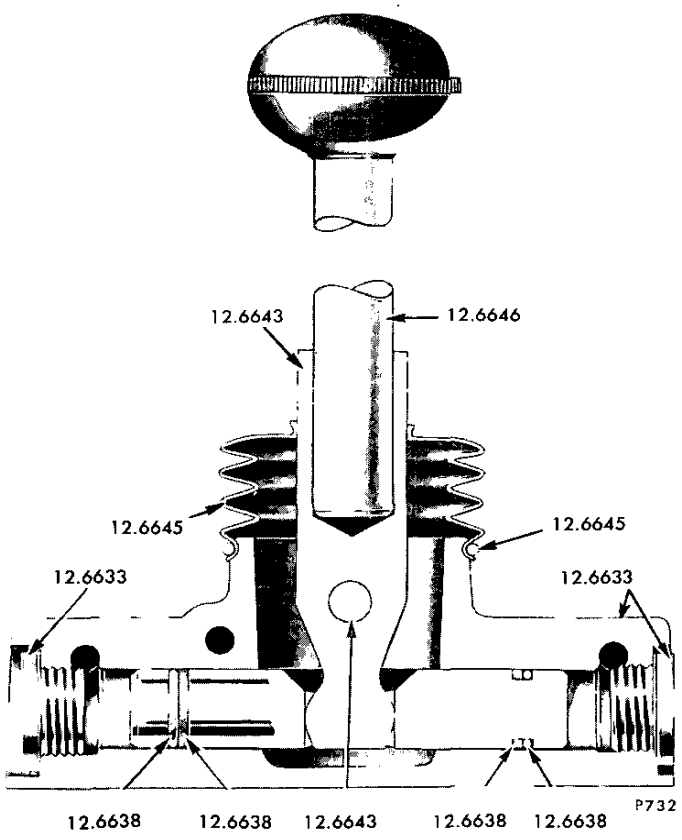

FIG. 6C HYDRAULIC STARTER HAND PUMP

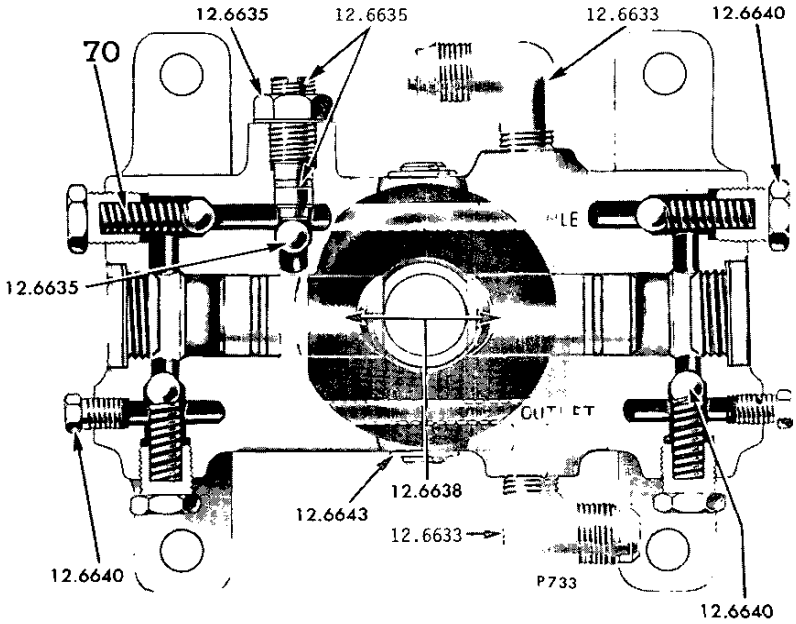

FIG. 6D HYDRAULIC STARTER HAND PUMP

Figs. 6C & 6D of 12.0000

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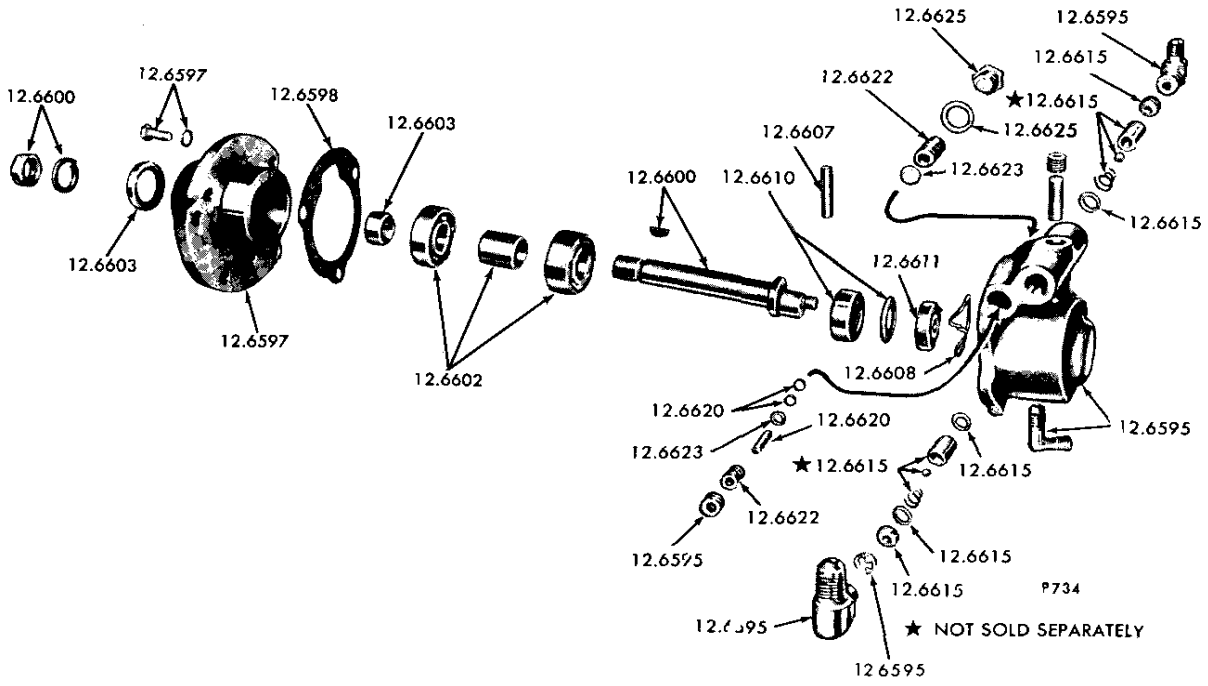

HYDRAULIC STARTER ENGINE PUMP (belt drive)

Fig. 6E of 12.0000

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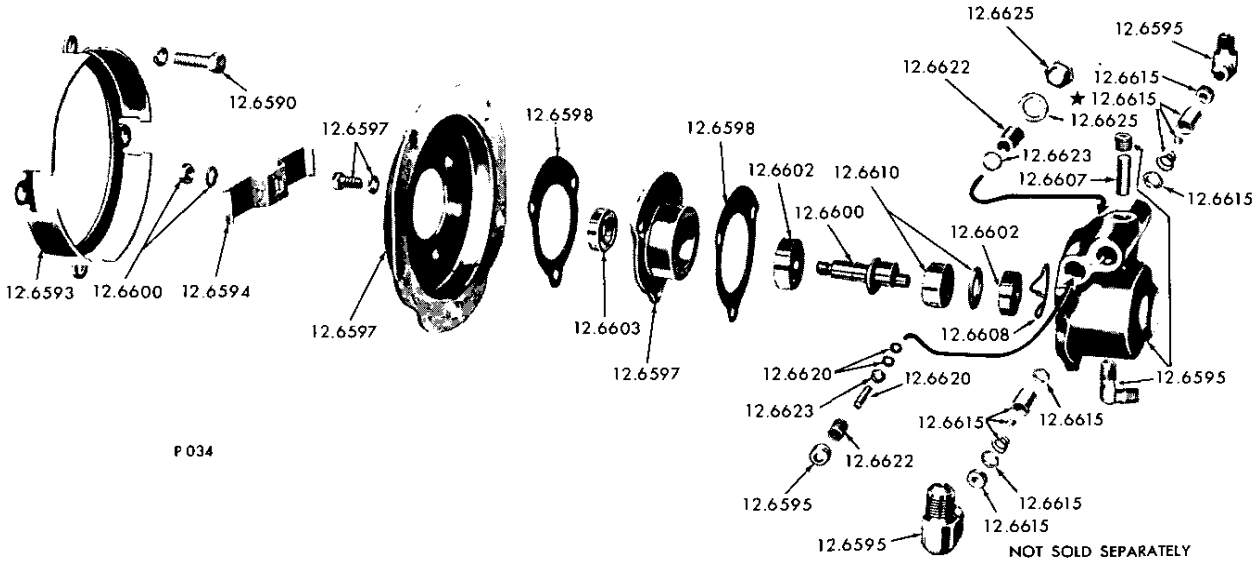

FIG. 6F HYDRAULIC STARTER ENGINE PUMP (direct drive)

Fig. 6F of 12.0000

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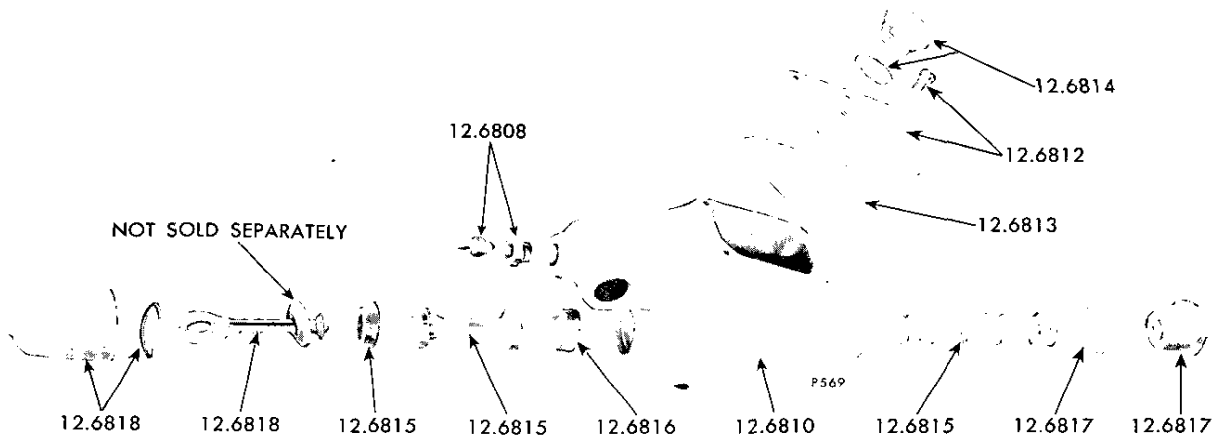

FIG. 6J HYDRAULIC STARTER REMOTE CONTROL MASTER CYLINDER

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12.2000A BILGE PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	29
		12.2001 - PUMP ASSY., BILGE		
		A PUMP ASSEMBLY INCLUDES ITEMS IN 12.2010 THRU 12.2140.		
1A	5169979	PUMP ASSY. (PIECE 2)	1	
1A	5168716	PUMP ASSY. (PIECE 1)		1
1A	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	2	2
1A	103323	*LOCKWASHER, 1/2" (12.9200)*	2	2
		12.2010 - BODY, BILGE PUMP		
1A	5197518	BODY		1
1A	5197519	BODY	1	
1A	5163834	WASHER, (5.5600)	6	6
1A	123213	NUT, 5/16"-18 HEX. BR. (12.9120)	6	6
		12.2020 - STUD, BILGE PUMP BODY		
1A	5190446	STUD	6	6
		12.2030 - GASKET SET, BILGE PUMP BODY		
		INCLUDES ONE EACH .005" AND .010" THICK GASKETS.		
1A	5164528	+ GASKET SET	1	1
		+ OBSOLETE.		
		12.2040 - IMPELLER AND SHAFT ASSY., BILGE PUMP		
1A	5190464	*IMPELLER AND SHAFT ASSY. (INCLUDES PIN)*	1	1
	5190442	PIN, 3/16"X1 7/16"L	1	1
		12.2050 - HOUSING, BILGE PUMP IMPELLER		
1A	5190429	HOUSING	1	1
1A	134519	DRAINCOCK, 1/8" (12.9510)	1	1
		12.2060 - PACKING, BILGE PUMP SHAFT		
1A	5160375	PACKING (5.6170)	4	4
	5190476	PACKING	1	1

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12.2000A BILGE PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	29
		12.2070 - GLAND, BILGE PUMP SHAFT PACKING		
1A	5190439	GLAND	1	1
1A	5190452	LOCK	1	1
1A	122002	NUT, 5/16"-24 HEX. BR. (12.9120)	2	2
		12.2080 - STUD, BILGE PUMP SHAFT PACKING GLAND		
	5190444	STUD	2	2
		12.2090 - BUSHING, BILGE PUMP SHAFT		
1A	5164453	BUSHING	1	1
		12.2100 - BEARING, BILGE PUMP SHAFT		
1A	954143	BEARING (N.D. 88503X1C)	1	1
		12.2110 - SHIM, BILGE PUMP SHAFT BEARING		
1A	5190443	SHIM (.005")	1	1
		12.2120 - RETAINER, BILGE PUMP SHAFT BEARING		
1A	5190440	RETAINER	1	1
1A	110570	SCREW, #10-24X1/2" FIL. HD. BR. (12.9010)	4	4
		12.2130 - CUP, BILGE PUMP GREASE		
1A	5190441	CUP	1	1
		12.2140 - PULLEY ASSEMBLY, BILGE PUMP DRIVEN		
		A PULLEY ASSEMBLY CONSISTS OF PULLEY AND FLANGE WHICH ARE NOT SERVICED SEPARATELY.		
1A	5190447	PULLEY ASSEMBLY	1	1
1A	5190450	LOCK	2	2
1A	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1	1
1A	114351	SCREW, 1/4"-20X3/8" (12.9001)	2	2
1A	103319	LOCKWASHER, 1/4" (12.9200)	2	2

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12.2000A BILGE PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	TYPES 29
		12.2140 - PULLEY ASSY., BILGE PUMP DRIVEN (CONT'D)		
	103030	NUT, 5/8"-18 HEX. (PULLEY RETAINING) (12.9120)	1	1
		12.2220 - CONNECTOR, BILGE PUMP PRIMING TUBE		
1A	5163733	CONNECTOR (12.4085)	2	2
		12.2230 - HOSE, BILGE PUMP PRIMING TUBE		
1A	5175219	HOSE (3/8"I.D.X22")	1	1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 22	194	197	200	205	208	209	212	213	220	224	228
		12.4001 - COMPRESSOR ASSY., AIR												
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES.)												
	NPN	COMPRESSOR (CUSTOMER FURNISHED)	AR									AR		
2A,C	2399656	+ COMPRESSOR (M.R. #N-5504-B) (7 1/4 CFM) (5106140)		1									1	
2A,C	5144300	@ COMPRESSOR (BW #282383) (7 1/4 CFM)		1									1	
2A,C	5118886	+ COMPRESSOR (BW #286692) (12 CFM) (5101405)			1	1	1				1			
2A,C	5102067	COMPRESSOR (BW #285923) (12 CFM)			1	1	1				1			
2A,C	5110404	* COMPRESSOR (BW #226434) (12 CFM)						1						
2A,C	5106138	COMPRESSOR (#N-5309) (EL-740) (7 1/4 CFM)						1						
2A,C	5127091	* COMPRESSOR (BW #275007) (12 CFM)							1	1				
2A,C	5144303	@ COMPRESSOR (BW #282397) (12 CFM)							1	1				
2A,C	5127616	* COMPRESSOR (BW #282389) (12 CFM) (5144302)								1				
2A,C	5144302	@ COMPRESSOR (BW #282389) (12 CFM)								1				
2A,C	2370584	* COMPRESSOR (BW #228320) (12 CFM)												1
2A,C	5102066	COMPRESSOR (BW #285924) (12 CFM)												1
	118536	DRAINCOCK, 3/8" (12.9510)				1	1	1						1
	179858	BOLT, 7/16"-14X1" (12.9001)			4						4			
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				4	4							4
	427570	BOLT, 7/16"-14X2" (12.9001)											1	
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)		2					2	2				
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)		2									2	
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)							4	4				
	186659	BOLT, 1/2"-13X3 3/4" (12.9001)							2	2			2	
	5150568	WASHER, 7/16" COPPER (2.4050)											1	
	103322	LOCKWASHER, 7/16" (12.9200)			AR	AR	AR				AR		AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)							AR	AR			AR	
	456939	NUT, 7/16"-20 HEX. (12.9120)				4								
		* NOT SERVICED; USE OTHER COMPRESSOR ASSY. SHOWN IN SAME TYPE.												
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES PLUS 5145014, 5145009.												
		@ USE 5145014 AND 5145009 PLUGS AS REQUIRED.												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
2A,C	5131939	GASKET			1	1	1	1			1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 22	194	197	200	205	208	209	212	213	220	224	228
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
2D	5123614	@ BRACKET			1						1	1		
2D	5123613	BRACKET, ADJUSTING			2						2	2		
2D	5117742	* BRACKET				1	1	1						
2D	5127244	* BRACKET												1
2D	5145417	PLATE (LOWER COVER AND MOUNTING)				1								
2D	5117741	PLATE (LOWER COVER AND MOUNTING)					1	1						1
	5126695	BOLT, 3/8"-24X5 3/8"			2						2	2		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1						1	1		
	186679	# BOLT, 3/8"-16X1 1/4" (12.9001)				2	2	2						2
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)			1						1			
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)										1		
	106337	BOLT, 7/16"-14X1 3/8" (12.9001)			4	2	2	2			4	4		2
	5152148	WASHER, 3/8" FLAT (COPPER) (2.4050)			1						1			
	103342	WASHER, 7/16" FLAT (12.9190)			AR						AR	AR		
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR	AR				AR		AR
	103322	LOCKWASHER, 7/16" (12.9200)			AR	AR	AR	AR			AR	AR		AR
	117049	NUT, 3/8"-24 HEX. (12.9120)			3							3		
		@ NOT SERVICED; REPLACE WITH 5197498 BRACKET, 2-215666 BOLT, 2-5109949 WASHER, 2-103322 LOCKWASHERS, 2-117050 NUT AND 1-5170972 BELT SET.												
		* NOT SERVICED; REPLACE WITH 5138478 BRACKET AND INCLUDE 1-5145417 PLATE, 1-5145730 BELT AND 1-5128076 BOLT.												
		# EFFECTIVE WITH 6VA-14707, 8VA-5614.												
		12.4015 - PULLEY, AIR COMPRESSOR												
2B,D	5121545	PULLEY (2 GROOVE, 6.5" DIA.)			1						1			1
2B,D	5117740	PULLEY (1 GROOVE, 7.5" DIA.)				1	1	1						
	103385	PIN, 1/8"X1/4" COTTER (12.9250)			1	1		1						1
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE												
2B,D	5168696	PULLEY (5.54" DIA.) (1.7605)			1						1			
2B	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)			1						1			
2B	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)			1						1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 22	194	197	200	205	208	209	212	213	220	224	228
		12.4020 - ADAPTOR, AIR COMPRESSOR												
		RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4051 AND 12.4055.												
2B,D	**5123116**	+ RETAINER ASSY. (1.7640)			1						1			
2B,D	**179858**	BOLT, 7/16"-14X1" (12.9001)			1						1			
2B,D	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)			4						4			
	5150568	WASHER, COPPER (2.4050)			1						1			
2B	**103322**	LOCKWASHER, 7/16" (12.9200)			1						1			
2B	**103323**	LOCKWASHER, 1/2" (12.9200)			4						4			
		+ NOT SERVICED; USE 5131130 SHAFT & 1-5131402 RETAINER ASSY.												
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR												
2A,C	**5117061**	GASKET (1.5040)	1	1	1				1	1	1		1	1
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
2A,C	**5170450**	PLATE (1.7630)	1	1	1				1	1	1		1	
2A,C	**5145092**	BOLT, 3/8"-24X1.20" SELF-LOCK (12.5015)	4	4	4				4	4	4		4	
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
2A,C	**5144866**	HUB	1	1					1	1			1	
2A,C	**103375**	PIN, 3/32"X1 1/4" COTTER (12.9250)		1									1	
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
2D	**5145730**	BELT (48.00"L.,				1	1	1						
2D	**5124293**	BELT SET (2 BELTS, 43.60"L., .597"W.)			1						1			
2D	**5170972**	BELT SET (2 BELTS, 45.44"L., .597"W.) (1.3320)												1
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE												
2B	**5122876**	SHAFT (1.7640)			1						1			
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT												
2B	**907191**	BEARING (N.D. 5206W) (1.7655)			1						1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 22	194	197	200	205	208	209	212	213	220	224	228
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
2A,C	5141773	COUPLING	1	1					1	1			1	
		12.4051 - SEAL, AIR COMPRESSOR DRIVE												
2B	5131329	SEAL (1.7660)			1						1			
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING												
2B	5155783	RING, LOCK 2 9/16" DIA. (1.7650)			1						1			
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
2A,C	2278122	HOSE, FLEX. (21"L.)		1										
2A,C	5126693	HOSE, FLEX. (29"L.)			1						1			
2A,C	2289944	HOSE, FLEX. (10 1/2" L.) (7.4074)				1	1	1						1
2A,C	5131146	HOSE, FLEX. (25" L.) (5.7100)							1					
2A,C	5126692	HOSE, FLEX. (30" L.) (5.7100)								1				
2A,C	5123697	TUBE (24.20"L.)											1	
	189060	BUSHING, 3/4"X1/4" RED. PIPE (2.9570)				1	1	1						1
	116436	CONNECTOR, 1/4" FL. TUBE 1/4" P.T. (12.9380)			1						1			
	118748	# * CONNECTOR, 1/4" FL. TUBE (12.9380)				1								
	137405	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)											1	
	116453	@ ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)		1		1	1	1	1	1				1
	118753	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9350)		1	1				1	1	1			
	119113	ELBOW, 1/4" STREET 45 DEG. (12.9590)			1						1			
	143342	ELBOW, 1/4" INV. FL. TUBE 90 DEG., 1/4" P.T. (12.9480)											1	
	105423	PLUG, 1/4" PIPE (12.9550)								1				
		# USE IN TYPE 200 WHEN INSTRUMENT PANEL IS MOUNTED. * USE IN TYPE 252. @ USE IN TYPE 200 WHEN INSTRUMENT PANEL IS NOT SPECIFIED.												
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
2D	5126694	& HOSE, FLEX. (15" L.)			1						1			
2D	2337354	HOSE, FLEX. (16 1/8" L.)				1	1	1						1
2D	5189471	% = HOSE, FLEX. (26"L.)									1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 22	194	197	200	205	208	209	212	213	220	224	228
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN (CONT'D)												
	444004	ADAPTOR, 1/2" PIPE (12.9565)				1	1	1						
	119098	% ELBOW, 1/2"-90 DEG. PIPE (12.9600)									1			
	109429	& ELBOW, 5/8" FL. TUBE 90 DEG. (12.9390)			1	1	1	1			1			1
	116487	% CONNECTOR, 5/8" FL. TUBE (12.9380)									1			
	141504	% NIPPLE, 1/2"X1 1/2" PIPE (12.9560)									1			
	5113192	% FITTING, SWIVEL (7/8"-14 INT. THREAD) (12.6689)									1			
	5113215	% FITTING, HOSE (1/2"-14) (12.6692)									1			
		& THRU 8VA-5182 TYPE 213.												
		% EFFECTIVE WITH 8VA-5183 TYPE 213,												
		= NOT SERVICED; USE STANDARD LENGTH HOSE 5135293 #10X74".												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
2A,C	5153473	CLIP, HOSE (4.6040)		1	1				1	1				
2A,C	5158382	CLIP (7.4076)											1	
2A,C	5160629	SPACER (4.2270)		1					1	1			1	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)		1									1	
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
2A,C	5126691	HOSE, FLEX. (19"L.)		1					1	1			1	
2A,C	5185394	HOSE, FLEX. (17"L.) (8.3830)			1						1			
2A,C	5109116	* HOSE, FLEX. (10"L.) (8.3830)				1								
2A,C	5125902	HOSE, FLEX. (16"L.) (2.5100)					1	1						1
2A,C	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)												1
2A,C	142647	ELBOW, 3/8"-90 DEG. (12.9450)		1										
2A,C	444042	ELBOW, 3/8" STREET-90 DEG. (12.9590)							1	1				
2A,C	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)									1			
	9402839	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9391)		1										
	118757	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)			1	1	1	1	1					1
	5112119	ELBOW, 1/2"-90 DEG. FL. (3.5505)							1				1	
	5130294	ELBOW, 3/4"-45 DEG. FL. TUBE (12.4090)		1										
	118752	CONNECTOR, 1/2" FL. TUBE (12.9445)								1				
	5121825	FITTING, MALE (1/2" HOSE X 3/8"-18) (12.4090)							1					
	444136	TEE, 3/8" PIPE (12.9616)			1				1	1	1		1	
	444122	TEE, 3/8" PIPE (12.9616)		1										

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 22	194	197	200	205	208	209	212	213	220	224	228
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5129157 #8X73".												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
2A,C	**5123320**	HOSE, FLEX. (39"L.) (4.4330)		1						1				
2A,C	**5123316**	HOSE, FLEX. (35 1/2"L.) (4.4330)			1									
2A,C	**5109116**	* HOSE, FLEX (19"L.) (3830)				1	1	1						1
2A,C	**5123317**	HOSE, FLEX. (44"L.) (4.4330)							1		1		1	
	431538	CONNECTOR, 1/2" INV. FL. TUBE, 3/8" PIPE TAP (12.9460)		1									1	
	5130294	ELBOW, 3/8" STREET 90 DEG. (12.9590)				1	1	1						1
	118757	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9480)		1		1	1	1	1	1				1
	109429	ELBOW, 1/2"X90 DEG. FLARED (3.5505)			1				1	1	1			
	142647	ELBOW, 1/2" TUBE 90 DEG. (12.9450)		1									1	1
	5184300	ELBOW, 3/4"-16X3/8"-18-90 DEG. FL. (8.3830)			1						1			
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)		1									1	
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)				1	1	1						
	5120020	FITTING, FEMALE (1/2" HSOE X 3/4" -16) (12.4085)						1						
	5121825	FITTING, MALE (1/2" HOSE X 3/8" -18)						1						
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5129157 #8X73".												
		12.4095 - CLIP, AIR COMP. WATER TUBE												
2A,C	**5151108**	CLIP (1"X1/2" BOLT)		3									3	
2A,C	**5171509**	CLIP (5/8"X3/8" BOLT) (9.1591)		AR	AR				AR	AR	AR		AR	
2A,C	**3290076**	CLIP (4.8040)		1										
2A,C	**5173022**	SUPPORT, CLIP (5.5379)							1	1				
2A,C	**5160629**	SPACER (4.2270)							1	1			1	
2A,C	**5159393**	BRACKET (4.1575)			1						1			
	186618	BOLT, 5/16"-18X5/8" (12.9001)							2	2				
	181595	BOLT, 5/16"-24X3/4" (12.9001)								1				
	180120	BOLT, 3/8"-16X3/4" (12.9001)		1									1	
	179839	BOLT, 3/8"-16X1" (12.9001)			1						1			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							1				1	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			1						1			
	103341	WASHER, 3/8" FLAT (12.9190)		AR							AR		AR	
	103320	LOCKWASHER, 5/16" (12.9200)							AR	AR				

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 22	194	197	200	205	208	209	212	213	220	224	228
		12.4095 - CLIP, AIR COMP. WATER TUBE (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR				AR		AR		AR	
	120376	NUT, 5/16"-18 HEX. (12.9120)							2					
	114493	NUT, 5/16"-24 (12.9120)								1				
	102635	NUT, 3/8"-16 HEX. (12.9120)		1	1						1		1	
		12.4300 - STRAINER, AIR COMPRESSOR												
2A	5110411	STRAINER ASSY.		1	1				1	1	1		1	
2A	5110410	* GASKET		1	1				1	1	1		1	
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		2	2				2	2	2		2	
	103320	LOCKWASHER, 5/16" (12.9200)		2	2				2	2	2		2	
		* FURNISHED WITH AIR COMPRESSOR.												
		12.4375 - TUBE AND ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET												
2A,C	5117747	HOSE, FLEX. (7 1/2"L.)				1								
2A,C	5126052	HOSE, FLEX (10 1/2"L.) (5.2161)					1	1						
2A,C	5118113	HOSE, FLEX. (13 1/4" L.)												1
	5189769	FLANGE (ELBOW)				1	1	1						1
	5181801	ELBOW (5.2161)				2	2	2						2
	5177218	CONNECTION (3/4"-1") (5.1235)												1
	5186840	CLAMP (12.9660)				2	2	2						2
	179816	BOLT, 5/16"-18X3/4" (12.9001)				2	2	2						2
	103320	LOCKWASHER, 5/16" (12.9200)				AR	AR	AR						AR
		12.4385 - COVER, AIR COMPRESSOR												
		THE FOLLOWING PARTS LISTED IN 1.1000 ARE ALSO REQUIRED.												
2C	5103552	COVER (1/2" TAPPED HOLE) (1.5050)			1						1			
	5124754	COVER (3/4" TAPPED HOLE) (1.1040)				1	1	1						1
	5127788	COVER (WATER HOLE) (1.1060)				1	1	1						
	5107677	COVER (PLAIN) (1.5050)									1	1		
	5146646	PLUG, 1/2" PIPE (12.9550)			AR						AR			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 229	239	240	243	244	245	247	248	249	250	251	252
		12.4001 - COMPRESSOR ASSY., AIR												
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES.)												
	NPN	COMPRESSOR (CUSTOMER FURNISHED)	AR						AR					
2A,C	5118886	+ COMPRESSOR (BW#286692) (12 CFM) (5101405)				1	1	1		1				
2A,C	5102067	COMPRESSOR (BW#285924) (12 CFM)				1	1	1		1				
2A,C	5110404	* COMPRESSOR (BW#226434) (12 CFM)												1
2A,C	5106138	COMPRESSOR (#N-5309A) (EL-740) (714 CFM)												1
2A,C	5127091	* COMPRESSOR (BW#275007) (12 CFM)									1		1	
2A,C	5144303	@ COMPRESSOR (BW#282397) (12 CFM)									1		1	
2A,C	5127616	* COMPRESSOR (BW#229694) (12 CFM)		1							1	1		
2A,C	5144302	@ COMPRESSOR (BW#282389) (12 CFM)		1							1	1		
2A,C	2370584	* COMPRESSOR (BW#228320) (12 CFM)			1									
2A,C	5102066	COMPRESSOR (BW#285924) (12 CFM)			1									
	118536	DRAINCOCK, 3/8" (12.9510)				1	1	1		1				1
	179858	BOLT, 7/16"-14X1" (12.9001)			4									
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				4	4	4		4				4
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)		2									4	
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)										4		
	103322	LOCKWASHER, 7/16" (12.9200)			AR	AR	AR	AR		AR				AR
	103323	LOCKWASHER, 1/2" (12.9200)		AR									AR	
		* NOT SERVICED; USE OTHER COMPRESSOR ASSY. SHOWN IN SAME TYPE.												
		@ USE 5145014 AND 5145009 PLUGS AS REQUIRED.												
		+ NOT SERVICED. USE NUMBER IN PARENTHESES.												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
2A,C	5131939	GASKET				1	1	1		1				1
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
2D	5117742	* BRACKET	1				1							
2D	5131126	BRACKET, ADJUSTING (REAR)			1									
2D	5131127	BRACKET, ADJUSTING (INTERMEDIATE)			1									

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12.4000A AIR COMPRESSOR

12.4010 - BRACKET, AIR COMPRESSOR MOUNTING *(CONT'D)*

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 229	239	240	243	244	245	247	248	249	250	251	252
2D	5129199	# BRACKET, MOUNTING			1									
2D	5108424	@ BRACKET, MOUNTING			1									
2D	5108746	@ BRACKET, ADJUSTING (FRONT)			1									
2D	5130024	# BRACKET, SUPPORT			1									
2D	5128050	& BRACKET				1		1	1	1				1
2D	5145417	PLATE (LOWER COVER AND MOUNTING)				1		1	1	1				1
2D	5117741	PLATE (LOWER COVER AND MOUNTING)	1				1							
2D	5108716	@ PLATE, SUPPORT			1									
2D	5160629	SPACER (13/32"X7/32") (4.2270)			6									
2D	5122266	@ GASKET, ADJUSTING BRACKET (7.1597)			1									
	5131125	BOLT, 3/8"-24X5 3/4"			3									
	5128076	BOLT, 7/16"-14X4"				1		1	1	1				1
	186676	@ BOLT, 1/4"-20X5/8" (12.9001)			2									
	138232	BOLT, 5/16"-24X1" (12.9027)			1						1			
	180120	@ BOLT, 3/8"-16X3/4" (12.9001)			2									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1									
	186679	@ BOLT, 3/8"-16X1 1/4" (12.9001)			2	2	2	2		2				2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2						2					
	5135182	BOLT, 3/8"-24X2 1/4"				1								
	186317	BOLT, 3/8"-24X5" (12.9001)			1									
	179858	@ BOLT, 7/16"-14X1" (12.9001)			2									
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)	8			4	4	8	8	8				4
	106337	BOLT, 7/16"-14X1 3/8" (12.9001)	2			2	2	2	2	2				2
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)			2									
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)			2									
	5109949	@ WASHER (17/32"X1 3/16") (5.4025)			4									
	103342	WASHER, 7/16" FLAT (12.9190)			AR	AR	AR	AR	AR	AR				AR
	103343	WASHER, 1/2" FLAT (12.9190)			2									
	120380	LOCKWASHER, 1/4" (12.9200)			2									
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR	AR	AR	AR				AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR		AR	AR	AR	AR	AR	AR				AR
	103323	LOCKWASHER, 1/2" (12.9200)			4									
	214279	NUT, 5/16"-24 HEX. (12.9120)			2						1			
	117049	NUT, 3/8"-24 HEX. (12.9120)			3									
	441292	NUT, 7/16"-14 HEX. (12.9120)				1		1	1	1				1

* NOT SERVICED, REPLACE WITH 5138478 BRACKET AND INCLUDE 1-5145417 PLATE, 1-5145730 BELT AND 1-5128076 BOLT.

\# THRU 6VA-14706, 8VA-5613 NOT SERVICED, USE ITEMS MARKED @ WHEN REPLACEMENT NECESSARY.

@ EFFECTIVE WITH 6VA-14707, 8VA-5614.

& NOT SERVICED, REPLACE WITH 5138478 BRACKET AND INCLUDES 1-5137905 BELT.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 229	239	240	243	244	245	247	248	249	250	251	252
		12.4015 - PULLEY, AIR COMPRESSOR												
2D	**5117740**	PULLEY (1 GROOVE, 7.5" DIA.)				1	1	1		1				1
2B,D	**5120588**	PULLEY (2 GROOVE, 5.25" DIA.) (7.1605)			1									
	103385	PIN, 1/8"X1/4" COTTER (12.9250)				1	1	1		1				1
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE												
2B,D	**5168696**	PULLEY (5.54" DIA.) (1.7605)			1									
2B	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)			1									
2B	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9140)			1									
		12.4020 - ADAPTOR, AIR COMPRESSOR												
		RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4051 AND 12.4055.												
2B,D	**5123116**	+ RETAINER ASSY. (1.7640)			1									
2B,D	**179858**	BOLT, 7/16"-14X1" (12.9001)			1									
2B,D	**179882**	BOLT 1/2"-13X1 1/8" (12.9001)			4									
	5150568	WASHER, COPPER (2.4050)			1									
2B	**103322**	LOCKWASHER, 7/16" (12.9200)			1									
2B	**103323**	LOCKWASHER, 1/2" (12.9200)			4									
		+ NOT SERVICED; USE 5131130 SHAFT & 1-5131402 RETAINER ASSY.												
		12.4025 - GASKET, AIR COMPRESSOR												
2A,C	**5117061**	GASKET (1.5040)		1	1						1	1	1	
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
2B	**5170450**	PLATE (1.7630)		1	1						1	1	1	
2B	**5145092**	BOLT, 3/8"-24X1.20" SELF-LOCK (12.5015)		4	4						4	4	4	
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
2A,C	**5144866**	HUB		1							1	1	1	
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)		1							1	1	1	
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		P INDICATES "PREMIUM".												
2D	**5145730**	BELT (48.00"L.)				1	1	1		1				1
2D	**5168863**	BELT SET (2 BELTS, 39.80"L., .597"W) (7.1575)			1									

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 229	239	240	243	244	245	247	248	249	250	251	252
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE												
2B	5122876	SHAFT (1.7640)			1									
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT SHAFT												
2B	907191	BEARING (N.D. 5206W) (1.7655)			1									
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
2A,C	5141773	COUPLING		1							1	1	1	
		12.4051 - SEAL, AIR COMPRESSOR DRIVE												
2B	5131329	SEAL (1.7660)			1									
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING												
2B	5155783	RING, LOCK 2 9/16" DIA. (1.7650)			1									
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
2A,C	5126693	HOSE, FLEX. (29"L.)										1		
2A,C	2289944	HOSE, FLEX. (10 1/2" L.) (7.4074)				1	1	1		1				1
2A,C	5131146	HOSE, FLEX. (25" L.) (5.7100)		1							1		1	
2A,C	2327515	+ HOSE, FLEX. (42 1/4" L.)			1									1
	112877	# BUSHING, RED. (1/4"X1/8") (12.9570)												
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)				1	1	1		1				1
	118748	# * CONNECTOR, 1/4" FL. TUBE (12.9380)					1			1				
	116453	@ ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)		1		1	1	1		1	1	1	1	1
	118753	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9350)		1	1 2						1	1	1	
	5145009	PLUG, 1/8" PIPE (12.9550)												
	444134	# TEE PIPE, 1/4"-28 (12.9490)												1
	178996	& TEE PIPE, 1/8" (12.9616)												1
	5177752	TEE PIPE, 1/8"X1/8"X1/4" (2.7890)								1				

\# USE IN TYPE 200 WHEN INSTRUMENT PANEL IS MOUNTED.
* USE IN TYPE 252.
@ USE IN TYPE 200 WHEN INSTRUMENT PANEL IS NOT SPECIFIED.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 229	239	240	243	244	245	247	248	249	250	251	252
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)												
		& USE IN TYPE 252 WHEN AIR INLET HOUSING IS SPECIFIED.												
		+ OBSOLETE.												
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
2D	**2337354**	HOSE, FLEX. (16 1/8" L.)				1	1	1		1				1
2D	**5128829**	% HOSE, FLEX. (11 1/2" L.) (5.7090)			1									
	444004	ADAPTOR, 1/2" PIPE (12.9565)				1	1	1		1				1
	137894	ELBOW, 1/2"-90 DEG. STREET (12.9590)			1									
	109429	ELBOW, 5/8" FL. TUBE 90 DEG. (12.9390)			1	1	1	1		1				1
	5113192	FITTING, SWIVEL (7/8"-14 INT. THREAD) (12.6689)			1									
	5113215	FITTING, HOSE (1/2"-14) (12.6692)			1									
		% NOT SERVICED; USE STANDARD LENGTH HOSE 5135293 #10X74".												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
2A,C	**5153473**	CLIP, HOSE (4.6040)	1							1	1		1	
2A,C	**5151108**	CLIP (12.4095)		1	1							1		
2A,C	**5161873**	CLIP (7.4412)		1	1							1		
2A,C	**5179861**	BRACKET, CLIP SUPPORT (7.3245)		1										
2A,C	**5160629**	SPACER (4.2270)		1							1			
	180121	BOLT, 3/8"-16X7/8" (12.9001)			3									
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)									1			
	188146	BOLT, 3/8"-24X4 5/8" (12.9001)		1						1				
	179816	BOLT, 5/16"-18X3/4" (12.9001)		1										
	103320	LOCKWASHER, 5/16" (12.9200)		1										
	103321	LOCKWASHER, 3/8" (12.9200)			3									
	120376	NUT, 5/16"-18 HEX. (12.9120)		1										
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
2A,C	**5126691**	HOSE, FLEX. (19"L.)											1	
2A,C	**5109116**	* HOSE, FLEX. (10"L.) (8.3830)				1		1						
2A,C	**5125902**	HOSE, FLEX. (16"L.) (2.5100)					1			1				1
2A,C	**5123317**	HOSE, FLEX. (44"L.) (4.4330)		1										
2A,C	**5173858**	HOSE, FLEX. (31"L.)			1									
2A,C	**5129157**	HOSE, FLEX. (17 1/2") (12.4070)									1			
2A,C	**5123318**	HOSE, FLEX. (47"L.) (4.4330)										1		
	118536	DRAINCOCK, 3/8" (12.9510)								1				
	118757	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)		1		1	1	1		1	1	1	1	1
	118752	CONNECTOR, 1/2" FL. TUBE (12.9445)			1						1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 229	239	240	243	244	245	247	248	249	250	251	252
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
	5120020	FITTING, SWIV. FEM. 1/2"-3/4"-16 (12.4085)				1		1			1			
	5121825	FITTING, MALE (1/2" HOSE X3/8"-18) (12.4090)				1								
	444258	TEE (12.9490)								1				
	444136	TEE, 3/8" PIPE (12.9616)			1						1		1	
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
2A,C	5109116	* HOSE, FLEX (19"L.) (8.3830)				1	1	1		1				1
2A,C	5123317	HOSE, FLEX. (44"L.) (4.4330)									1	1		
2A,C	5123315	HOSE, FLEX. (41"L.) (4.4330)			1									
2A,C	5123319	HOSE, FLEX. (53 1/2"L.) (4.4330)		1										
2A,C	5108553	HOSE, FLEX. (17 3/8"L.)											1	
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)				1	1	1		1				1
	118757	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9480)		1	1	1	1	1		1	1	1	1	1
	142647	ELBOW, 1/2" TUBE 90 DEG. (12.9450)						1		1				
	2325715	ELBOW, 1/2" TUBE 90 DEG. (3.5505)		1	1						1	1		
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)											1	
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)				1	1							1
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4" -16) (12.4085)				1								
	5121825	FITTING, MALE (1/2" HOSE X 3/8"-18)				1								
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5129157 #8X73".												
		12.4095 - CLIP, AIR COMP. WATER TUBE												
2A,C	5151189	CLIP (3/4" TUBE X 3/8" BOLT)									2			
2A,C	5171509	CLIP (5/8"X3/8" BOLT) (9.1591)		AR								AR		
2A,C	3290076	CLIP (4.8040)			1									
2A,C	5173022	SUPPORT, CLIP (5.5379)									1			
2A,C	5160629	SPACER (4.2270)									1		1	
2A,C	5185005	BRACKET (4.1575)										1		
	186618	BOLT, 5/16"-18X5/8" (12.9001)		2							2	2		
	179835	BOLT, 3/8"-16X5/8" (12.9001)		2								2		
	180120	BOLT, 3/8"-16X3/4" (12.9001)									1	1		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									1			
	186312	BOLT, 3/8"-24X4" (12.9001)			1									
	103320	LOCKWASHER, 5/16" (12.9200)		AR							AR	AR		
	103321	LOCKWASHER, 3/8" (12.9200)			AR						AR	AR		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 229	239	240	243	244	245	247	248	249	250	251	252
		12.4095 - CLIP, AIR COMP. WATER TUBE (CONT'D)												
	120376	NUT, 5/16"-18 HEX. (12.9120)		2							2	2		
		12.4300 - STRAINER, AIR COMPRESSOR												
2A	5110411	STRAINER ASSY.					1					1	1	
2A	5110410	* GASKET		1	1		1					1	1	
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)					2					2	2	
	103320	LOCKWASHER, 5/16" (12.9200)					2					2	2	
		* FURNISHED WITH AIR COMPRESSOR.												
		12.4375 - TUBE AND ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET												
2A,C	5121773	TUBE (DEV. L. 7 7/8")			1						1			
2A,C	5129583	TUBE (DEV. L. 9 1/2")									1			
2A,C	5123457	TUBE (DEV. L. 11 3/16")			1						1			
2A,C	5124994	TUBE (DEV. L. 11 1/2")			1									
2A,C	5117747	HOSE, FLEX. (7 1/2"L.)						1		1				
2A,C	5126052	HOSE, FLEX. (10 1/2"L.) (5.2161)												1
2A,C	5139800	HOSE, FLEX. (10 1/2"L.)				1								
2A,C	5126727	HOSE, FLEX. (12"L.) (12.4070)			1									
2A,C	5129153	HOSE, FLEX. (25 1/2"L.)			1									
2A,C	5127093	* HOSE, FLEX. (30"L.) (12.6865)									1			
2A,C	5189769	FLANGE (ELBOW)		1		1		1		1				1
	5181801	ELBOW (5.2161)		2		2		2		2				2
	5177218	CONNECTION (3/4"-1") (5.1235)		1										
	5186840	CLAMP (12.9660)		2		2		2		2				2
	111607	CLAMP (12.9660)			2						2			
	114931	BOLT, 5/16"-18X11/16" (12.9001)			2						2*			
	179816	BOLT, 5/16"-18X3/4" (12.9001)		2		2		2		2				2
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)			2						2			
	120393	WASHER, 5/16" FLAT (12.9190)			2						2			
	103320	LOCKWASHER, 5/16" (12.9200)		AR	AR	AR		AR		AR	AR			AR
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5138542 #12X73".												
		12.4377 - CLIP, AIR COMPRESSOR BOOSTER INLET TUBE AND ELBOW ASSY.												
2A,C	5155664	CLIP (4.1570)									1			
		12.4380 - GASKET, AIR BOOSTER INLET ELBOW TO AIR COMPRESSOR												
2A,C	5180273	GASKET (4.1520)			1						1			
2A,C	5150144	GASKET (4.1520)			2						2			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 253	254	257	264	269	270	275	277	284	286	292	295
		12.4001 - COMPRESSOR ASSY., AIR												
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES.)												
	NPN	COMPRESSOR (CUSTOMER FURNISHED)				1			1	1			1	
2A,C	**5127091**	* COMPRESSOR (B.W. #275007) (12 CFM)	1								1			1
2A,C	**5144303**	@ COMPRESSOR (B.W. #282397) (12 CFM)	1								1			1
2A,C	**2399656**	+ COMPRESSOR (M.R. #N-5504-B) (7 1/4 CFM) (5106140)		1								1		
2A,C	**5144300**	@ COMPRESSOR (B.W. #282383) (7 1/4 CFM)		1								1		
2A,C	**2370584**	* COMPRESSOR (B.W. #228320) (12 CFM)			1		1							
2A,C	**5102066**	COMPRESSOR (B.W. #285924) (12 CFM)			1		1							
2A,C	**5127616**	* COMPRESSOR (B.W. #229694) (12 CFM)						1						
2A,C	**5144302**	@ COMPRESSOR (B.W. #282389) (12 CFM)						1						
	118536	DRAINCOCK, 3/8" (12.9510)			1		1					1		
	179858	BOLT, 7/16"-14X1" (12.9001)			4									
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)					4							
	427570	BOLT, 7/16"-14X2" (12.9001)										1		
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	4	4				4	4		4	2		4
	186689	BOLT, 1/2"-13X2" (12.9001)										2		
	5150568	WASHER, COPPER (2.4050)										1		
	103322	LOCKWASHER, 7/16" (12.9200)			AR		AR					AR		
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR				AR	AR		AR	AR		AR
	456939	NUT, 7/16"-20 HEX. (12.9120)		4										
		* NOT SERVICED, USE SECOND COMPRESSOR ASSY. IN SAME TYPE.												
		@ USE 5145014 PLUG AND 5145009 PLUG AS REQUIRED.												
		+ NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES PLUS 5145014, 5145009.												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
2A,C	**5131939**	GASKET			1	1	1							
		12.4010 - BRACKET, AIR COMP. MTG.												
2D	**5130024**	# BRACKET, SUPPORT			1	1								
2D	**5131127**	BRACKET, ADJUSTING (INTERMEDIATE)			1	1								
2D	**5131126**	BRACKET, ADJUSTING (REAR)			1	1								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 253	254	257	264	269	270	275	277	284	286	292	295
		12.4010 - BRACKET, AIR COMP. MTG. (CONT'D)												
2D	5108746	* BRACKET, ADJUSTING (FRONT)			1	1								
2D	5129199	# BRACKET, MOUNTING			1	1								
2D	5108424	* BRACKET, MOUNTING			1	1								
2D	5128050	@ BRACKET					1							
2D	5138329	BRACKET								1				
2D	5123613	BRACKET, ADJUSTING											2	
2D	5123614	& BRACKET, ADJUSTING											1	
2D	5108716	* PLATE, SUPPORT			1	1								
2D	5145417	PLATE (LOWER COVER AND MOUNTING)					1			1				
	5160629	SPACER (13/32"X7/32") (4.2270)			6	6								
	5122266	* GASKET, ADJUSTING BRACKET (7.1597)			1	1								
	186676	* BOLT, 1/4"-20X5/8" (12.9001)			2	2								
	180120	* BOLT, 3/8"-16X3/4" (12.9001)			2	2								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2	2							1	
	186679	* BOLT, 3/8"-16X1 1/4" (12.9001)			2	2	2			2				
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)											1	
	186317	BOLT, 3/8"-24X5" (12.9001)			1	1								
	5126695	BOLT, 3/8"-24X5 3/8" (12.4001)			1	1							2	
	5131125	BOLT, 3/8"-24X5 3/4"			3	3								
	179858	* BOLT, 7/16"-14X1" (12.9001)			6	2							4	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)					4			4			4	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)					2			2				
	5128076	BOLT, 7/16"-14X4"					1			1				
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)			2	2								
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)			2	2								
	5152148	WASHER, 3/8" FLAT (COPPER) (12.9190)											1	
	103342	WASHER, 7/16" FLAT (12.9190)			AR	AR	AR			AR			AR	
	103343	WASHER, 1/2" FLAT (12.9190)			2									
	5109949	* WASHER (17/32"X1 3/16")			4	4								
	120380	LOCKWASHER, 1/4" (12.9200)			2	2								
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR			AR			AR	
	103322	LOCKWASHER, 7/16" (12.9200)			AR	AR	AR			AR			AR	
	103323	LOCKWASHER, 1/2" (12.9200)			2	2								
	117049	NUT, 3/8"-24 HEX. (12.9120)			3	3							3	
	441292	NUT, 7/16"-14 ELASTIC STOP (12.9120)					1		1					

THRU 6VA-14706, 8VA-5613; NOT SERVICED, USE ITEMS MARKED (*) WHEN REPLACEMENT IS NECESSARY.

* EFF. WITH 6VA-14707, 8VA-5614.

@ NOT SERVICED, REPLACE WITH 5138478 BRACKET AND INCLUDE 1-5145730 BELT.

& NOT SERVICED, REPLACE WITH 5197498 BRACKET, 2-215666 BOLTS, 2-5109949 WASHERS, 2-103322 LOCKWASHERS, 2-117050 NUTS AND 5170972 BELT SET.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 253	254	257	264	269	270	275	277	284	286	292	295
		12.4015 - PULLEY, AIR COMPRESSOR												
2B,D	5120588	PULLEY (2 GROOVE, 5.25" DIA.)			1	1								
2B,D	5117740	PULLEY (1 GROOVE, 7.50" DIA.)					1							
	103385	PIN, 1/8"X1" COTTER (12.9250)					1							
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE												
2B	5168696	PULLEY (5.54" DIA.) (1.7605)			1	1							1	
2B	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)			1	1							1	
2B	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)			1	1							1	
		12.4020 - ADAPTOR, AIR COMPRESSOR												
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.												
2B,C	5123116	+ RETAINER ASSY. (1.7645)			1	1							1	
2B,D	179858	BOLT, 7/16"-14X1" (12.9001)			1	1							1	
2B,D	179882	BOLT, 1/2"-13X1 1/8" (12.9001)			4	4							4	
	5150568	WASHER, COPPER (2.4050)			1	1							1	
2B	103322	LOCKWASHER, 7/16" (12.9200)			1	1							1	
2B	103323	LOCKWASHER, 1/2" (12.9200)			4	4							4	
		+ NOT SERVICED; USE 5131130 & 1-5131402 RETAINER ASSY.												
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR												
2B	5117061	GASKET (1.5040)	1	1	1	1		1	1		1	1	1	1
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
2A,C	5170450	PLATE (1.7630)	1	1	1	1		1	1		1	1	1	1
2A,C	5145092	BOLT, 3/8"-24X1.20" SELF-LOCK (12.5015)	4	4	4	4		4	4			4	4	4
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
2A,C	5144866	HUB	1	1				1	1		1	1		1
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1	1				1	1		1	1		1
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
2D	5168863	BELT SET (2 BELT, 39.80" L., W.) (7.1575)			1	1								
2D	5145730	BELT (48.00"L.,					1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 253	254	257	264	269	270	275	277	284	286	292	295
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE												
2B	5122876	SHAFT (1.7640)			1	1							1	
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT												
2B	954469	+ BEARING (N.D. 4605L1A) (1.7655)			1	1							1	
		+ OBSOLETE.												
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
2A,C	5141773	COUPLING	1	1				1	1		1	1		1
		12.4051 - SEAL, AIR COMPRESSOR DRIVE												
2B	5131329	SEAL (1.7660)			1	1							1	
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING												
2B	5155783	RING, 2 9/16" DIA. LOCK (1.7650)			1	1							1	
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
2A,C	5123697	TUBE (24.2" L.)		1								1		
2A,C	5126693	HOSE, FLEX. (29" L.)	1										1	
2A,C	5126692	HOSE, FLEX. (30" L.)			1	1								
2A,C	2289944	HOSE, FLEX. (11 13/64" L.) (7.4074)					1							
2A,C	5131146	HOSE, FLEX. (25" L.)						1						
2A,C	5109926	HOSE, FLEX. (25" L.)									1			
2A,C	5126692	HOSE, FLEX. (32" L.)												1
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)		1								1		
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)					1							
	116436	CONNECTOR, 1/4" FL. TUBE (12.9380)											1	1
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)			1	1					1			
	5177752	ELBOW, 1/8"X1/8"X1/4" (2.7890)					1							
	119113	ELBOW, 1/4"-45 DEG. STREET (12.9590)											1	
	116453	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)	1		1	1	1	1			1			
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)	1					1			1		1	1
	9432337	ELBOW, 1/4"-90 DEG. INV. FL. TUBE, 1/4" P.T. (12.9480)		1								1		
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)									1			
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)					1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 253	254	257	264	269	270	275	277	284	286	292	295
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)												
	5114551	LUG (7.4545)			1	1								
	444148	TEE, 1/4" PIPE (12.9616)												1
	5121182	PLUG, 1/4" PIPE (12.9550)												1
	5113629	FITTING, HOSE (1/8"-27 THREAD) (3.1002)				1								
	5189292	FITTING, HOSE (1/4"-18 THREAD) (5.7100)			1	1								
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
2D	5128829	* HOSE, FLEX. (11 1/2" L.) (5.7090)			1	1								
2D	2337354	HOSE, FLEX. (16 1/8" L.)					1							
2D	5126694	HOSE, FLEX. (15" L.)											1	
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)			1	1								
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)			1	1	1						1	
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)					1							
	5113192	FITTING, SWIVEL (7/8"-14 INT.) (12.6689)			1	1								
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5135293 #10X74".												
	5113215	FITTING, HOSE (1/2"-14) (12.6692)			1	1								
	444004	ADAPTOR, 1/2" PIPE (12.9565)					1							
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
2A,C	5171509	CLIP (5/8"X3/8" BOLT) (12.4095)	1											
2A,C	5158382	CLIP (7.4076)		1										
2A,C	5177623	CLIP (2.5120)			1	1								
2A,C	5151108	CLIP (12.4095)				1								1
2A,C	5153473	CLIP, HOSE (4.6040)						1			1		1	1
2A,C	3290442	CLIP (7.4085)										1		
	5160629	SPACER (13/32"X7/32") (4.2270)	1	1				1				1		
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)										1		
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	1	1				1				1		
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
2A,C	5123319	HOSE, FLEX. (53 1/2"L.) (4.4330)	1											
2A,C	5123318	HOSE, FLEX. (47" L.) (4.4330)		1										
2A,C	5126691	HOSE, FLEX. (19"L.)		1				1			1			
2A,C	5173858	@ HOSE, FLEX. (31"L.)			1	1								
2A,C	5129157	HOSE, FLEX. (12"L.)					1							
2A,C	5119835	* HOSE, FLEX. (21 1/2"L.)										1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 253	254	257	264	269	270	275	277	284	286	292	295
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
2A,C	5185394	HOSE, FLEX. (27"L.) (8.3830)											1	1
	9402839	ELBOW, 1/2" 90 DEG. (12.9391)										1		
	118757	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)	1	1	1	1	1	1			1		1	
	444136	TEE, 3/8" PIPE (12.9616)		1	1	1		1			1	1	1	1
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)										1		
	118536	DRAINCOCK, 3/8" (12.9510)										1		
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5129157 #8X73".												
		@ OBSOLETE.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
2A,C	5123317	HOSE, FLEX. (44" L.)	1	1		1					1			
2A,C	5123320	HOSE, FLEX. (38" L.)		1				1						
2A,C	5123318	HOSE, FLEX. (47" L.)			1	1								1
2A,C	5188017	HOSE, FLEX. (12" L.) (12.9490)					1							
2A,C	5162796	TUBE (27.60" DEV. L.)										1		
2A,C	5123316	HOSE, FLEX. (35 1/2" L.)											1	
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)					1							
2C	5130294	ELBOW, 1/2" TUBE 45 DEG., 3/8" P.T.	1	1				1			1			
2C	2325715	ELBOW, 1/2" TUBE 90 DEG. (3.5505)	1	1	1	1		1			1		1	1
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)			1	1	1						1	
	5176521	CONNECTOR, 1/2" TUBE SEALASTIC (12.9415)										2		
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)											1	
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)					1					1		
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)										2		
	5176523	NUT (1/2" TUBE SEALASTIC) (12.9445)										2		
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
2A,C	5171509	CLIP (5/8"X3/8" BOLT)	AR	AR				AR			AR		AR	AR
2A,C	3290076	CLIP			2	2								
2A,C	5153473	CLIP (4.6040)										1		
2A,C	5173022	SUPPORT, CLIP (5.5379)	1	1				1			1			
2A,C	5185005	BRACKET (4.1575)	1	1										
2A,C	5166565	BRACKET, CLIP			1	1								1
2A,C	5155464	BRACKET, CLIP (7.1582)										1		
2A,C	5159393	BRACKET (4.1575)											1	
2A,C	5114551	TAG (7.4545)			AR	AR							AR	AR
	181333	BOLT, 5/16"-24X5/8" (12.9001)										1		
	179835	BOLT, 3/8"-16X5/8" (12.9001)	2								2			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 253	254	257	264	269	270	275	277	284	286	292	295
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE (CONT'D)												
	180120	BOLT, 3/8"-16X3/4" (12.9001)	2	2	2	2		2						2
	179839	BOLT, 3/8"-16X1" (12.9001)											1	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			1	1		1					1	1
	186312	BOLT, 3/8"-24X4" (12.9001)			1	1						1		1
	103341	WASHER, 3/8" FLAT (12.9190)	2	2										
	103320	LOCKWASHER, 5/16"										1		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR			AR		AR	AR
	114493	NUT, 5/16"-24 HEX. (12.9120)										1		
	102635	NUT, 3/8"-16 HEX. (12.9120)	2	2	2	2		2			2		1	2
		12.4300 - STRAINER, AIR COMPRESSOR												
2A	5110411	STRAINER ASSY.	1	1								1	1	
2A	5110410	+ GASKET	1	1	1			1				1	1	
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2								2	2	
	103320	LOCKWASHER, 5/16" (12.9200)	2	2								2	2	
		+ FURNISHED WITH AIR COMPRESSOR.												
		12.4375 - TUBE AND ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET												
2A,C	5121773	TUBE (DEV. L. 7 7/8")			1	1		1						1
2A,C	5123457	TUBE (DEV. L. 11 3/16")			1	1		1						1
2A,C	5124994	TUBE (DEV. L. 11 1/2")			1	1								
2A,C	5129440	* HOSE, FLEX. (18" L.)			1	1								
2A,C	5126727	HOSE, FLEX. (12" L.)				1								
2A,C	5118113	HOSE, FLEX. (13 1/4" L.)					1							
2A,C	5108624	HOSE, FLEX. (24 1/4" L.)						1						
2A,C	5129583	TUBE (DEV. L. 9.50")						1						
2A,C	5129582	TUBE (DEV. L. 9.50")												1
2A,C	5109927	* HOSE, FLEX. (27" L.) (12.6407)												1
	5189769	FLANGE (ELBOW)					1							
	111607	CLAMP (12.9660)			2	2		2						2
	2337379	CLAMP					2							
	5127041	CONNECTOR (25 DEG.-3/4" PIPE) (5.1235)					1							
	5181801	ELBOW (5.2161)					1							
	138232	SCREW, 5/16"-24X1" SKT. HD. (12.9027)			1	1		1						1
	114931	BOLT, 5/16"-18X11/16" (12.9001)			2	2		2						2
	179816	BOLT, 5/16"-18X3/4" (12.9001)					2							
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)			2	2		2						2
	120393	WASHER, 5/16" FLAT (12.9190)			2	2		2						2
	103320	LOCKWASHER, 5/16" (12.9200)			5	5	2	5						5
	214279	NUT, 5/16"-24 HEX. (12.9120)			1	1		1						1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 253	254	257	264	269	270	275	277	284	286	292	295
	12.4377	**- CLIP, AIR COMPRESSOR BOOSTER INLET TUBE AND ELBOW ASSY.**												
2A,C	**5155664**	CLIP (4.1570)						1						
2A,C	**5173022**	BRACKET, CLIP (5.5379)												1
2A,C	**5161874**	CLIP, 1 1/16" DIA. (7.3245)												1
	12.4380	**- GASKET, AIR BOOSTER INLET TUBE ELBOW TO AIR COMPRESSOR**												
2A	**5180273**	GASKET (4.1520)			1	1		1						1
2A	**5150144**	GASKET (4.1520)			2	2		2						2

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 297	298	299	300	301	307	309	310	311	314	326	327
		12.4001 - COMPRESSOR ASSY., AIR												
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES.)												
	NPN	COMPRESSOR (CUSTOMER FURNISHED)	1		1								1	
2A,C	5127091	* COMPRESSOR (B.W. #275007) (12 CFM)				1						1		
2A,C	5144303	@ COMPRESSOR (B.W. #282397) (12 CFM)				1						1		
2A,C	2399656	+ COMPRESSOR (M.R. #N-5504-B) (7 1/4 CFM) (5106140)								1				
2A,C	5144300	@ COMPRESSOR (B.W. #282383) (7 1/4 CFM)								1				
2A,C	2370584	* COMPRESSOR (B.W. #228320) (12 CFM)		1							1			
2A,C	5102066	COMPRESSOR (B.W. #285924) (12 CFM)		1							1			
2A,C	5118886	+ COMPRESSOR (B.W. #286692) (12 CFM) (5101405)					1							1
2A,C	5102067	COMPRESSOR (B.W. #285923) (12 CFM)					1							1
2A,C	5144301	+ COMPRESSOR (M.R. #N-5504-A) (7 1/4 CFM) (5106139)						1						
2A,C	5130887	COMPRESSOR (B.W. #277181) (12 CFM)							1					
	179858	BOLT, 7/16"-14X1" (12.9001)												4
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)				4		4		4		4		
	103322	LOCKWASHER, 7/16" (12.9200)												AR
	103323	LOCKWASHER, 1/2" (12.9200)				AR		AR		AR		AR		
		* NOT SERVICED, USE SECOND COMPRESSOR ASSY. IN SAME TYPE.												
		@ USE 5145014 PLUG AND 5145009 PLUG AS REQUIRED.												
		+ NOT SERVICED. USE NUMBER SHOWN IN PARENTHESES.												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
2A,C	5131939	GASKET	1	1	1		1				1		1	
		12.4010 - BRACKET, AIR COMP. MTG.												
2D	5128050	* BRACKET			1									
2D	5123613	BRACKET, ADJUSTING					2							
2D	5123614	@ BRACKET, ADJUSTING					1							1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 297	298	299	300	301	307	309	310	311	314	326	327
		12.4010 - BRACKET, AIR COMP. MTG. (CONT'D)												
2D	5143874	BRACKET, MOUNTING	1	1							1			
2D	5143857	BRACKET, SUPPORT	1											
2D	5143873	BRACKET, SUPPORT	1											
2D	5130733	BRACKET, MOUNTING (FRONT)							1					
2D	5130731	BRACKET, SUPPORT							1					
2D	5130732	BRACKET, MOUNTING (REAR)							1					
2D	5131090	BRACKET, SUPPORT											1	
2D	5123613	BRACKET, ADJUSTING												1
2D	5145417	PLATE (LOWER COVER AND MOUNTING)	1	1	1						1			
2D	5130730	PLATE (LOWER COVER AND MOUNTING)							1					
	5131121	PLATE, SUPPORT											1	
	5131163	SUPPORT (6 BOLT)											1	
	5122266	# GASKET, ADJUSTING BRACKET (7.1597)							1					
	454894	BOLT, 1/4"-20X3/4" (12.9001)							2					
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2					2		2			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					1							1
	186679	# BOLT, 3/8"-16X1 1/4" (12.9001)			2				2				2	
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	4											
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	2											
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2											
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)					1							1
	5135182	BOLT, 3/8"-24X2 1/4"	1											
	5126695	BOLT, 3/8"-24X5 3/8" (12.4001)					2							2
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)							1					
	5131125	BOLT, 3/8"-24X5 3/4"							1				2	
	179858	BOLT, 7/16"-14X1" (12.9001)					4							
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	3	7			4		4		7			4
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)	4	4					6		4		6	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)			2									
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)											2	
	5128076	BOLT, 7/16"-14X4"	1	1	1						1			
	5152148	WASHER, 3/8" FLAT (COPPER) (12.9190)												1
	103341	WASHER, 3/8" (12.9190)	2											
	103342	WASHER, 7/16" FLAT (12.9190)	AR	AR			AR				AR			AR
	120380	LOCKWASHER, 1/4" (12.9200)							2					
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR				AR		AR			AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR		AR		AR		AR			AR
	102635	NUT, 3/8"-16 HEX. (12.9120)	2											
	117049	NUT, 3/8"-24 HEX. (12.9120)	1						1				3	3
	441292	NUT, 7/16"-14 ELASTIC STOP (12.9120)			1									

* NOT SERVICED; REPLACE WITH 5138478 BRACKET AND INCLUDE 1-5145730 BELT.

@ NOT SERVICED; REPLACE WITH 5197498 BRACKET, 2-215666 BOLTS, 2-5109949 WASHERS, 2-103322 LOCKWASHERS, 2-117050 NUTS AND 5170972 BELT SET.

EFFECTIVE WITH 6VA-14707, 8VA-5614.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 297	298	299	300	301	307	309	310	311	314	326	327
		12.4015 - PULLEY, AIR COMPRESSOR												
2B,D	**5117740**	PULLEY (1 GROOVE, 7.50" DIA.)			1									
2B,D	**5177009**	PULLEY (2 GROOVES, 6.25" DIA.)	1	1							1			
2B,D	**5121545**	PULLEY (2 GROOVES, 6.50" DIA.)					1							1
2B,D	**5162966**	PULLEY (2 GROOVES, 6.25" DIA.)							1				1	
	103385	PIN, 1/8"X1" COTTER (12.9250)												1
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE												
2B	**5168696**	PULLEY (5.54" DIA.) (1.7605)					1						1	1
2B	**5177236**	PULLEY (2 GROOVE, 6.25" DIA.)							1				1	
2B	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)					1						1	1
2B	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9140)					1						1	1
		12.4020 - ADAPTOR, AIR COMPRESSOR												
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.												
2B,D	**5123116**	RETAINER ASSY. (1.7645)					1		1				1	
	5131402	RETAINER ASSY. (1.7645)												1
2B,D	**179858**	BOLT, 7/16"-14X1" (12.9001)					1		1				1	
2B,D	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)					4		4				4	4
	5150568	WASHER, COPPER (2.4050)					1		1					1
2B	**103322**	LOCKWASHER, 7/16" (12.9200)					1		1				1	
2B	**103323**	LOCKWASHER, 1/2" (12.9200)					4		4				4	4
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR												
2B	**5117061**	GASKET (1.5040)				1	1	1	1	1		1	1	
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
2A,C	**5170450**	PLATE (1.7630)				1	1	1	1	1		1	1	1
2A,C	**5145092**	BOLT, 3/8"-24X1.20" SELF-LOCK (12.5015)				4	4	4	4	4		4	4	4
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
2A,C	**5144866**	HUB				1		1		1		1		
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)				1		1		1		1		
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
2D	**5134212**	BELT SET (2 BELT, 48.00" L., W.) (1.3320)	1	1							1			
2D	**5124293**	BELT SET (2 BELT, 43.60"L.,					1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 297	298	299	300	301	307	309	310	311	314	326	327
		12.4045 - BELT, AIR COMPRESSOR DRIVE (CONT'D)												
		W.)												
2D	5135882	BELT SET (2 BELT, 57.00" L., W.) COGGED (7.1575)							1				1	
2D	5145730	BELT (48.00"L.,			1									
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE												
2B	5122876	SHAFT (1.7640)					1		1				1	
2B	5131130	SHAFT (1.7640)												1
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT												
2B	954469	+ BEARING (N.D. 4605L1A) (1.7655)					1		1				1	
2B	907191	BEARING (N.D. 5206W) (1.7655)												1
		+ OBSOLETE.												
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
2A,C	5141773	COUPLING				1		1		1		1		
		12.4051 - SEAL, AIR COMPRESSOR DRIVE												
2B	5131329	SEAL (1.7660)					1		1				1	
2B	5131131	SPACER, SEAL (1.7665)												1
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING												
2B	5155783	RING, 2 9/16" DIA. LOCK (1.7650)					1		1				1	
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
2A,C	5135077	HOSE, FLEX. (23" L.)				1								
2A,C	5126693	HOSE, FLEX. (29" L.)					1		1					1
2A,C	2289944	HOSE, FLEX. (11 13/64" L.) (7.4074)			1									
2A,C	5109926	HOSE, FLEX. (25" L.)										1		
2A,C	5109271	HOSE, FLEX. (13 3/4" L.)		1							1			
2A,C	2278122	HOSE, FLEX. (21" L.)						1		1				
	116436	CONNECTOR, 1/4" FL. TUBE (12.9380)					1							1
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)										1		
	5177752	ELBOW, 1/8"X1/8"X1/4" (2.7890)						1						
	119113	ELBOW, 1/4"-45 DEG. STREET (12.9590)					1							1
	116453	ELBOW, 1/4"-90 DEG. FL. TUBE		1		1				1	1	1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 297	298	299	300	301	307	309	310	311	314	326	327
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)												
		(12.9390)												
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)				1	1	1	2					1
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)							1					
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
2D	**2337354**	HOSE, FLEX. (16 1/8" L.)			1									
2D	**5126694**	HOSE, FLEX. (15" L.)					1							1
2D	**5109830**	HOSE, FLEX. (19 7/8" L.)		1							1			
2D	**5118398**	* HOSE, FLEX. (10" L.)							1					
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)		1							1			
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9510)							1					
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)			1		1							1
	9402801	ELBOW, 5/8" PIPE 45 DEG. STREET (12.9600)							1					
	116487	CONNECTOR, 5/8" FL. TUBE (12.9380)		1							1			
	5113192	FITTING, SWIVEL (7/8"-14 INT.) (12.6689)							1					
	5113215	FITTING, HOSE (1/2"-14) (12.6692)							1					
	444004	ADAPTOR, 1/2" PIPE (12.9565)			1									
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5135293 #10X74".												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
2A,C	**5151108**	CLIP (12.4095)						1		1		1		
2A,C	**5153473**	CLIP, HOSE (4.6040)												1
2A,C	**5161873**	CLIP, 7/16" (7.4412)				1								
2A,C	**140582**	CLIP, 1/2" (12.9630)					2							
2A,C	**5168001**	CLIP (12.4095)							1					
2A,C	**3223197**	CLIP (7.4580)										1		
2A,C	**5160629**	SPACER (13/32"X7/32") (4.2270)				1								
	180120	BOLT, 3/8"-16X3/4" (12.9001)						1		1				
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)				1								
	103341	WASHER, 3/8" FLAT (12.9190)						1		1				
	103321	LOCKWASHER, 3/8" (12.9200)						1		1				
	102635	NUT, 3/8"-16 HEX. (12.9120)						1		1				
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
2A,C	**5130292**	TUBE (DEV. L. 12"L.)						1						
2A,C	**5123319**	HOSE, FLEX. (53 1/2"L.) (4.4330)					1							
2A,C	**5126691**	HOSE, FLEX. (19"L.)				1								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 297	298	299	300	301	307	309	310	311	314	326	327
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
2A,C	**5188017**	HOSE, FLEX. (12"L.)			1									
2A,C	**5185394**	HOSE, FLEX. (27"L.) (8.3830)												1
2A,C	**5131492**	HOSE, FLEX. (60"L.)		1							1			
2A,C	**5108744**	* HOSE, FLEX. (23"L.)							1					
2A,C	**5130291**	* HOSE, FLEX. (16 7/8"L.)								1				
2A,C	**5177217**	HOSE, FLEX. (3.50"L.)						1		1				
2A,C	**5108553**	HOSE, FLEX. (17 3/8"L.)										1		
	9402839	ELBOW										1		
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)										1		
2C	**118757**	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)		1		1	1		1		1			1
	5176522	ELBOW, 1/2" TUBE SEALASTIC (12.9425)						1						
	143340	ELBOW, 1/2" PIPE 45 DEG. (12.9600)								1				
	5127105	ELBOW (1/2" SEALASTIC - 45 DEG.) (12.9452)						1						
	5181801	ELBOW (3/4"-1") (5.2161)						1		1				
	118752	CONNECTOR, 1/2" FL. TUBE (12.9445)		1							1			
	444136	TEE, 3/8" PIPE (12.9616)				1						1		1
	120280	TEE, 3/8" PIPE (12.9616)		1							1			
	144086	TEE, 3/4" PIPE (12.9616)						1		1				
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)					1							
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)						1		1				
	120062	BUSHING, 1"X1/2" RED. PIPE (12.9570)							1					
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)		1							1			
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)						1		1				
	5121825	FITTING, 3/8"-18 (12.4090)								1				
	5173854	FITTING, 3/4"-18 (12.4090)								1				
	5176523	NUT, 1/2" TUBE SEALASTIC (12.9445)						2						
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)						2						
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5129157 #8X73".												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
2A,C	**5123320**	HOSE, FLEX. (38"L.)				1								
2A,C	**5123317**	HOSE, FLEX. (44" L.)					1							
2A,C	**5188017**	HOSE, FLEX. (12" L.) (12.9490)		1	1						1			
2A,C	**5123316**	HOSE, FLEX. (35 1/2" L.)							1					1
2A,C	**5130302**	TUBE (15" DEV. L.)						1						
2A,C	**5162800**	TUBE (50.55" DEV. L.)								1				
2A,C	**5108553**	HOSE, FLEX. (17 3/8" L.)										1		
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)		1							1			
	120702	ELBOW, 3/8"-45 DEG. STREET (12.9590)				1								
2C	**5130294**	ELBOW, 1/2" TUBE 45 DEG., 3/8" P.T.					1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 297	298	299	300	301	307	309	310	311	314	326	327
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)												
	2325715	ELBOW, 1/2" TUBE 90 DEG. (3.5505)				1	1		1					1
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)		1			1		1		1			1
	5176522	ELBOW, 1/2" TUBE SEALASTIC (12.9425)						1		1				
	5176521	CONNECTOR, 1/2" TUBE SEALASTIC (12.9415)						1		1				
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)				1								
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)						1		1		1		
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)		1							1			
	444867	PLUG, 3/8" PIPE (12.9550)				1								
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)						2		2				
	5176523	NUT (1/2" TUBE SEALASTIC) (12.9445)						2		2				
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
	5171509	CLIP (5/8"X3/8" BOLT)				AR								AR
	5160030	CLIP, 5/8" (2.5120)					4							
	5151189	CLIP, 3/4" (4.8040)							2	1				
	5168001	CLIP								2				
	5173022	SUPPORT, CLIP (5.5379)				2		1		1				
	5159393	BRACKET (4.1575)					1							1
	5111079	BRACKET							1					
	5114551	TAG (7.4545)					AR							
	5160629	SPACER (13/32"X7/32") (4.2270)				1								
	5159347	SPACER (7.1581)								2				
	181333	BOLT, 5/16"-24X5/8" (12.9001)							1					
	181595	BOLT, 5/16"-24X3/4" (12.9001)				1								
	180120	BOLT, 3/8"-16X3/4" (12.9001)				2								
	180121	BOLT, 3/8"-16X7/8" (12.9001)				1								
	179839	BOLT, 3/8"-16X1" (12.9001)					1							1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1								
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								2				
	103341	WASHER, 3/8" FLAT (12.9190)				2								
	103320	LOCKWASHER, 5/16"				1			1					
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR			AR				AR
	114493	NUT, 5/16"-24 HEX. (12.9120)				1			1					
	102635	NUT, 3/8"-16 HEX. (12.9120)				2	1							1
		12.4300 - STRAINER, AIR COMPRESSOR												
2A	5110411	STRAINER ASSY.								1		1		1
2A	5110410	+ GASKET								1		1		1
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)								2		2		2

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 297	298	299	300	301	307	309	310	311	314	326	327
	12.4300	**- STRAINER, AIR COMPRESSOR (CONT'D)**												
	103320	LOCKWASHER, 5/16" (12.9200) ..... + FURNISHED WITH AIR COMPRESSOR.								2		2		2
	12.4375	**- TUBE AND ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET**												
2A,C	**5118113**	HOSE, FLEX. (13 1/4" L.)			1									
2A,C	**5129153**	HOSE, FLEX. (25 1/2" L.)		1							1			
2A,C	**5189769**	FLANGE (ELBOW)		1							1			
	5186840	CLAMP (12.9660)		2	2						2			
	5127041	CONNECTOR (25 DEG.-3/4" PIPE) (5.1235)			1									
	5181801	ELBOW (5.2161)		2							2			
	179816	BOLT, 5/16"-18X3/4" (12.9001)		2							2			
	103320	LOCKWASHER, 5/16" (12.9200)		2							2			
	12.4377	**- CLIP, AIR COMPRESSOR BOOSTER INLET TUBE AND ELBOW ASSY.**												
2A,C	**5173022**	BRACKET, CLIP (5.5379)						1						

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	331	332	334	337	340	343	344	345	347	349
		12.4001 - COMPRESSOR ASSY., AIR												
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES).												
	NPN	COMPRESSOR (CUSTOMER FURNISHED)				1						1	1	
2A,C	2370584	* COMPRESSOR (#228320) (12 CFM)	1		1									
2A,C	5102066	COMPRESSOR (#285924) (12 CFM)	1		1									
2A,C	5118886	+ COMPRESSOR (#286692) (12 CFM) (5101405)		1			1							
2A,C	5102067	COMPRESSOR (#285923) (12 CFM)		1			1		1	1	1			1
2A,C	5144306	@ COMPRESSOR (#282404) (24 CFM)						1						
	179858	BOLT, 7/16"-14X1" (12.9001)		4	4		3		6		4			
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)					1							
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	4							4				
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR		AR		AR	AR	AR			AR
		* NOT SERVICED; USE SECOND COMPRESSOR IN SAME TYPE.												
		@ USE 5145014 PLUG AND 5145009 PLUG AS REQUIRED.												
		+ NOT SERVICED. USE NUMBER SHOWN IN PARENTHESES.												
		12.4005 - GASKET, AIR COMP. MOUNTING												
2A,C	5131939	GASKET							1	1		1		1
		12.4010 - BRACKET, AIR COMP. MTG.												
2D	5131126	BRACKET, ADJUSTING (REAR)	1		1	1							1	
2D	5131127	BRACKET, ADJUSTING (INTERMEDIATE)	1		1	1							1	
	5108424	BRACKET, MOUNTING	1			1							1	
	5108746	BRACKET, ADJUSTING (FRONT)	1		1	1							1	
2D	5123614	# BRACKET		1			1				1			
2D	5123613	BRACKET, ADJUSTING		2			2		2	2	2			2
	5131090	BRACKET, SUPPORT										1		
	5108716	PLATE, SUPPORT	1		1								1	
	5131121	PLATE, SUPPORT										1		
	5131139	SUPPORT (6 HOLE)							1	1				1
	5131163	SUPPORT (6 HOLE)										1		
	5158631	SHIM	2		2								2	
	5108436	SPACER (7.1598)	1		1	1							1	
	5160629	SPACER (13/32"X7/32") (4.2270)	6		6	6							6	
	5122266	GASKET, ADJUSTING BRACKET (7.1597)	1		1	1							1	
	186676	BOLT, 1/4"-20X5/8" (12.9001)	2		2	2							2	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	331	332	334	337	340	343	344	345	347	349
		12.4010 - BRACKET, AIR COMP. MTG. (CONT'D)												
	180120	BOLT, 3/8"-16X3/4" (12.9001)	2		2	2							2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	3	1	2	2	1		1	1	1		2	1
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)							1	1				
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)		1			1				1			
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)												1
	186813	BOLT, 3/8"-24X3" (12.9001)										1		
	186317	BOLT, 3/8"-24X5" (12.9001)	1		1	1							1	
	5126695	BOLT (3/8"-24X5 3/8")		2			2				2			
	5131125	BOLT, 3/8"-24X5 3/4"	3		3	3			2	2		2	3	2
	179858	BOLT, 7/16"-14X1" (12.9001)	1		1								1	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	1	4	1	1	8				4	2	1	
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)										2		
	215666	BOLT, 7/16"-20X5 3/4" (12.9001)							2	2				2
	431809	BOLT, 1/2"-13X6" (12.9001)	1		1	1							1	
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)	1		1	1			—				1	
	5155596	WASHER (4.7120)							1	1				1
	5164360	WASHER (6.1001)							2	2				2
	9414322	WASHER (3/8"X.744"X.63")										4		
	5152148	WASHER, 3/8" FLAT (COPPER)(2.4050)		1			1				1			
	103342	WASHER, 7/16" FLAT (12.9190)		AR			AR				AR			
	5109949	WASHER (17/32"X1 3/16") (5.4025)	2		2	2							2	
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR			AR	AR		AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)	AR		AR								AR	
	117049	NUT, 3/8"-24 HEX. (12.9120)	3		3	3			2	2			3	2
	103026	NUT, 3/8"-24 HEX. (12.9120)										3		
	456939	NUT, 7/16"-20 HEX. (12.9120)							2	2				2
	102637	NUT, 1/2"-13 HEX. (12.9120)	2		2	2							2	
		# NOT SERVICED; REPLACE WITH 5197498 BRACKET, 2-215666 BOLTS, 2-5109949 WASHERS, 2-103322 LOCKWASHERS, 2-117050 NUTS AND 5170972 BELT SETS.												
		12.4015 - PULLEY, AIR COMPRESSOR												
2B,D	5120588	PULLEY (2 GROOVE, 5.25" DIA.)	1		1	1							1	
2B,D	5121545	PULLEY (2 GROOVE, 6.25" DIA.)		1			1				1			
2B,D	5162966	PULLEY (2 GROOVE, 6.25" DIA.)							1	1		1		1
	103385	PIN, 1/8"X1" COTTER (12.9250)	1	1	1	1	1		1	1		1	1	
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE												
2B,D	5168696	PULLEY (2 GROOVE, 5.54" DIA.) (1.7605)	1	1	1	1	1				1		1	
2B,D	5177236	PULLEY (2 GROOVE, 6.25" DIA.)							1	1		1		1
2B	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)	1	1	1	1	1		1	1	1	1	1	1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	331	332	334	337	340	343	344	345	347	349
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE (CONT'D)												
2B	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)	1	1	1	1	1		1	1	1	1	1	1
		12.4020 - ADAPTOR, AIR COMPRESSOR												
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.												
2A,B	5131402	RETAINER ASSY. (1.7645)	1	1	1	1	1		1	1	1	1	1	1
2A,B	179857	BOLT, 7/16"-14X7/8" (12.9001)											1	
2A,B	179858	BOLT, 7/16"-14X1" (12.9001)		1			1		1	1	1	1		1
2A,B	179882	BOLT, 1/2"-13X1 3/8" (12.9001)	4	4	4	4	4		4	4	4	4	4	4
	5150568	WASHER, COPPER (2.4050)		1			1		1		1			1
2B	5125108	WASHER, 7/16" FLAT (2.4030)								1				
2B	103322	LOCKWASHER, 7/16" (12.9200)	1		1	1			1	1	1	1	1	1
2B	103323	LOCKWASHER, 1/2" (12.9200)	4		4	4			4	4	4	4	4	4
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR												
2A,B	5117061	GASKET (1.5040)	1	1	1	1	1		1	1	1	1	1	
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
2B,C	5170450	PLATE	1	1	1	1	1	1	1	1	1		1	1
2B,C	5145091	BOLT (3/8"-24X1.38") SELF LOCK	4	4	4	4	4	4	4	4	4	4	4	4
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
2A,C	5144866	HUB						1						
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)						1						
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
2D	5168863	BELT SET (2 BELT, 39.80"L., 9597"W.) (7.1575)	1		1	1							1	
2D	5124293	BELT SET (2 BELT, 43.60"L.,		1			1				1			
2D	5172384	BELT SET (2 BELT, 47.00"L., (1.3320)							1	1				1
2D	5135882	BELT SET (2 BELT, 57.00"L., (7.1575)										1		
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE												
2B	5131130	SHAFT	1	1	1	1	1		1	1	1	1	1	1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	331	332	334	337	340	343	344	345	347	349
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT												
2B	907191	BEARING (N.D. 5206W) (1.7655)	1	1	1	1	1		1	1	1	1	1	
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
2A,C	5141773	COUPLING						1						
		12.4051 - SEAL, AIR COMPRESSOR DRIVE												
2B	5131329	SEAL (1.7660)	1	1	1	1	1		1	1	1	1	1	1
	5131131	SPACER, SEAL (1.7665)	1	1	1	1	1		1	1	1	1	1	1
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING												
2B	5155783	RING, LOCK (2 9/16" DIA.) (1.7650)	1	1	1	1	1		1	1	1	1	1	1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
2A,C	2308332	HOSE, FLEX. (24"L.)						1						
2A,C	5126693	HOSE, FLEX. (29"L.)		1			1				1			
	2327515	+ HOSE, FLEX. (42 1/2"L.)	1		1	1							1	
		12.4065 - TUBE, AIR COMPRESSOR OIL SUPPLY												
2A,C	5126692	HOSE, FLEX. (32"L.)							1	1				1
	116436	CONNECTOR, 1/4" FL. TUBE (12.9380)	1	1	1						1			
	119113	ELBOW, 1/4"-45 DEG. STREET (12.9590)		1					1	1	1			1
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)	1	1	1	1	1	1	1	1	1			1
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)											2	
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)				1							1	
	5114551	TAG, CABLE (7.4545)	1		1		1							
	444148	TEE, 1/4" PIPE (12.9616)	1		1			1						
	5145009	PLUG, 1/8" PIPE	1		1	1							1	
	5145010	PLUG, 1/4" PIPE (12.9550)	1		1			1						
		+ OBSOLETE.												
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
2D	5135293	* HOSE, FLEX. (9"L.)								1				
2D	5135293	* HOSE, FLEX. (11 1/2"L.) (5.7090)	1		1	1							1	
2D	5126694	HOSE, FLEX. (15"L.)									1			1
2D	5135293	* HOSE, FLEX. (26"L.)		1					1					

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	331	332	334	337	340	343	344	345	347	349
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN (CONT'D)												
2D	5135293	* HOSE, FLEX. (36"L.)					1							
	137894	ELBOW, 1/2"-90 DEG. STREET (12.9590)	1		1	1			1				1	
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9590)		1			1		1					
	109429	ELBOW, 5/8" FL. TUBE 90 DEG. (12.9390)	1		1	1	1						1	
	116487	CONNECTOR, 1/2" TUBE		1			1							
	141504	NIPPLE, 1/2"X1 1/2" PIPE (12.9560)					1							
	5113192	FITTING, SWIVEL (7/8"-14 INT.) (12.6689)	1	1	1	1	1		1	1			1	
	5113215	FITTING, HOSE (1/2"-14) (12.6692)	1	1	1	1			1	1			1	
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
2A,C	5151108	CLIP (12.4095)			1					1				
2A,C	5161873	CLIP, 7/16" (7.4412)			2	AR							2	
2A,C	140582	CLIP, 1/2" CLOSED (12.9630)									2			2
2A,C	5151189	CLIP, 3/4" (4.8040)								1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)				1				1			1	
	103341	WASHER, 3/8" FLAT (12.9190)								1				
	103321	LOCKWASHER, 3/8" (12.9200)								1				
	102635	NUT, 3/8"-16 HEX. (12.9120)								1				
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
2A,C	5129157	* HOSE, FLEX. (10"L.) (JUMPER LINE)						1						
2A,C	5185394	HOSE, FLEX. (27"L.) (8.3830)		1			1		1	1				
2A,C	5173858	@ HOSE, FLEX. (31"L.)	1		1	1	1						1	
2A,C	5123318	HOSE, FLEX. (47"L.) (4.4330)	1											
2A,C	5129157	* HOSE, FLEX. (49 1/2"L.)						1						
2A,C	5123319	HOSE, FLEX. (53 1/2"L.) (4.4330)									1			1
2C	118757	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)		1			1		1	1	1			1
	188948	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9390)						1						
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)						1						
	143340	ELBOW, 1/2" TUBE 45 DEG., 3/8" P.T.						2						
	9402839	ELBOW, 1/2" TUBE 90 DEG., 3/8" P.T. (12.9391)						4						
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)								1	1			1
	118752	CONNECTOR, 1/2" TUBE (12.9380)	1					1					1	
	5121825	FITTING, HOSE (3/8"-18)						AR						
	5173854	FITTING, HOSE (3/4"-18)												
	444136	TEE, 3/8" PIPE (12.9616)	1	1	1	1	1		1	1			1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	331	332	334	337	340	343	344	345	347	349
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)						1			1			1
	118536	DRAINCOCK, 3/8" (12.9510)						1						
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		@ OBSOLETE.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
2A,C	5123316	HOSE, FLEX. (35 1/2"L.) (4.4330)								1				
2A,C	5123317	HOSE, FLEX. (44" L.) (4.4330)		1	1				1		1		1	1
2A,C	5123318	HOSE, FLEX. (47"L.) (4.4330)	1			1								
2A,C	5132214	* HOSE, FLEX. (47"L.)						1						
	143340	ELBOW, 1/2"-45 DEG. INV. FL. TUBE (12.9480)						1						
2C	9402826	ELBOW, 1/2" TUBE 45 DEG., 3/8" P.T. (12.9390)									1			1
2C	2325715	ELBOW, 1/2" TUBE 90 DEG. (3.5505)	1	1	1	1			1	1	1		1	1
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	1	1	1	1	2		1	1	1		1	1
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)			1	1								
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)					1	1			1			
	5120020	FITTING, HOSE 3/4"-16 (12.4085)					1							
	5121825	FITTING, HOSE (3/8"-18)					1							
	5173854	FITTING, HOSE (3/4"-18 THD.)						2						
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5129157 #8X73".												
		12.4095 - CLIP, AIR COMP. WATER TUBE												
2A,C	5153473	CLIP (1/2"X3/8" BOLT) (4.6040)	1							1				
2A,C	5171509	CLIP (5/8"X3/8" BOLT) (9.1591)		AR	AR	AR			AR	AR			AR	AR
2A,C	3290076	CLIP (5/8"X3/8" BOLT) (4.8040)									AR			
2A,C	5151189	CLIP (3/4") (4.8040)	AR					AR		AR				
2A,C	5155464	BRACKET, CLIP (7.1582)	1											
2A,C	5159393	BRACKET (4.1575)		1					1	1	1			1
2A,C	5166565	BRACKET, CLIP (9.1591)			1	1		1					1	
2A,C	5127861	BRACKET (7.1587)								1				
2A,C	5114551	TAG, CABLE (7.4545)	AR	AR	AR				AR	AR	AR		AR	AR
2A,C	5164789	SPACER, CLIP (5.4025)						1						
2A,C	5160629	SPACER (13/32"X7/32") (4.2270)								1				
	215386	BOLT, 5/16"-18X6" (12.9001)						1						
	181596	BOLT, 5/16"-24X7/8" (12.9001)						1						
	179835	BOLT, 3/8"-16X5/8" (12.9001)						2						
	180120	BOLT, 3/8"-16X3/4" (12.9001)	1		1								1	
	179839	BOLT, 3/8"-16X1" (12.9001)		1					1	1	1			1
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	1	1	1	1			1				1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	331	332	334	337	340	343	344	345	347	349
		12.4095 - CLIP, AIR COMP. WATER TUBE (CONT'D)												
	186312	BOLT, 3/8"-24X4" (12.9001)	1		1	1							1	
	103320	LOCKWASHER, 5/16" (12.9200)						1						
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR		AR	AR
	114493	NUT, 5/16"-24 HEX. (12.9120)						1						
	102635	NUT, 3/8"-16 HEX. (12.9120)	1	1	1	1			1	1	1		1	1
		12.4300 - STRAINER, AIR COMPRESSOR												
2A	5110411	STRAINER ASSY.		1			1		1	1				
2A	5110410	+ GASKET	1	1	1		1		1	1	1			1
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		2			2		2	2				
	103320	LOCKWASHER, 5/16" (12.9200)		2			2		2	2				
		+ FURNISHED WITH AIR COMPRESSOR.												
		12.4375 - TUBE AND ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET												
2A,C	5121773	TUBE (DEV. L. 7 7/8")	1		1	1							1	
2A,C	5123457	TUBE (DEV. L. 11 3/16")	1		1	1							1	
2A,C	5124994	TUBE (DEV. L. 11 1/2")	1		1	1							1	
2A,C	5126727	* HOSE, FLEX. (12" L.) (5138542) (12.4070)			1								1	
2A,C	5129440	* HOSE, FLEX. (18" L.)	1			1								
2A,C	5186840	CLAMP (12.9660)	2		2	2							2	
	138232	SCREW, 5/16"-24X1" SKT. HD. (12.9027)	1		1	1							1	
	114931	BOLT, 5/16"-18X11/16" (12.9001)	2		2	2							2	
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)	2		2	2							2	
	120393	WASHER, 5/16" FLAT (12.9190)	2		2	2							2	
	103320	LOCKWASHER, 5/16" (12.9200)	5		5	5							5	
	214279	NUT, 5/16"-24 HEX. (12.9120)	1		1	1							1	
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5138542 #12X73".												
		12.4380 - GASKET, AIR BOOSTER INLET TUBE ELBOW TO AIR COMPRESSOR												
2A,C	5180273	GASKET (4.1520)	1		1	1							1	
2A,C	5150144	GASKET (4.1520)	2		2	2							2	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 350	353	356	358	362	364	365	370	375	377	382
		12.4001 - COMPRESSOR ASSY., AIR											
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES).											
	NPN	COMPRESSOR (CUSTOMER FURNISHED)		1									1
2A,C	5102066	COMPRESSOR (#285924) (12 CFM)				1							
2A,C	5144306	* COMPRESSOR (#282404) (24 CFM)									1		
2A,C	5131823	COMPRESSOR (#277624) (12 CFM)			1			1					
2A,C	5144300	* COMPRESSOR (#282383) (7 1/4 CFM)	1						1				
2A,C	5144302	* COMPRESSOR (#282389) (12 CFM)					1					1	
2A,C	5144303	* COMPRESSOR (#282397) (12 DFM)								1			
	118536	DRAINCOCK, 3/8" (12.9510)											1
	179858	BOLT, 7/16"-14X1" (12.9001)			6			4					
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	4				4		4	4	4	4	
	103322	LOCKWASHER, 7/16" (12.9200)			AR								
	103323	LOCKWASHER, 1/2" (12.9200)	AR				AR	AR	AR	AR	AR	AR	
		* USE 5145014 PLUG AND 5145009 PLUG AS REQUIRED.											
		12.4005 - GASKET, AIR COMP. MOUNTING											
2A,C	5131939	GASKET		1	1			1					1
		12.4010 - BRACKET, AIR COMP. MTG.											
2D	5123613	BRACKET, ADJUSTING			2			2					
2D	5131090	BRACKET, SUPPORT		1									
	5143874	BRACKET				1							
	5143873	BRACKET, SUPPORT				1							
	5143857	BRACKET, SUPPORT				1							
	5131446	* BRACKET, ADJUSTING											1
	5131445	BRACKET, ADJUSTING											1
	5131447	PLATE, SUPPORT											1
	5131121	PLATE, SUPPORT		1									
	5145417	PLATE (LOWER COVER AND MOUNTING)				1							
	5131139	SUPPORT (6 HOLE)			1			1					
	5131163	SUPPORT (6 HOLE)		1									
	5136148	SHIM											AR
	5136147	SHIM											AR
	5126323	SHIM											AR
	179839	BOLT, 3/8"-16X1" (12.9001)				2							
	186679	BOLT, 3/8"-16X1 1/8" (12.9001)											2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 350	353	356	358	362	364	365	370	375	377	382
		12.4010 - BRACKET, AIR COMP. MTG. (CONT'D)											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1			1					
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)				4							
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)				2							
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)				2							
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)			1			1					
	186813	BOLT, 3/8"-24X3" (12.9001)		1									
	5135182	BOLT, 3/8"-24X3 1/4"				1							
	5131125	BOLT, 3/8"-24X5 3/4"		2	2								
	5131478	BOLT, 3/8"-24X6"						2					
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		2		7							2
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)				4							1
	427570	BOLT, 7/16"-14X2" (12.9001)											1
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)		2									
	5128076	BOLT, 7/16"-14X4"				1							
	215666	BOLT, 7/16"-20X5 3/4" (12.9001)			2			2					
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)											1
	5155596	WASHER (4.7120)			1								
	5164360	WASHER (6.1001)			2								
	9414322	WASHER (3/8"X.744"X.63")		4									
	5152148	WASHER, 3/8" FLAT (COPPER) (2.4050)						1					
	103341	WASHER, 3/8" (12.9190)				AR							
	103342	WASHER, 7/16" FLAT (12.9190)				AR							
	5109949	WASHER (17/32"X1 3/16") (5.4025)						2					2
	5130822	WASHER, 17/32"X1/8" (5.4140)											2
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR							AR
	103322	LOCKWASHER, 7/16" (12.9200)		AR	AR	AR		AR					AR
	103323	LOCKWASHER, 1/2" (12.9200)											AR
	117062	NUT, 3/8" HEX. (12.9120)				2							
	117049	NUT, 3/8"-24 HEX. (12.9120)			2	1		2					
	103026	NUT, 3/8"-24 HEX. (12.9120)		3									
	456939	NUT, 7/16"-20 HEX. (12.9120)			2			2					
	102637	NUT, 1/2"-13 HEX. (12.9120)											1
		* NOT SERVICED; USE 1-5144155 AND 1-5144156 PLATE.											
		12.4015 - PULLEY, AIR COMPRESSOR											
2B,D	5162966	PULLEY (2 GROOVE, 6.25" DIA.)		1	1			1					
2B,D	5177009	PULLEY (2 GROOVE, 6.25" DIA.)				1							
2B,D	5133616	PULLEY (2 GROOVE, 5.00" DIA.)											1
	103385	PIN, 1/8"X1" COTTER (12.9250)			1	1							
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE											
2B,D	5133615	PULLEY (2 GROOVE, 5.00" DIA.)											1
2B,D	5133838	PULLEY (2 GROOVE, 5.50" DIA.)						1					
2B,D	5177236	PULLEY (2 GROOVE, 6.25" DIA.)		1	1								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 350	353	356	358	362	364	365	370	375	377	382
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE (CONT'D)											
2B	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1	1			1					1
2B	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9140)		1	1			1					1
		12.4020 - ADAPTOR, AIR COMPRESSOR											
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.											
2B,D	**5131402**	RETAINER ASSY. (1.7645)		1	1			1					1
2B,D	**179858**	BOLT, 7/16"-14X1" (12.9001)		1	1			1					1
2B,D	**179882**	BOLT, 1/2"-13X1 3/8" (12.9001)		4	4			4					4
	5150568	WASHER, COPPER (2.4050)		1				1					1
2B	**5125108**	WASHER, 7/16" FLAT (2.4030)			1								
2B	**103322**	LOCKWASHER, 7/16" (12.9200)		1	1			1					1
2B	**103323**	LOCKWASHER, 1/2" (12.9200)		4	4			4					4
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR											
2B	**5117061**	GASKET (1.5040)	1	1	1			1	1	1	1	1	1
		12.4037 - PLATE, AIR COMPRESSOR DRIVE											
2A,C	**5170450**	PLATE	1	1	1		1	1	1	1	1	1	1
2A,C	**5145091**	BOLT (3/8"-24X1.38") SELF LOCK	4	4	4		4	4	4	4	4	4	4
		12.4040 - HUB, AIR COMPRESSOR DRIVE											
2A,C	**5144866**	HUB	1				1		1	1	1	1	
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1				1		1	1	1	1	
		12.4045 - BELT, AIR COMPRESSOR DRIVE											
2D	**5126763**	BELT SET (2 BELT, 40.00"L., (1.3320)											1
2D	**5170972**	BELT SET (2 BELT, 45.44"L., (1.3320)						1					
2D	**5172384**	BELT SET (2 BELT, 47.00"L., (1.3320)			1								
2D	**5126765**	BELT SET (2 BELT, 48.00"L., (1.3320)				1							
2D	**5135882**	BELT SET (2 BELT, 57.00"L., (7.1575)		1									

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 350	353	356	358	362	364	365	370	375	377	382
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE											
2B	5131130	SHAFT		1	1			1					1
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE											
2A,C	5141773	COUPLING	1				1		1	1	1		
		12.4051 - SEAL, AIR COMPRESSOR DRIVE											
2B	5131329	SEAL (1.7660)		1	1								
	5131131	SPACER, SEAL (1.7665)		1	1			1					1
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING											
2B	5155783	RING, LOCK (2 9/16" DIA.) (1.7650)		1	1								
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY											
2A,C	2308332	HOSE, FLEX. (24"L.)									1		
2A,C	5126693	HOSE, FLEX. (29"L.)						1		1			
	5136052	HOSE, FLEX. (31"L.)				1							
		12.4065 - TUBE, AIR COMPRESSOR OIL SUPPLY											
2A,C	5109271	HOSE, FLEX. (13 3/4"L.)				1							
2A,C	5131146	HOSE, FLEX. (25"L.)	1						1			1	
2A,C	5126692	HOSE, FLEX. (32"L.)			1	1							1
2A,C	5131140	HOSE, FLEX. (36"L.)											1
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)						1					
	119113	ELBOW, 1/4"-45 DEG. STREET (12.9590)											
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)	1		1			1	1	1	1	1	
	116453	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)	1		1	1			1	1		1	1
	9432337	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)				1							
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)									1	1	
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9560)				1							
	105405	NIPPLE, 1/4"X7/8" PIPE (12.9560)										1	
	444148	TEE, 1/4" PIPE (12.9616)									1		
	105417	TEE, 1/4" PIPE (12.9616)										1	
	5145010	PLUG, 1/4" PIPE (12.9550)									1		
	444000	ADAPTOR, 1/4"-18 PIPE			1								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 350	353	356	358	362	364	365	370	375	377	382
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN											
2D	5126694	HOSE, FLEX. (15"L.)			1	1							
2D	5135293	* HOSE, FLEX. (26"L.)						1					
2D	5135293	* HOSE, FLEX. (38"L.)											1
	137894	ELBOW, 1/2"-90 DEG. STREET (12.9590)				1		1					
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9590)						1					
	109429	ELBOW, 5/8" FL. TUBE 90 DEG. (12.9390)											1
	116487	CONNECTOR, 1/2" TUBE				1		1					
	5113192	FITTING, SWIVEL (7/8"-14 INT.) (12.6689)						1					1
	5113215	FITTING, HOSE (1/2"-14) (12.6692)						1					1
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)				1							
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE											
2A,C	5157702	CLIP (4.8040)											1
2A,C	5161873	CLIP, 7/16" (7.4412)								AR		AR	
2A,C	5153473	CLIP, 1/2" (4.6040)				2							1
2A,C	5160629	SPACER, CLIP (4.2270)								1		1	
2A,C	5175705	SPACER, CLIP (8.3826)											1
2A,C	5164294	SPACER, CLIP (7.1581)											1
	180121	BOLT, 3/8"-16X7/8" (12.9001)				2							
	179847	BOLT, 3/8"-16X2" (12.9001)											1
	9430221	BOLT, 3/8"-16X4 3/4" (12.9001)								1		1	
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)											1
	103341	WASHER, 3/8" FLAT (12.9190)				2							
	103321	LOCKWASHER, 3/8" (12.9200)				2							1
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET											
2A,C	5129157	* HOSE, FLEX. (16 7/8"L.)							1			1	
2A,C	5126691	HOSE, FLEX. (19"L.)	1										
2A,C	5129157	* HOSE, FLEX. (26 1/2"L.)			1	1							
2A,C	5185394	HOSE, FLEX. (27"L.) (8.3830)						1					
2A,C	5129157	* HOSE, FLEX. (33 3/4"L.)											1
2A,C	5129157	* HOSE, FLEX. (41"L.)									1		
2A,C	5123319	HOSE, FLEX. (53 1/2"L.) (4.4330)								1			
2A,C	118757	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)	1			1		1		2		2	1
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)									1		
	143340	ELBOW, 1/2" TUBE 45 DEG., 3/8" P.T.									1		
	137425	ELBOW, 1/2" TUBE 90 DEG., 3/8"-18									1		
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)			1								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 350	353	356	358	362	364	365	370	375	377	382
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)											
	118752	CONNECTOR, 1/2" TUBE (12.9380)	1			1			1				
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)				1							
	5121825	FITTING, HOSE (3/8"-18)						1	1		1		1
	5173854	FITTING, HOSE (3/4"-18)									AR		
	5120020	FITTING, HOSE (3/4"-16)							1			2	1
	444136	TEE, 3/8" PIPE (12.9616)	1					1	1			1	1
	120280	TEE, 3/8" PIPE (12.9616)				1							
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)			1	1							
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)	1			1			1		1		
	118536	DRAINCOCK, 3/8" (12.9510)	1		1				1				
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET											
2A,C	**5188017**	HOSE, FLEX. (12"L.) (8.3830)				1							
2A,C	**5130291**	* HOSE, FLEX. (16 7/8"L.)							1				
2A,C	**5126691**	HOSE, FLEX. (19"L.)	1										
2A,C	**5127818**	# HOSE, FLEX. (23 7/8"L.)			1								
	5109118	* HOSE, FLEX. (36 1/2"L.)											1
2A,C	**5123317**	HOSE, FLEX. (44"L.) (4.4330)						1		1		1	
2A,C	**5132214**	* HOSE, FLEX. (47"L.)									1		
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)				1							
	143340	ELBOW, 1/2"-45 DEG. INV. FL. TUBE (12.9480)									1		
	5130294	ELBOW, 1/2" TUBE 45 DEG., 3/4"-16 EXT.								1			
2A,C	**2325715**	ELBOW, 1/2" TUBE 90 DEG. (3.5505)						1		1		1	1
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	1		3	1		1	1				1
	137425	ELBOW, 1/2"-90 DEG., 3/8"-18 EXT. (12.4980)									1		
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)	1		1				1			1	
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)	1		1				1		1		
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)				1							
	5120020	FITTING, HOSE 3/4"-16 (12.4085)							1			2	2
	5121825	FITTING, HOSE (3/8"-18)							1				
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5129157 #8X73"											
		# OBSOLETE.											
		12.4095 - CLIP, AIR COMP. WATER TUBE											
2A,C	**5171509**	CLIP (5/8"X3/8" BOLT) (9.1591)			AR			AR		AR	AR	AR	
2A,C	**5151189**	CLIP (3/4") (4.8040)											1
2A,C	**5155464**	BRACKET, CLIP (7.1582)									1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 350	353	356	358	362	364	365	370	375	377	382
		12.4095 - CLIP, AIR COMP. WATER TUBE (CONT'D)											
2A,C	5159393	BRACKET (4.1575)						1				1	
2A,C	5166565	BRACKET, CLIP (9.1591)									1	1	
2A,C	5182993	BRACKET, CLIP			1								
2A,C	5173022	BRACKET, CLIP (5.5379)								1			
2A,C	5114551	TAG, CABLE (7.4545)	AR		AR								
	186676	BOLT, 1/4"-20X5/8" (12.9001)			1								1
	123450	BOLT, 1/4"-28X3/4" (12.9001)											1
	179835	BOLT, 3/8"-16X5/8" (12.9001)								2			
	180120	BOLT, 3/8"-16X3/4" (12.9001)								1	1	1	
	179839	BOLT, 3/8"-16X1" (12.9001)						1			1	1	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)						1					
	181360	BOLT, 3/8"-24X3/4" (12.9001)									1		
	120392	WASHER, 1/4" FLAT (12.9190)			1								1
	120380	LOCKWASHER, 1/4" (12.9200)			1								1
	103321	LOCKWASHER, 3/8" (12.9200)						AR		AR	AR	AR	
	120375	NUT, 1/4"-20 HEX. (12.9120)			1								
	121902	NUT, 1/4"-28 HEX. (12.9120)											1
	102635	NUT, 3/8"-16 HEX. (12.9120)						1		1		1	
	117049	NUT, 3/8"-24 HEX. (12.9120)									1		
		12.4300 - STRAINER, AIR COMPRESSOR											
2A	5110411	STRAINER ASSY.						1					
2A	5110410	+ GASKET						1		1		1	
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)						2					
	103320	LOCKWASHER, 5/16" (12.9200)						2					
		+ FURNISHED WITH AIR COMPRESSOR.											
		12.4375 - TUBE AND ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET											
2A,C	5129153	HOSE, FLEX. (25 1/2" L.) (12.4090)				1							
2A,C	5189769	FLANGE (ELBOW)				1							
2A,C	5186840	CLAMP (12.9660)				2							
	5181801	ELBOW (5.2161)				2							
	179816	BOLT, 5/16"-18X3/4" (12.9001)				2							
	103320	LOCKWASHER, 5/16" (12.9200)				2							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 385	387	389	397	404	405	407	408	417	418	419	420
		12.4001 - COMPRESSOR ASSY., AIR												
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES).												
	NPN	COMPRESSOR (CUSTOMER FURNISHED)										1		1
2A,C	5102066	COMPRESSOR (#285924) (12 CFM)	1			1	1							
2A,C	5144306	* COMPRESSOR (#282404) (24 CFM)		1										
2A,C	5102067	COMPRESSOR (#285923) (12 CFM)			1			1			1		1	
2A,C	5144303	* COMPRESSOR (#282397) (12 CFM)							1					
2A,C	5144300	COMPRESSOR (#282383) (7 1/4" CFM)								1				
	118536	DRAINCOCK, 3/8" (12.9510)			1			1			1		1	
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)						1					1	
	5145014	PLUG, 3/8" PIPE (12.9550)						1					1	
	179858	BOLT, 7/16"-14X1" (12.9001)				4								
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	4				4							
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)						5			5		5	
	138269	BOLT, 7/16"-14X1 3/4" (12.9001)						2			6		2	
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)							4					
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)		4						4				
	103322	LOCKWASHER, 7/16" (12.9200)	AR			AR	AR	AR			AR			
	103323	LOCKWASHER, 1/2" (12.9200)		AR					AR	AR				
	271500	NUT, 7/16"-14 HEX. (12.9120)						6			6		6	
		* USE 5145014 PLUG AND 5145009 PLUG AS REQUIRED.												
		12.4005 - GASKET, AIR COMP. MOUNTING												
2A,C	5104506	GASKET (1.5040)		1						1				
2A,C	5131939	GASKET						1			1		1	
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	5143874	BRACKET	1				1					1		
	5128050	* *BRACKET*			1									
2C	5131126	BRACKET, ADJUSTING (REAR)				1								1
	5108746	BRACKET, ADJUSTING (FRONT)				1								1
2C	5131127	BRACKET, ADJUSTING (INTERMEDIATE)				1								1
	5108424	BRACKET, MOUNTING				1								1
	5131445	BRACKET, ADJUSTING						1			1		1	
	5131446	@ BRACKET, ADJUSTING						1			1		1	
	5143857	BRACKET, SUPPORT	1									1		

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 385	387	389	397	404	405	407	408	417	418	419	420
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)												
	5143873	BRACKET, SUPPORT	1									1		
	5131447	@ PLATE, SUPPORT						1			1		1	
	5128053	# PLATE (LOWER COVER AND MOUNTING)	1		1		1					1		
	5108716	PLATE, SUPPORT				1								1
	5136148	SHIM (.002")						AR					AR	
	5136147	SHIM (.005")						AR					AR	
	5126323	SHIM (.012") (4.4115)						AR					AR	
	5158631	SHIM (.031") (8.1630)				2								2
	5108436	SPACER, 15/32"X15/16"X5/32" (7.1598)				1								
	5160629	SPACER (13/32"X7/32") (4.2270)				6								6
	5122266	GASKET, ADJUSTING BRACKET (7.1597)				1								1
	186676	BOLT, 1/4"-20X5/8" (12.9001)				2								2
	180120	BOLT, 3/8"-16X3/4" (12.9001)				2								2
	179839	BOLT, 3/8"-16X1" (12.9001)	2				2					2		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1								1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2	2		2			2		2	2
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	4									4		
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	2									2		
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2									2		
	5135182	BOLT, 3/8"-24X2 1/4"	1									1		
	186317	BOLT, 3/8"-24X5" (12.9001)				1		1						1
	5131125	BOLT, 3/8"-24X5 3/4"				3								3
	427564	BOLT, 7/16"-14X1/4" (12.9001)						1					1	
	179858	BOLT, 7/16"-14X1" (12.9001)				1								1
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	3		8	2	7	2			2	3	3	2
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	4				4	1			1		5	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)			2									
	454947	BOLT, 7/16"-14X2 1/4" (12.9001)						1			1		1	
	5128076	BOLT, 7/16"-14X4"	1	1	1		1					1		
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)											6	
	186813	BOLT, 3/8"-24X6" (12.9001)						1					1	
	431809	BOLT, 1/2"-13X6" (12.9001)				1								1
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)				1		1					1	1
	453018	BOLT, 1/2"-20X6" (12.9001)									1			
	5130822	WASHER									2			
	103341	WASHER, 3/8" (12.9190)	AR					AR				AR	AR	
	103342	WASHER, 7/16" FLAT (12.9190)	AR		AR		AR					AR		
	5108436	WASHER (15/32"X15/16")												1
	5109949	WASHER, 17/32"X1 3/16" (5.4025)				2		2					2	2
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR				AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR		AR	AR	AR	AR			AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)				AR		AR			AR		AR	AR
	102635	NUT, 3/8"-16 HEX. (12.9120)	2									2		
	117049	NUT, 3/8"-24 HEX. (12.9120)	1			3						1	1	3
	441292	NUT, 7/16"-14 LOCK (12.9120)			1									
	456939	NUT, 7/16"-20 HEX. (12.9120)											6	
	102637	NUT, 1/2"-13 HEX. (12.9120)				2		1					1	2
	120371	NUT, 1/2"-20 HEX. (12.9120)									1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3851	3871	3891	3971	4044	4051	4071	4081	4171	4181	4191	4201
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)												
		* NOT SERVICED; REPLACE WITH 5138478 BRACKET AND INCLUDE 1-5137905 BELT.												
		@ NOT SERVICED; USE 1-5144155 BRACKET AND 1-5144156 PLATE TO ASSURE INTERCHANGEABILITY.												
		# NOT SERVICED; REPLACE WITH 5132285 PLATE AND INCLUDE 1-5128050 BRACKET, 1-5128076 BOLT, 1-441292 NUT AND 1-103342 WASHER.												
		12.4015 - PULLEY, AIR COMPRESSOR												
2B,D	**5133616**	PULLEY (2 GROOVES, 5" DIA.)						1			1		1	
2B,D	**5120588**	PULLEY (2 GROOVES, 5.25" DIA.)				1								1
2B,D	**5177009**	PULLEY (2 GROOVES, 6.25" DIA.)	1				1					1		
2B,D	**5117740**	PULLEY (1 GROOVE, 7.50" DIA.)			1									
	103385	PIN, 1/8"X1" COTTER (12.9250)	1		1		1							
		12.4017 - PULLEY, AIR COMP. DRIVE												
2B,D	**5133615**	PULLEY (2 GROOVES, 5" DIA.)						1			1		1	
2B,D	**5168696**	PULLEY (5.54" DIA.) (1.7605)				1								1
2B,D	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)				1		1			1			1
2B,D	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9140)				1		1			1			1
		12.4020 - ADAPTOR, AIR COMPRESSOR												
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.												
	5143537	ADAPTOR							1					
2B,D	**5131402**	RETAINER ASSY. (1.7645)				1		1			1		1	1
	138291	SCREW, 1/2"-13X1 1/4" (12.9027)							4					
2B,D	**179857**	BOLT, 7/16"-14X7/8" (12.9001)				1								1
2B,D	**179858**	BOLT, 7/16"-14X1" (12.9001)						1			1		1	
2B,D	**179882**	BOLT, 1/2"-13X1 3/8" (12.9001)				4		4			4		4	4
	5150568	WASHER, 7/16" COPPER (2.4050)									1			
2B	**5125108**	WASHER, 7/16" (2.4030)											1	
2B	**103322**	LOCKWASHER, 7/16" (12.9200)				1								1
2B	**103323**	LOCKWASHER, 1/2" (12.9200)				4		4			4		4	4
		12.4025 - GASKET, AIR COMP. ADAPTOR												
2A,B	**5117061**	GASKET (1.5040)				1		1	1		1		1	1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3855	3887	3899	3997	4044	4005	4077	4088	4177	4188	4199	4200
		12.4037 - PLATE, AIR COMP. DRIVE												
2A,B	5170450	PLATE, STEEL (1.7630)		1		1		1	1	1	1		1	1
2A,B	5122922	RETAINER (1.7207)							2					
2A,B	5145092	BOLT, 3/8"-24X1.20" LOCK (12.5015)		4		4		4		4	4		4	4
2A,B	5125493	BOLT, 3/8"-24X1.44"							4					
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
2A,C	5144866	HUB		1					1	1				
	103375	*PIN, 3/32"X1 1/4" COTTER (12.9250)*		1					1	1				
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
2D	5126763	BELT SET (2 BELTS, 40.00"L.) (1.3320)						1			1		1	
2D	5168863	BELT SET (2 BELTS, 40.69"L.) (7.1575)				1								1
2D	5134212	BELT SET (2 BELTS, 48.00"L.) (1.3320)	1				1					1		
2D	5145730	BELT (.785"X48.00"L.)			1									
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE												
2B	5131130	SHAFT (1.7640)				1		1			1		1	1
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT												
2B	907191	BEARING (M.D. 5206W) (1.7655)				1		1			1		1	1
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
2A,C	5141773	COUPLING		1						1				
2A,C	2394275	COUPLING							1					
		12.4051 - SEAL, AIR COMPRESSOR DRIVE												
2B	5131329	SEAL (1.7660)				1		1			1		1	1
	5131131	SPACER, SEAL (1.7665)				1		1			1		1	1
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING												
2B	5155783	RING, LOCK (2 9/16" DIA.) (1.7650)				1		1			1		1	1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3851	3871	3891	3971	4044	4051	4071	4081	4171	4181	4191	4200
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
2A,C	**2289944**	HOSE, FLEX. (10 1/2"L.) (7.4074)			1									
	5109271	HOSE, FLEX. (13 3/4" L.)					1							
2A,C	**2308332**	HOSE, FLEX. (24" L.)		1										
2A,C	**5131146**	HOSE, FLEX. (25" L.)							1	1				
2A,C	**5136052**	HOSE, FLEX. (31" L.)	1											
2A,C	**5126692**	HOSE, FLEX. (32" L.)						1					1	
2A,C	**5131140**	HOSE, FLEX. (36" L.)									1			
2A,C	**2327515**	+ HOSE, FLEX. (42 1/2" L.)				1								1
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)		1										1
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)	1		1									
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)									1			
	116453	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)	1		1		1	1	1	1	1		1	
	9432337	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)	1											
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)				1		1	1	1				1
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)											1	
	116436	CONNECTOR, 1/4" FL. TUBE (12.9380)				1								
	118750	CONNECTOR, 3/8" FL. TUBE (12.9380)											1	
	444148	TEE, 1/4" PIPE (12.9616)		1		1								
	5129184	TEE, 1/4" PIPE (2.5149)											1	
	5145009	PLUG, 1/8" PIPE (12.9550)			2									2
	5121182	PLUG, 1/4" PIPE (12.9550)		1		1								1
	5182120	NIPPLE (1/8"X.76") (7.4074)			1									
	105418	CROSS (4 WAY, 1/8" P.T.)			1									
		+ OBSOLETE.												
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
2D	**5113483**	* HOSE, FLEX. (9" L.)						1						
2D	**5128829**	* HOSE, FLEX. (11 1/2" 6.) (5.7090)											1	
2D	**5131358**	HOSE, FLEX. (12"L.) (3.5505)			1									
2D	**5126694**	HOSE, FLEX. (15" L.)	1				1							
2D	**5108860**	* HOSE, FLEX. (38" L.)												1
2D	**5115729**	* HOSE, FLEX. (42" L.)				1					1			
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)	1											
	137894	ELBOW, 1/2"-90 DEG. STREET (12.9590)	1				1	1					1	1
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)			1	1		1			1			1
	116487	CONNECTOR, 5/8" TUBE (12.9380)	1				1							
	137410	CONNECTOR, 5/8" FL. TUBE (12.9460)											1	
	5113215	FITTING, HOSE (1/2"-14) (12.6692)				1		1			1		1	1
	5113192	FITTING, SWIVEL (7/8"-14 INT.) (12.6689)				1		1			1			1
	5132237	FITTING, HOSE (7/8"-18) (2.6005)											1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 385	387	389	397	404	405	407	408	417	418	419	420
	12.4070	**- TUBE, AIR COMPRESSOR LUBE OIL DRAIN (CONT'D)**												
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)	1				1							
		* NOT SERVICED, USE STANDARD LENGTH HOSE 5135293 #10X74".												
	12.4080	**- CLIP, AIR COMPRESSOR LUBE OIL TUBE**												
2A,C	**5161873**	CLIP, 7/16" (7.4412)				AR								AR
2A,C	**5153473**	CLIP, 1/2" (4.6040)	2	1				1	1	1				
2A,C	**5151189**	CLIP, 3/4" (4.8040)											1	
2A,C	**5177001**	CLIP, 7/8" (8.3801)											1	
2A,C	**5157702**	CLIP, 1" (4.8040)									1			
2A,C	**5126358**	SUPPORT, CLIP (4.6040)											1	
2A,C	**5108612**	SUPPORT, CLIP (4.4345)											1	
2A,C	**5160629**	SPACER (13/32"X7/32") (4.2270)						1	1	1				
2A,C	**5159347**	SPACER (3/4"X1/2") (7.1581)									1			
2A,C	**5157412**	SPACER (7/8"X1/4") (7.4013)											1	
2A,C	**5114551**	TAG, CABLE (7.4545)												1
	179816	BOLT, 5/16"-18X3/4" (12.9001)								1				
	180121	BOLT, 3/8"-16X7/8" (12.9001)	2			1								1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)									1		1	
	181361	BOLT, 3/8"-24X7/8" (12.9001)											1	
	186627	BOLT, 3/8"-24X1" (12.9001)											1	
	188146	BOLT, 3/8"-24X4 5/8" (12.9001)								1				
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)											1	
	103341	WASHER, 3/8" FLAT (12.9190)	AR										AR	
	103320	LOCKWASHER, 5/16" (12.9200)								1				
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR						AR		AR	AR
	120376	NUT, 5/16"-18 HEX. (12.9120)								1				
	117049	NUT, 3/8"-24 HEX. (12.9120)											2	
	12.4085	**- TUBE, AIR COMPRESSOR WATER INLET**												
2A,C	**5129157**	* HOSE, FLEX. (10"L.) (JUMPER LINE)			1									
2A,C	**5188017**	HOSE, FLEX. (12"L.) (12.9490)			1									
2A,C	**5129157**	* HOSE, FLEX. (19"L.)							1					
2A,C	**5129157**	* HOSE, FLEX. (24 1/2"L.)	1											
2A,C	**5129157**	* HOSE, FLEX. (30 1/2"L.)				1								1
2A,C	**5129157**	* HOSE, FLEX. (33 3/4"L.)									1			
2A,C	**5129157**	* HOSE, FLEX. (41"L.)		1										
2A,C	**5123317**	HOSE, FLEX. (42 1/4"L.) (4.4330)						1		1			1	
2A,C	**5131492**	HOSE, FLEX. (60"L.)					1							
2A,C	**118757**	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)	1		1		1	1		1			1	
	143340	ELBOW, 1/2"-45 INV. FL. TUBE (12.9480)		1										

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3855	3857	3859	3897	4044	4045	4077	4088	4177	4188	4199	4200
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
	5130294	ELBOW (1/2"-45 DEG.)							1					
	137425	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)		1										
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)									1		1	
	118752	CONNECTOR, 1/2" TUBE (12.9380)	1			1	1							1
	5121825	FITTING, HOSE (3/8"-18)						1	1		1			1
	5173854	FITTING, HOSE (3/4"-18)		2										
	5120020	FITTING, HOSE (3/4"-16)			2			1	1	2	1			1
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)	1	1									1	
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)	1				1							
	120280	TEE, 3/8" PIPE (12.9616)	1				1							
	444258	TEE, 3/8" PIPE (12.9490)			1									
	444136	TEE, 3/8" PIPE (12.9616)				1		1	1		1		1	1
	118536	DRAINCOCK, 3/8" (12.9510)	1	1	1									
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
2A,C	5129157	* HOSE, FLEX. (10"L.)		1	1									
2A,C	5188017	HOSE, FLEX. (12"L.) (12.9490)	1				1							
2A,C	5129157	* HOSE, FLEX. (29"L.)						1					1	
2A,C	5129157	* HOSE, FLEX. (38"L.)									1			
2A,C	5123317	HOSE, FLEX. (42 1/4"L.) (4.4330)							1					
2A,C	5129157	* HOSE, FLEX. (47"L.)		1										
2A,C	5123318	HOSE, FLEX. (47"L.)				1								1
2A,C	5123319	HOSE, FLEX. (51 3/4"L.)								1				
	120702	ELBOW, 3/8"-45 DEG. STREET (12.9490)									1			
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)	1		1		1							
2C	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)		2										
	143340	ELBOW, 1/2"-45 DEG. INV. FL. TUBE (12.9480)		1										
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	1		1	1	1	1		2			1	1
	137425	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)		2										
2C	2325715	ELBOW, 1/2"-90 DEG. TUBE (3.5505)							1	1	1			1
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)							1					
	5121825	FITTING, HOSE (3/8"-18)		1	1			1			1		1	
	5173854	FITTING, HOSE (3/4"-18)		3										
	5120020	FITTING, HOSE (3/4"-16)			1			1	1		1		1	
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)		1										
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)	1		1		1	1					1	
		* STANDARD LENGTH HOSE; CUT TO												

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3855	3877	3899	3977	4044	4055	4077	4088	4177	4188	4199	4200
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)												
		LENGTH SHOWN.												
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
2A,C	5171509	CLIP (5/8"X3/4" BOLT) (9.1591)		AR		AR				AR				AR
2A,C	5151189	CLIP, 3/4" (4.8040)		3		3		3			3		1	
2A,C	5173022	CLIP (5.5379)							1					
2A,C	5153473	CLIP, 1/2" (4.6040)									1			
2A,C	5155464	BRACKET (7.1582)		1										
2A,C	5166565	BRACKET, CLIP (9.1591)		1		1								1
2A,C	5126358	BRACKET (4.6040)						1						
2A,C	5179861	BRACKET (7.3245)									1			
2A,C	5182993	BRACKET, CLIP (7.4525)									1			
2A,C	5114551	TAG, CABLE (7.4545)				AR		AR	AR				AR	AR
2A,C	5160629	SPACER (13/32"X7/32") (4.2270)				1								
2A,C	5164294	SPACER (13/32"X7/8") (7.1581)									1			
	123450	BOLT, 1/4"-28X3/4" (12.9001)									1			
	186618	BOLT, 5/16"-18X5/8" (12.9001)							1					
	179835	BOLT, 3/8"-16X5/8" (12.9001)								2				
	180120	BOLT, 3/8"-16X3/4" (12.9001)		2		2			2	2				2
	179839	BOLT, 3/8"-16X1" (12.9001)		3		3								
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)												1
	186318	BOLT, 3/8"-16X5 1/4" (12.9001)									1			
	181360	BOLT, 3/8"-24X3/4" (12.9001)		1				1						
	186312	BOLT, 3/8"-24X4" (12.9001)				1								1
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)									1			
	120392	WASHER, 1/4" FLAT (12.9190)									1			
	103319	LOCKWASHER, 1/4" (12.9200)									1			
	103320	LOCKWASHER, 5/16" (12.9200)							1					
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR		AR	AR	AR				AR
	121902	NUT, 1/4"-28 HEX. (12.9120)									1			
	120376	NUT, 5/16"-18 HEX. (12.9120)							1					
	102635	NUT, 3/8"-16 HEX. (12.9120)		1		1								1
	117049	NUT, 3/8"-24 HEX. (12.9120)		1				1						
	456939	NUT, 7/16"-20 HEX. (12.9120)									1			
		12.4300 - STRAINER, AIR COMPRESSOR												
2A	5110411	STRAINER ASSY.						1	1	1	1		1	
2A	5110410	+ GASKET			1	1	1	1	1	1	1		1	
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)						2	2	2	2		2	
	103320	LOCKWASHER, 5/16" (12.9200)						2	2	2	2		2	
		+ FURNISHED WITH AIR COMPRESSOR.												
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET												
2A,C	5121773	TUBE (DEV. L. 7 7/8")				1								1
2A,C	5123457	TUBE (DEV. L. 11 3/16")				1								1
2A,C	5124994	TUBE (DEV. L. 11 1/2")				1								1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 385	387	389	397	404	405	407	408	417	418	419	420
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET (CONT'D)												
2A,C	**5117747**	HOSE, FLEX. (8 1/8"L.)			1									
2A,C	**5129440**	* HOSE, FLEX. (18"L.)				1								1
2A,C	**5129153**	HOSE, FLEX. (25 1/2"L.)	1				1							
	5189769	FLANGE (ELBOW)	1		1		1							
	5186840	CLAMP (12.9660)	2		2	2	2							
	5181801	ELBOW (5.2161)	2		2		2							
	138232	SCREW, 5/16"-24X1" SKT. HD. (12.9027)				1								1
	114931	BOLT, 5/16"-18X11/16" (12.9001)				2								2
	179816	BOLT, 5/16"-18X3/4" (12.9001)	2		2		2							
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)				2								2
	120393	WASHER, 5/16" FLAT (12.9190)				2								2
	103320	LOCKWASHER, 5/16" (12.9200)	2		2	5	2							5
	214279	NUT, 5/16"-24 HEX. (12.9120)				1								1
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5138542 #12X73".												
		12.4380 - GASKET, AIR BOOSTER INLET TUBE ELBOW TO AIR COMPRESSOR												
2A,C	**5180273**	GASKET (4.1520)				1								1
2A,C	**5150144**	GASKET (2.9012)				2								2

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4211	4216	4227	4331	4332	4440	4441	4443	4444	4445	4511
		12.4001 - COMPRESSOR ASSY., AIR											
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES).											
	NPN	COMPRESSOR (CUSTOMER FURNISHED)		1									
2A,C	5102066	COMPRESSOR (#285924) (12 CFM)	1										
2A,C	5131823	COMPRESSOR (#277624) (12 CFM)				1	1		1	1		1	1
2A,C	5144303	* COMPRESSOR (#282397) (12 CFM)						1					
2A,C	5144301	+ COMPRESSOR (#N-5504-A) (7 1/4 CFM) (5106139)			1								
2A,C	5144302	* COMPRESSOR (#282389) (12 CFM)									1		
	118536	DRAINCOCK, 3/8" (12.9510)				1				1		1	1
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)				1				1			
	5145014	PLUG, 3/8" PIPE (12.9550)				1				1			
	179858	BOLT, 7/16"-14X1" (12.9001)							6				
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	4				6						
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)				5				5		5	5
	138269	BOLT, 7/16"-14X1 3/4" (12.9001)				6				2		2	2
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)			4			4			4		
	103322	LOCKWASHER, 7/16" (12.9200)	AR			AR	AR		AR	AR		AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)			AR			AR			AR		
	271500	NUT, 7/16"-14 HEX. (12.9120)				6				6		6	6
		* USE 5145014 PLUG AND 5145009 PLUG AS REQUIRED.											
		+ NOT SERVICED, USE NUMBER SHOWN IN PARENTHESES.											
		12.4005 - GASKET, AIR COMP. MOUNTING											
2A,C	5104506	GASKET (1.5040)			1			1					
2A,C	5131939	GASKET				1	1		1	1		1	1
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING											
	5143874	BRACKET	1										
2D	5131126	BRACKET, ADJUSTING (REAR)	1										
	5108746	BRACKET, ADJUSTING (FRONT)	1										
2D	5131127	BRACKET, ADJUSTING (INTERMEDIATE)	1										
	5108424	BRACKET, MOUNTING	1										
	5131445	BRACKET, ADJUSTING				1				1		1	1
	5131446	* BRACKET, ADJUSTING				1				1		1	1
	5143857	BRACKET, SUPPORT	1										
	5143873	BRACKET, SUPPORT	1										
2D	5123613	BRACKET, ADJUSTING					2		2				

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4211	4216	4227	4231	4232	4240	4241	4243	4244	4245	4251
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)											
	5131447	* PLATE, SUPPORT				1				1		1	1
	5128053	@ PLATE (LOWER COVER AND MOUNTING)	1										
	5108716	PLATE, SUPPORT		1									
	5131139	SUPPORT (6 HOLE)					1		1				
	5136148	SHIM (.002")				AR				AR		AR	AR
	5136147	SHIM (.005")				AR				AR		AR	AR
	5126323	SHIM (.012") (4.4115)				AR				AR		AR	AR
	5158631	SHIM (.031") (8.1630)		2									
	5160629	SPACER (13/32"X7/32") (4.2270)		6									
	5122266	GASKET, ADJUSTING BRACKET (7.1597)		1									
	186676	BOLT, 1/4"-20X5/8" (12.9001)		2									
	180120	BOLT, 3/8"-16X3/4" (12.9001)		2									
	179839	BOLT, 3/8"-16X1" (12.9001)	2										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1			1		1				
	186679	BOLT, 3/8 -16X1 1/4 (12.9001)		2						2		2	2
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	4										
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	2										
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2										
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)					1		1				
	5135182	BOLT, 3/8"-24X2 1/4"	1										
	186317	BOLT, 3/8"-24X5" (12.9001)		1		1				1	1		
	5131125	BOLT, 3/8"-24X5 3/4"		3			2		2				
	427564	BOLT, 7/16"-14X1/4" (12.9001)				1				1		1	1
	179858	BOLT, 7/16"-14X1" (12.9001)		1			6						
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	7	2		2				2		2	2
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	4							1		1	
	454947	BOLT, 7/16"-14X2 1/4" (12.9001)				1				1		1	1
	5128076	BOLT, 7/16"-14X4"	1										
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)				6							
	186813	BOLT, 3/8"-24X6" (12.9001)								1		1	
	215666	BOLT, 7/16"-20X5 3/4" (12.9001)					2		2				
	431809	BOLT, 1/2"-13X6" (12.9001)		1									
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)		1		1				1		1	1
	5164360	WASHER (6.1001)					2		2				
	103341	WASHER, 3/8" (12.9190)	AR			AR				AR		AR	AR
	103342	WASHER, 7/16" FLAT (12.9190)	AR										
	5108436	WASHER (15/32"X15/16")		1									
	5109949	WASHER, 17/32"X1 3/16" (5.4025)		2		2				2		2	2
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR						AR		AR	
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR		AR	AR		AR	AR		AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)		AR		AR				AR		AR	AR
	117062	NUT, 3/8"-16 HEX. (12.9120)	2										
	117049	NUT, 3/8"-24 HEX. (12.9120)	1	3			2		2				
	121932	NUT, 3/8"-24 HEX. (12.9120)								1		1	
	456939	NUT, 7/16"-20 HEX. (12.9120)				6	2		2				
	102637	NUT, 1/2"-13 HEX. (12.9120)		2						1		1	1
	120371	NUT, 1/2"-20 HEX. (12.9120)				1							

* NOT SERVICED; USE 1-5144155

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 421	426	427	431	432	440	441	443	444	445	451
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING *(CONT'D)*											
		BRACKET AND 1-5144156 PLATE TO ASSURE INTERCHANGEABILITY. @ NOT SERVICED; REPLACE WITH 5132285 PLATE AND INCLUDE 1-5128050 BRACKET, 1-5128076 BOLT, 1-441292 NUT AND 1-103342 WASHER.											
		12.4015 - PULLEY, AIR COMPRESSOR											
2B,D	**5133616**	PULLEY (2 GROOVES, 5" DIA.)				1				1		1	1
2B,D	**5120588**	PULLEY (2 GROOVES, 5.25" DIA.)		1									
2B,D	**5177009**	PULLEY (2 GROOVES, 6.25" DIA.)	1										
2B,D	**5162966**	PULLEY (2 GROOVES, 6.25" DIA.)					1		1				
	103385	PIN, 1/8"X1" COTTER (12.9250)	1							1			
		12.4017 - PULLEY, AIR COMP. DRIVE											
2B,D	**5133615**	PULLEY (2 GROOVES, 5" DIA.)				1				1		1	1
2B,D	**5168696**	PULLEY (5.54" DIA.) (1.7605)		1									
2B,D	**5177236**	PULLEY (2 GROOVES, 6.25" DIA.)					1		1				
2B,D	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1		1	1		1	1		1	1
2B,D	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9140)		1		1	1		1	1		1	1
		12.4020 - ADAPTOR, AIR COMPRESSOR											
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.											
2B,D	**5131402**	RETAINER ASSY. (1.7645)		1		1	1		1	1		1	1
2B,D	**179857**	BOLT, 7/16"-14X7/8" (12.9001)		1									
2B,D	**179858**	BOLT, 7/16"-14X1" (12.9001)				1	1		1	1		1	1
2B,D	**179882**	BOLT, 1/2"-13X1 3/8" (12.9001)		4		4	4		4	4		4	4
	5150568	WASHER, 7/16" COPPER (2.4050)				1	1					1	1
2B	**5125108**	WASHER, 7/16" (2.4030)				1			1	1		1	1
2B	**103323**	LOCKWASHER, 1/2" (12.9200)		4		4	4			4		4	4
		12.4025 - GASKET, AIR COMP. ADAPTOR											
2B	**5117061**	GASKET (1.5040)		1		1	1				1		
		12.4037 - PLATE, AIR COMP. DRIVE											
2B	**5170450**	PLATE, STEEL (1.7630)		1	1	1	1	1	1	1	1	1	1
2B	**5145092**	BOLT, 3/8"-24X1.20" LOCK (12.5015)		4	4	4	4	4	4	4	4	4	4

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4211	4216	4227	4231	4232	4240	4411	4413	4444	4445	4511
		12.4040 - HUB, AIR COMPRESSOR DRIVE											
2A,C	5144866	HUB			1			1			1		
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)			1			1			1		
		12.4045 - BELT, AIR COMPRESSOR DRIVE											
2D	5126763	BELT SET (2 BELTS, 40.00"L.) (1.3320)				1				1		1	1
2D	5168863	BELT SET (2 BELTS, 40.69"L.) (7.1575)		1									
2D	5172384	BELT SET (2 BELTS, 47.00"L.) (1.3320)					1		1				
2D	5134212	BELT SET (2 BELTS, 48.00"L.) (1.3320)	1										
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE											
2B	5131130	SHAFT (1.7640)		1		1	1		1	1		1	1
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT											
2B	907191	BEARING (N.D. 5206W) (1.7655)		1		1	1		1	1		1	1
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE											
2A,C	5141773	COUPLING			1						1		
		12.4051 - SEAL, AIR COMPRESSOR DRIVE											
2B	5131329	SEAL (1.7660)		1		1	1		1	1		1	1
	5131131	SPACER, SEAL (1.7665)		1		1	1		1	1		1	1
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING											
2B	5155783	RING, LOCK (2 9/16" DIA.) (1.7650)		1		1	1						
2B	9415285	RING, LOCK (2.7470)							1	1		1	1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY											
2A,C	5109926	HOSE, FLEX. (25" L.)			1								
2A,C	5131146	HOSE, FLEX. (25" L.)						1					
	5126693	HOSE, FLEX. (29" L.)									1		
	5136052	HOSE, FLEX. (31" L.)	1										

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4211	4216	4227	4316	4332	4401	4411	4433	4444	4455	4511
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)											
2A,C	**5126692**	HOSE, FLEX. (32" L.)	1				1		1				1
2A,C	**5131140**	HOSE, FLEX. (36" L.)				1				1		1	
2A,C	**2327515**	+ HOSE, FLEX. (42 1/2" L.)		1									
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)		1									
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)	1										
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)			1	1				1		1	
	119113	ELBOW, 1/4"-45 DEG. STREET (12.9590)					1						
	116453	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)	1		1	1		1	1	1	1	1	1
	143342	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)	1										
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)		1			1	1	1		1		1
	116436	*CONNECTOR, 1/4" FL. TUBE (12.9380)*					1						
	5145009	PLUG, 1/8" PIPE (12.9550)		1									
	5145010	PLUG, 1/4" PIPE (12.9550)		1									
		+ OBSOLETE.											
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN											
2D	**5113483**	* HOSE, FLEX. (9" L.)				1							1
2D	**5126694**	HOSE, FLEX. (15" L.)					1						
2D	**5109830**	HOSE, FLEX. (19 7/8" L.)	1										
2D	**5189471**	* HOSE, FLEX. (26" L.) (5.7090)							1				
2D	**5189496**	* HOSE, FLEX. (36" L.) (5.7090)		1									
2D	**5108860**	* HOSE, FLEX. (38" L.)										1	
2D	**5115729**	* HOSE, FLEX. (42" L.)								1			
	137894	ELBOW, 1/2"-90 DEG. STREET (12.9590)	1	1		1							1
	108686	ELBOW, 5/8"-45 DEG. STREET (12.9510)							1				
	9402801	ELBOW, 5/8"-45 DEG. FL. TUBE (12.9600)							1				
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)		1		1	1			1		1	
	116487	CONNECTOR, 5/8" TUBE (12.9380)	1										
	5113215	FITTING, HOSE (1/2"-14) (12.6692)		1		1			1	1		1	1
	5113192	FITTING, SWIVEL (7/8"-14 INT.) (12.6689)		1		1			1	1		1	1
		* NOT SERVICED, USE STANDARD LENGTH HOSE 5135293 #10X74".											
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE											
2A,C	**5161873**	CLIP, 7/16" (7.4412)		2							AR		
2A,C	**5153473**	CLIP, 1/2" (4.6040)	2			1				1			1
2A,C	**5151189**	CLIP, 3/4" (4.8040)				1				1			

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 421	426	427	431	432	440	441	443	444	445	451
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE (CONT'D)											
2A,C	**5157702**	CLIP, 1" (4.8040)		1						1		1	
2A,C	**5160629**	SPACER (13/32"X7/32") (4.2270)				1				1	1		1
2A,C	**5177469**	SPACER, 13/32"X1 3/16" (7.1585)								1			
2A,C	**5159347**	SPACER (3/4"X1/2") (7.1581)		1								1	
2A,C	**5114551**	TAG, CABLE (7.4545)		1									
	180121	BOLT, 3/8"-16X7/8" (12.9001)	3										
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		1						1		1	
	103341	WASHER, 3/8" FLAT (12.9190)	AR										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR						AR		AR	
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET											
2A,C	**5188017**	HOSE, FLEX. (12"L.) (12.9490)	1										
2A,C	**5129157**	* HOSE, FLEX. (16 7/8"L.)			1			1					
2A,C	**5129157**	* HOSE, FLEX. (24 1/2" L.)					1		1				
2A,C	**5129157**	* HOSE, FLEX. (30 1/2" L.)		1									
2A,C	**5129157**	* HOSE, FLEX. (33 3/4"L.)										1	
2A,C	**5129157**	* HOSE, FLEX. (38"L.)				1				1		1	
2A,C	**5123317**	HOSE, FLEX. (42 1/4"L.) (4.4330)									1		
2A,C	**5123318**	HOSE, FLEX. (47"L.) (4.4330)									1		
2A,C	**5124769**	* HOSE, FLEX. (49 1/2"L.) (8.3830)											1
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)	1										
	5130294	ELBOW (1/2"-45 DEG.)	1										
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)				1	1	1	1	1		1	2
	9402839	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)			1								
	118752	CONNECTOR, 1/2" TUBE (12.9380)		1									
	5121825	FITTING, HOSE (3/8"-18)		1	1	1	1		1	2		2	
	5120020	FITTING, HOSE (3/4"-16)		1	1	1	1	1	1	2		2	2
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)						1					
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)									1		
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)	1										
	120280	TEE, 3/8" PIPE (12.9616)	1										
	444258	TEE, 3/8" PIPE (12.9490)											1
	444136	TEE, 3/8" PIPE (12.9616)		1	1	1	1	1	1	1		1	
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET											
2A,C	**5129157**	* HOSE, FLEX. (16 7/8"L.)			1								
2A,C	**5129157**	* HOSE, FLEX. (19"L.)						1					
2A,C	**5129157**	* HOSE, FLEX. (36 1/2"L.)				1				1			1
2A,C	**5129157**	* HOSE, FLEX. (41"L.) (8.3830)		1			1		1				
	444056	ELBOW, 3/8"-45 DEG. STREET (12.9590)										1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 421	426	427	431	432	440	441	443	444	445	451
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)											
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)	1										
	5130294	ELBOW (1/2"-45 DEG.)									1		
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	1	1		1	1		1		2		1
2C	2325715	ELBOW, 1/2"-90 DEG. TUBE (3.5505)		1		1	1		1	1	1	1	1
	9402839	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)			1								
	109429	ELBOW, 1/2"-90 DEG. FLARED (3.5505)											1
	5121825	FITTING, HOSE (3/8"-18)			1			1					
	5120020	FITTING, HOSE (3/4"-16)			1			1					
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)	1		1								
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)	1										
	120062	BUSHING, 1"X1/2" RED. PIPE (12.9570)					1						
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE											
2A,C	5171509	CLIP (5/8"X3/4" BOLT) (9.1591)		2		AR		AR		AR		AR	
2A,C	5151189	CLIP, 3/4" (4.8040)				3				3	2	4	2
2A,C	5173022	CLIP (5.5379)									1		
2A,C	5153473	CLIP, 1/2" (4.6040)						1				1	
2A,C	5151108	CLIP, 1/2" (12.4095)			1						1		
2A,C	3223197	CLIP, STRAIGHT (7.4545)			1								
2A,C	5155464	BRACKET (7.1582)											1
2A,C	5166565	BRACKET, CLIP (9.1591)		1						1		1	
2A,C	5182993	BRACKET, CLIP (7.4525)					1		1				
2A,C	5159393	BRACKET (4.1575)		AR					AR			1	
2A,C	5114551	TAG, CABLE (7.4545)											
2A,C	5164294	SPACER (13/32"X7/8") (7.1581)				1				1		1	1
	132273	BOLT, 1/4"-20X1" (12.9001)								1		1	
	123450	BOLT, 1/4"-28X3/4" (12.9001)		1			3		1		1		
	180120	BOLT, 3/8"-16X3/4" (12.9001)		1						1		1	
	179839	BOLT, 3/8"-16X1" (12.9001)									1		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		1						1			
	186318	BOLT, 3/8"-16X5 1/4" (12.9001)										1	
	181360	BOLT, 3/8"-24X3/4" (12.9001)											1
	186312	BOLT, 3/8"-24X4" (12.9001)		1									
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)										1	
	120392	WASHER, 1/4" FLAT (12.9190)				1				1		1	1
	120393	WASHER, 11/32" FLAT (12.9190)								1		1	
	103341	WASHER, 3/8" (12.9190)									1		
	103319	LOCKWASHER, 1/4" (12.9200)								1		2	
	103321	LOCKWASHER, 3/8" (12.9200)		AR			AR		AR		AR		AR
	121902	NUT, 1/4"-28 HEX. (12.9120)								1		1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4211	4216	4271	4331	4332	4440	4441	4443	4444	4445	4511
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE (CONT'D)											
	102635	NUT, 3/8"-16 HEX. (12.9120)		1			1		1		1		
	117049	NUT, 3/8"-24 HEX. (12.9120)											1
	456939	NUT, 7/16"-20 HEX. (12.9120)										1	
		12.4300 - STRAINER, AIR COMPRESSOR											
2A	5110411	STRAINER ASSY.			1	1	1	1	1	1	1	1	1
2A	5110410	+ GASKET			1	1	1	1	1	1	1	1	1
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)			2	2	2	2	2	2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)			2	2	2	2	2	2	2	2	2
		+ FURNISHED WITH AIR COMPRESSOR.											
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET											
2A,C	5121773	TUBE (DEV. L. 7 7/8")		1									
2A,C	5123457	TUBE (DEV. L. 11 3/16")		1									
2A,C	5124994	TUBE (DEV. L. 11 1/2")		1									
2A,C	5126727	* HOSE, FLEX. (12"L.)		1									
2A,C	5129153	HOSE, FLEX. (25 1/2"L.)	1										
2A,C	5189769	FLANGE (ELBOW)	1										
2A,C	5186840	CLAMP (12.9660)	2	2									
	5181801	ELBOW (5.2161)	2										
	138232	SCREW, 5/16"-24X1" SKT. HD. (12.9027)		1									
	114931	BOLT, 5/16"-18X11/16" (12.9001)		2									
	179816	BOLT, 5/16"-18X3/4" (12.9001)	2										
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)		2									
	120393	WASHER, 5/16" FLAT (12.9190)		2									
	103320	LOCKWASHER, 5/16" (12.9200)	2	5									
		12.4380 - GASKET, AIR BOOSTER INLET TUBE ELBOW TO AIR COMPRESSOR											
2A,C	5180273	GASKET (4.1520)		1									
2A,C	5150144	GASKET (2.9012)		2									

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 452	455	457	458	460	461	464	465	469	470	472	474
		12.4001 - COMPRESSOR ASSY., AIR												
		* FOR TYPE 456 USE TYPE 455.* NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES).												
	NPN	COMPRESSOR (CUSTOMER FURNISHED)									1			
2A,C	5144302	* COMPRESSOR (#282389) (12 CFM)	1		1			1						
2A,C	5102067	COMPRESSOR (#285923) (12 CFM)					2			1				
2A,C	5144306	* COMPRESSOR (#282404) (24 CFM)							1					
2A,C	5106138	COMPRESSOR (#N-5309-A) (7 1/4 CFM)										1		
2A,C	5144303	* COMPRESSOR (FOR MOUNTING ON LEFT BANK) (#282397) (12 CFM)											1	
	5100167	STUD, 1/2"-13X1 7/8" (12.9117)											1	
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)			1			1						
	118536	DRAINCOCK, 3/8" (12.9510)					1			1		1		
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)					4			4				
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	4		4			4	4				2	
	103322	LOCKWASHER, 7/16" (12.9200)					4			4				
	103323	LOCKWASHER, 1/2" (12.9200)	4		4			4	4				4	
	103028	NUT, 1/2"-20 HEX. (12.9120)											2	
		* USE 5145014 PLUG AND 5145009 PLUG AS REQUIRED.												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
2A,C	5104506	GASKET (1.5040)	1						1					
2A,C	5131939	GASKET		1										
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	5131090	BRACKET, SUPPORT		1										
	5135411	BRACKET AND TUBE ASSY. (7.1595)		1										
	5108746	BRACKET, ADJUSTING (FRONT)			1									
	5108424	BRACKET, ADJUSTING			1									
	5131446	* BRACKET, ADJUSTING				1					1			1
	5131445	BRACKET, ADJUSTING				1					1			1
	5128050	@ BRACKET, ADJUSTING					1			1		1		
	5123614	# BRACKET, ADJUSTING					1							
2D	5123613	BRACKET, ADJUSTING					2							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4522	4555	4557	4558	4560	4561	4564	4565	4569	4570	4572	4574
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)												
	5131447	PLATE SUPPORT									1			1
	5131121	PLATE, SUPPORT		1										
	5145417	PLATE (LOWER COVER AND MOUNTING)					1			1		1		
	5131163	SUPPORT (6 HOLE)		1										
	5122266	GASKET, ADJUSTING BRACKET (7.1597)		1										
	5136148	SHIM (.002")				AR					AR			AR
	5136147	SHIM (.005")				AR					AR			AR
	5126323	SHIM (.012") (4.4115)				AR					AR			AR
	213546	BOLT, 1/4"-20X1" (12.9001)		2										
	180121	BOLT, 3/8"-16X7/8" (12.9001)		2										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2			2			2		2		
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)					1							
	186813	BOLT, 3/8"-24X6" (12.9001)		1		1					1			
	5126695	BOLT, 3/8"-24X5 1/2" (12.4001)					2							
	5131478	BOLT, 3/8"-24X6" (12.4010)		2								2		
	179858	BOLT, 7/16"-14X1" (12.9001)					3							
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		2						1		8		2
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)					8				2			
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)												4
	427564	BOLT, 7/16"-14X1 1/4" (12.9001)				1	2			2	1	2		
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		1										
	454947	BOLT, 7/16"-14X2 1/4" (12.9001)				1					1			1
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)		2										
	5128076	BOLT, 7/16"-14X4" (12.4010)					1			1		1		
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)				1					1			1
	120392	WASHER, 9/32"X5/8" (12.9190)		2										
	9414322	WASHER (3/8"X.744"X.63")		4										
	103342	WASHER, 7/16" FLAT (12.9190)					AR			AR		AR		
	5109949	WASHER (17/32"X1 3/16") (5.4025)				2					2			2
	120380	LOCKWASHER, 1/4" (12.9200)		AR										
	103321	LOCKWASHER, 3/8" (12.9200)		AR			AR			AR		AR		
	103322	LOCKWASHER, 7/16" (12.9200)		AR		AR	AR			AR	AR	AR		AR
	103323	LOCKWASHER, 1/2" (12.9200)				AR					AR			AR
	103026	NUT, 3/8"-24 HEX. (12.9120)		3										
	441292	NUT, 7/16"-14 LOCK (12.9120)					1			1		1		
	102637	NUT, 1/2"-13 HEX. (12.9120)				1					1			1
	103341	WASHER, 3/8" (12.9190)				AR					AR			

* NOT SERVICED; USE 1-5144155 BRACKET AND 1-5144156 PLATE TO INSURE INTERCHANGEABILITY.

@ NOT SERVICED; REPLACE WITH 5138478 BRACKET AND INCLUDE 1-5137905 BELT.

NOT SERVICED; REPLACE WITH 5197498 BRACKET, 2-215666 BOLTS, 2-5109949 WASHERS, 2-103322 LOCKWASHERS, 2-117050 NUTS AND 5170972 BELT SET.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 452	455	457	458	460	461	464	465	469	470	472	474
		12.4015 - PULLEY, AIR COMPRESSOR												
2D	**5117740**	PULLEY (1 GROOVE, 7.50" DIA.)					1			1		1		
2D	**5133616**	PULLEY (2 GROOVE, 5.00" DIA.)												1
2D	**5162966**	PULLEY (2 GROOVE, 6.25" DIA.)		1										
2D	**5121545**	PULLEY (2 GROOVE, 6.50" DIA.)					1							
	103385	PIN, 1/8"X1" COTTER (12.9250)					1			1		1		
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE												
2B	**5133615**	PULLEY (2 GROOVE, 5.00" DIA.)		1		1					1			1
2B	**5168696**	PULLEY (2 GROOVE, 5.50" DIA.)					1							
2B	**5177236**	PULLEY (2 GROOVE, 6.25" DIA.)		1										
2B	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1		1	1				1			1
2B	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9140)		1		1	1				1			1
		12.4020 - ADAPTOR, AIR COMPRESSOR												
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.												
2B,D	**5131402**	RETAINER ASSY. (1.7640)		1		1	1				1			1
2B,D	**179858**	BOLT, 7/16"-14X1" (12.9001)		1		1	1				1			1
2B,D	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)		4		4	4				4			4
	5150568	WASHER, COPPER (2.4050)				AR	AR				AR			AR
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR												
2B	**5117061**	GASKET (1.5040)		1	1		1	1					1	
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
2A,C	**5170450**	PLATE	1	1	1	1	1	1	1		1		1	1
2A,C	**5145092**	BOLT, 3/8"-24X1.20" SELF-LOCK	4	4	4	4	4	4	4		4		4	4
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
2A,C	**5144866**	HUB	1		1			1	1				1	
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1		1			1	1				1	
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
2D	**5145730**	BELT (.785"X48.00" L.)					1			1				
2D	**5124293**	BELT SET (2 BELTS, 43.60"L.)					1							
2D	**5135882**	BELT SET (2 BELTS, 57.00"L.)		1										

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 452	455	457	458	460	461	464	465	469	470	472	474
		12.4045 - BELT, AIR COMPRESSOR DRIVE (CONT'D)												
		(7.1575)												
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE												
2B	**5131130**	SHAFT (1.7640)		1		1	1				1			1
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT												
2B	**907191**	BEARING (N.D. 5206W.) (1.7655)		1		1	1				1			1
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
2A,C	**5141773**	COUPLING			1			1	1				1	
		12.4051 - SEAL, AIR COMPRESSOR DRIVE												
2B	**5131329**	SEAL (1.7660)		1		1	1				1			1
	5131131	SPACER, SEAL (1.7665)		1		1	1				1			1
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING												
2B	**9415285**	RING, LOCK (2 7/16" DIA.) (2.7470)		1		1	1				1			1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
2A,C	**2289944**	HOSE, FLEX. (10.50"L.) (7.4074)					1			1				
	5135077	HOSE, FLEX. (23" L.)						1						
2A,C	**5131146**	HOSE, FLEX. (25"L.)	1						1				1	
2A,C	**5126693**	HOSE, FLEX. (29" L.)			1		1							
	116436	CONNECTOR, 1/4" FLEX. TUBE (12.9380)					1							
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)								1				
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)	1		1		1	1	1				1	
	116453	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)	1		1		1	1	1	1			1	
	119113	ELBOW, 1/4"-45 DEG. STREET (12.9590)					1							
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)					1			1				
	105405	NIPPLE, 1/4"X7/8" PIPE (12.9560)								1				
	105418	CROSS, 1/8" - 4 WAY								1				
	5145009	PLUG, 1/8" PIPE (12.9550)								1				
	5121182	PLUG, 1/4" PIPE (12.9550)							1					

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 452	455	457	458	460	461	464	465	469	470	472	474
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
2D	**5126694**	HOSE, FLEX. (15" L.)					1							
2D	**2337354**	HOSE, FLEX. (16 1/8" L.)					1			1				
2D	**5115729**	* HOSE, FLEX. (42" L.) (12.6692)												1
	3291272	ELBOW, 1/2" FL. TUBE 90 DEG. (1.1100)	1											
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)					2			1				1
	5113215	FITTING, HOSE (1/2"-14) (12.6692)												1
	5113192	FITTING, SWIVEL (7/8"-14 INT.) (12.6689)												1
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)	1											
	444004	ADAPTOR, 1/2" PIPE (12.9565)					1			1				
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5135293 #10X74".												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
2A,C	**5161873**	CLIP, 7/16" (7.4412)			1			1						
2A,C	**5153473**	CLIP, 1/2" (4.6040)	1						1				1	
2A,C	**5151108**	CLIP, 1/2" (12.4095)			1									
2A,C	**5160629**	SPACER, CLIP (4.2270)	1		1			1	1					
2A,C	**5114551**	TAG, CABLE (7.4545)	2											
	119092	BOLT, 3/8"-16X4 3/4" (12.9001)	1						1					
	186317	BOLT, 3/8"-24X5" (12.9001)	1											
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
2A,C	**5109116**	* HOSE, FLEX. (10"L.) (JUMPER LINE)					1			1				
2A,C	**5129157**	* HOSE, FLEX. (16 7/8"L.)						1						
2A,C	**5129157**	* HOSE, FLEX. (18"L.) (12.4070)	1											
2A,C	**5126691**	HOSE, FLEX. (19"L.)											1	
2A,C	**5129157**	* HOSE, FLEX. (23"L.)							1					
2A,C	**5129157**	* HOSE, FLEX. (24.50"L.)					1							
2A,C	**5123318**	HOSE, FLEX. (45.25"L.) (4.4330)			1									
	118757	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)	1				2	1		1				
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)							1					
	118757	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)											2	
	225828	ELBOW, 1/2" TUBE 90 DEG., 3/8"-18 (12.9480)							1					
	118752	CONNECTOR, 1/2" TUBE (12.9380)	1					1						
	5121825	FITTING, 3/8"-18 (12.4090)					2		1	1				
	5120020	FITTING, 3/4"-16	2				2	2						
	5173854	FITTING, 3/4"-18 (12.4090)							1					

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 452	455	457	458	460	461	464	465	469	470	472	474
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
	5120020	FITTING, 3/4"-16								1				
	444136	TEE, 3/8" PIPE (12.9616)	1				1	1	1				1	
	118536	DRAINCOCK, 3/8" (12.9510)							1					
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
2A,C	**5129157**	* HOSE, FLEX. (10"L.) (JUMPER LINE)					1		1	1				
2A,C	**5129157**	* HOSE, FLEX. (30.50"L.)					1							
2A,C	**5129157**	* HOSE, FLEX. (36.50"L.)						1						
2A,C	**5123317**	HOSE, FLEX. (42.25"L.) (4.4330)	1		1								1	
2A,C	**5123318**	HOSE, FLEX. (45.25"L.) (4.4330)							1					
	120702	ELBOW, 3/8"-45 DEG. STREET (12.9590)						1						
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)								1				
2C	**5130294**	ELBOW, 1/2" TUBE 45 DEG., 3/4"-16 EXT. (12.4090)	1		1								1	
2C	**2325715**	ELBOW, 1/2" TUBE 90 DEG. (3.5505)	1		1			1					1	
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)			2		2							
	137425	ELBOW, 1/2"-90 DEG., 3/8"-18 EXT. (12.9480)							2					
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)								1				
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)						1						
	431538	CONNECTOR, 1/2" INV. FL. TUBE, 3/8" PIPE TAP (12.9460)							1					
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)					1		1					
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)					1			1				
	5121825	FITTING, HOSE (3/8"-18)					1		1	1				
	5120020	FITTING, HOSE (3/4"-16) (12.4085)								1				
	5120020	FITTING, HOSE (3/4"-16) (12.4085)					3	2						
	5173854	FITTING, HOSE (3/4"-18 THD.) (12.3050)							1					
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
2A,C	**5171509**	CLIP (5/8"X3/8" BOLT) (9.1591)	AR		AR			AR	AR				AR	
2A,C	**3291251**	CLIP, 5/8" (1.1060)					1							
2A,C	**5151189**	CLIP, 3/4" (4.8040)			1			1						
2A,C	**5173022**	BRACKET, CLIP (5.5379)	1		1			1					1	
2A,C	**5111079**	BRACKET (4.8042)			1									

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4522	4555	4577	4588	4600	4611	4644	4655	4699	4700	4722	4744
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE (CONT'D)												
2A,C	5160629	SPACER (13/32"X7/32") (4.2270)						1	1					
2A,C	5114551	TAG, CABLE (7.4545)					AR							
	179816	BOLT, 5/16"-18X3/4" (12.9001)			1									
	181595	BOLT, 5/16"-24X3/4" (12.9001)						1						
	180120	BOLT, 3/8"-16X3/4" (12.9001)							1					
	180120	BOLT, 3/8"-16X3/4" (12.9001)			2			1						
	180121	BOLT, 3/8"-16X7/8" (12.9001)	1											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						1						
	106284	BOLT, 3/8"-24X5/8" (12.9001)											1	
	103341	WASHER, 3/8" (12.9190)			AR									
	103320	LOCKWASHER, 5/16" (12.9200)			1			1						
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR			AR	AR				AR	
	123197	NUT, 5/16"-18 HEX. (12.9120)			1									
	114493	NUT, 5/16"-24 HEX. (12.9120)						1						
	102635	NUT, 3/8"-16 HEX. (12.9120)	1		2			1						
	117049	NUT, 3/8"-24 HEX. (12.9120)											1	
		12.4300 - STRAINER, AIR COMPRESSOR												
2A	5110411	STRAINER ASSY.					2					1		
2A	5110410	* GASKET			1		2	1				1		
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)					4					2		
	103320	LOCKWASHER, 5/16" (12.9200)										2		
	103320	LOCKWASHER, 5/16" (12.9200)					4							
		* FURNISHED WITH COMPRESSOR.												
		12.4375 - TUBE AND ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET												
2A,C	5136780	TUBE ASSY. (DEV. L. 32.50")			1			1						
2A,C	5129583	TUBE (DEV. L. 9.50")	1											
2A,C	3291272	ELBOW, 1/2"-90 DEG. (1.1100)			1			1						
	5181801	ELBOW, 3/4"-1" PIPE (5.1261)								2				
2A,C	5138542	* HOSE, FLEX. (9.50"L.) (4.7100)			1									
2A,C	5126052	HOSE, FLEX. (10.50"L.)								1				
2A,C	5138542	* HOSE, FLEX. (12.00"L.)						1						
2A,C	5138542	* HOSE, FLEX. (27.00"L.)	1											
2A,C	5189769	FLANGE (ELBOW)								1				
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)			1			1						
	5186840	CLAMP (12.9660)	2											
	9139801	CLAMP, 5/8" (12.9660)			2			2						
	5186840	CLAMP, 1" (12.9660)								2				
	186618	BOLT, 5/16"-18X5/8" (12.9001)			2			2						
	114931	BOLT, 5/16"-18X11/16" (12.9001)	2											
	179816	BOLT, 5/16"-18X3/4" (12.9001)								2				
	103320	LOCKWASHER, 5/16" (12.9200)	AR		AR			AR		AR				

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 452	455	457	458	460	461	464	465	469	470	472	474
		12.4375 - TUBE AND ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET(CONT'D)												
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 475	476	481	482	486	490	491	494	497	498	505
		12.4001 - COMPRESSOR ASSY., AIR											
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY *BENDIX-WESTINGHOUSE*. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES).											
2A,C	**5144302**	* COMPRESSOR (#282389) (12 CFM)									1		
2A,C	**5102067**	COMPRESSOR (#285923) (12 CFM)						1	1				1
2A,C	**5144303**	* COMPRESSOR (FOR MOUNTING ON LEFT BANK) (#282397) (12 CFM)	1				1						
2A,C	**5106140**	* COMPRESSOR (TP #N-5504-B) (EL-740) (7 1/4" CFM)		1						1			
2A,C	**5102066**	COMPRESSOR (#285924) (12 CFM)				1							
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)					1				1		
	118536	DRAINCOCK, 3/8" (12.9510)						1	1				1
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				4							4
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)		4						4	4		
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	4				4						
	103322	LOCKWASHER, 7/16" (12.9200)				4							4
	103323	LOCKWASHER, 1/2" (12.9200)		4			4			4	4		
		* USE 5145014 PLUG AND 5145009 PLUG AS REQUIRED.											
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING											
2A,C	**5104506**	GASKET (1.5040)	1	1						1			
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING											
	5131090	BRACKET, SUPPORT										1	
	5128050	* BRACKET, ADJUSTING						1	1				1
2D	**5131126**	BRACKET, ADJUSTING (REAR)			1								
2D	**5131127**	BRACKET, ADJUSTING (INTERMEDIATE)			1								
	5143874	BRACKET				1							
	5131121	PLATE, SUPPORT										1	
	5145417	PLATE (LOWER COVER AND MOUNTING)				1		1	1				1
	5108716	PLATE, SUPPORT			1								
	5131163	SUPPORT (6 HOLE)										1	
	5122266	GASKET, ADJUSTING BRACKET (7.1597)			1								
	5158631	SHIM (.031") (8.1630)			AR								
	5160629	SPACER (13/32"X7/32") (4.2270)			6								
	186676	BOLT, 1/4"-20X5/8" (12.9001)			2								
	180120	BOLT, 3/8"-16X3/8" (12.9001)			2								
	179839	BOLT, 3/8"-16X1" (12.9001)				2							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2			2	2				2
	186813	BOLT, 3/8"-24X6" (12.9001)										1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4751	4756	4801	4802	4806	4901	4904	4907	4908	5005
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)										
	186317	BOLT, 3/8"-24X5" (12.9001)			1							
	5131125	BOLT, 3/8"-24X5 3/4" (12.4010)			3							
	179858	BOLT, 7/16"-14X1" (12.9001)			1							
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)			1	3		8	8		2	1
	427564	BOLT, 7/16"-14X1 1/4" (12.9001)				1		2	2			2
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)									2	
	5128076	BOLT, 7/16"-14X4" (12.4010)				1		1	1			1
	431809	BOLT, 1/2"-13X6" (12.9001)			1							
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)			1							
	103342	WASHER, 7/16" FLAT (12.9190)				AR		AR	AR			AR
	5108436	WASHER (15/32"X15/16") (7.15980)			1							
	5109949	WASHER (17/32"X1 3/16") (5.4025)			2							
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR		AR	AR		AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)			AR	AR		AR	AR		AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)			AR							
	103026	NUT, 3/8"-24 HEX. (12.9120)									3	
	117049	NUT, 3/8"-24 HEX. (12.9120)			3							
	441292	NUT, 7/16"-14 LOCK (12.9120)						1	1			1
	102637	NUT, 1/2"-13 HEX. (12.9120)			2							
		* NOT SERVICED; REPLACE WITH 5138478 BRACKET AND INCLUDE 1-5137905 BELT.										
		12.4015 - PULLEY, AIR COMPRESSOR										
2D	5117740	PULLEY (1 GROOVE, 7.50" DIA.)						1	1			1
2D	5120588	PULLEY (2 GROOVE, 5.25" DIA.)			1							
2D	5177009	PULLEY (2 GROOVE, 6.25" DIA.)				1						
2D	5177236	PULLEY (2 GROOVE, 6.25" DIA.)									1	
	103385	PIN, 1/8"X1" COTTER (12.9250)				1		1	1			1
2B	5168696	PULLEY (2 GROOVE, 5.50" DIA.)			1							
2B	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)			1						1	
2B	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)			1						1	
		12.4020 - ADAPTOR, AIR COMPRESSOR										
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.										
2B,D	5131402	RETAINER ASSY. (1.7640)			1						1	
	179857	BOLT, 7/16"-14X7/8" (12.9001)			1							
2B,D	179858	BOLT, 7/16"-14X1" (12.9001)									1	
2B,D	179882	BOLT, 1/2"-13X1 1/8" (12.9001)			4						4	
	103322	LOCKWASHER, 7/16" (12.9200)			AR							
	103323	LOCKWASHER, 1/2" (12.9200)			AR							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 475	476	481	482	486	490	491	494	497	498	505
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR											
2A,C	5117061	GASKET (1.5040)			1		1				1	1	
		12.4037 - PLATE, AIR COMPRESSOR DRIVE											
2A,C	5170450	PLATE	1		1		1			1	1	1	
2A,C	5145092	BOLT, 3/8"-24X1.20" SELF-LOCK	4	4	4		4			4	4	4	
		12.4040 - HUB, AIR COMPRESSOR DRIVE											
2A,C	5144866	HUB	1	1			1			1	1		
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1	1			1			1	1		
		12.4045 - BELT, AIR COMPRESSOR DRIVE											
2D	5145730	BELT (.785"X48.00" L.)						1	1				1
2D	5168863	BELT SET (2 BELTS, 40.69"L.) (7.1575)			1								
2D	5134212	BELT SET (2 BELTS, 48.00"L.) (1.3320)				1							
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE											
2B	5131130	SHAFT (1.7640)			1							1	
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT											
2B	907191	BEARING (N.D. 5206W.) (1.7655)			1							1	
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE											
2A,C	5141773	COUPLING	1	1			1			1	1		
		12.4051 - SEAL, AIR COMPRESSOR DRIVE											
2B	5131329	SEAL (1.7660)			1							1	
	5131131	SPACER, SEAL (1.7665)			1							1	
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING											
2B	9415285	RING, LOCK (2 7/16" DIA.) (2.7470)			1							1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 475	476	481	482	486	490	491	494	497	498	505
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY											
2A,C	**2289944**	HOSE, FLEX. (10.50"L.) (7.4074)						1	1				1
2A,C	**5109271**	HOSE, FLEX. (13.75"L.)				1							
2A,C	**2278122**	HOSE, FLEX. (21" L.)								1			
2A,C	**5135077**	HOSE, FLEX. (23" L.)					1				1		
2A,C	**5126692**	HOSE, FLEX. (32" L.)		1									
2A,C	**2327515**	+ HOSE, FLEX. (40 15/16" L.)			1								
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)							1				
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)	1	1	2		1				1		
	116453	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)	1	1		1	1	1	1	1	1		1
	112877	ELBOW, 1/4"X1/8" RED. PIPE (12.9570)			1								
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)						1	1				1
	105405	NIPPLE, 1/4"X7/8" PIPE (12.9560)							1				
	105418	CROSS, 1/8"-4 WAY							1				
	5145009	PLUG, 1/8" PIPE (12.9550)			1				1				
		+ OBSOLETE.											
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN											
2D	**2337354**	HOSE, FLEX. (16 1/8" L.)						1	1				1
2D	**5109830**	HOSE, FLEX. (19 7/8" L.)				1							
2D	**5108860**	* HOSE, FLEX. (38" L.) (1.1060)			1								
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)						1					1
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)			1	1							
	109429	ELBOW, 5/8"-90 DEG. TUBE (12.9390)			1			1	1				1
	116487	CONNECTOR, 5/8" TUBE (12.9380)				1							
	5113215	FITTING, HOSE (1/2"-14) (12.6692)			1								
	5113192	FITTING, SWIVEL (7/8"-14 INT.) (12.6689)			1								
	118536	DRAINCOCK, 3/8" (12.9510)						1					1
	444258	TEE, 3/8" PIPE (12.9490)						1					1
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)				1							
	444004	ADAPTOR, 1/2" PIPE (12.9565)						1	1				1
		* NOT SERVICED; USE STANDARD LENGTH HOSE 5135293 #10X74".											
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE											
2A,C	**5161873**	CLIP, 7/16" (7.4412)		1									
2A,C	**5161873**	CLIP, 7/16" (7.4412)			3								
2A,C	**5153473**	CLIP, 1/2" (4.6040)	1				1				1		
2A,C	**5151108**	CLIP, 1/2" (12.4095)								1			
2A,C	**5173022**	SUPPORT, CLIP (5.5379)	2										
2A,C	**5160629**	SPACER, CLIP (4.2270)	1	1			1				1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 475	476	481	482	486	490	491	494	497	498	505
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE (CONT'D)											
2A,C	5114551	TAG, CABLE (7.4545)			1								
	180120	BOLT, 3/8"-16X3/4" (12.9001)								1			
	180121	BOLT, 3/8"-16X7/8" (12.9001)			1								
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)		1									
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)					1						
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)					1				1		
	103341	WASHER, 3/8" FLAT (12.9190)								1			
	103321	LOCKWASHER, 3/8" (12.9200)			1					1			
	102635	NUT, 3/8"-16 HEX. (12.9120)								1			
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET											
2A,C	5118149	* HOSE, FLEX. (3.50"L.)								1			
2A,C	5109116	* HOSE, FLEX. (10"L.) (JUMPER LINE)						1	1				1
2A,C	5129157	* HOSE, FLEX. (16 7/8" L.)		1			1			1	1		
2A,C	5129157	* HOSE, FLEX. (24.50"L.)				1							
2A,C	5129157	* HOSE, FLEX. (30.50"L.)			1								
	118757	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)	2	1		1	1	2	1		2		1
	5130294	ELBOW, 1/2" TUBE 45 DEG. (12.4090)		1									
	143340	ELBOW, 1/2" PIPE 45 DEG. (12.9600)								1			
	5181801	ELBOW (3/4"-1") (5.2161)								1			
	118752	CONNECTOR, 1/2" TUBE (12.9380)			1	1							
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)				1							
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)								1			
	5121825	FITTING, 3/8"-18 (12.4090)			1			1	1	1			1
	5120020	FITTING, 3/4"-16	4	1	1	2	2	1	2		2		1
	5173854	FITTING, 3/4"-18 (12.4090)								1			
	444136	TEE, 3/8" PIPE (12.9616)		1	1		1				1		
	120280	TEE, 3/8" PIPE (12.9616)				1							
	144086	TEE, 3/4" PIPE (12.9616)								1			
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)				1				1			
	118536	DRAINCOCK, 3/8" (12.9510)				1							
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET											
2A,C	5129157	* HOSE, FLEX. (10"L.) (JUMPER LINE)				1		1	1				1
2A,C	5129157	* HOSE, FLEX. (36.50"L.)		1			1				1		
2A,C	5123318	HOSE, FLEX. (45.25"L.) (4.4330)			1								
2A,C	5138143	TUBE (47.00"L.)								1			
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)				1			1				
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)						1					1
2C	5130294	ELBOW, 1/2" TUBE 45 DEG., 3/4"-16 EXT. (12.4090)	1	1									

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 475	476	481	482	486	490	491	494	497	498	505
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)											
2C	2325715	ELBOW, 1/2" TUBE 90 DEG. (3.5505)	1	1	1		1				1		
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)			1	1		1	1				1
	5176522	ELBOW, 1/2" TUBE SEALASTIC (12.9425)								1			
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)					1				1		
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)								1			
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)				1		1	1				1
	5121825	FITTING, HOSE (3/8"-18)				1		1	1				1
	5120020	FITTING, HOSE (3/4"-16) (12.4085)		2		1	2	1	1		2		1
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)								2			
	5176523	NUT (1/2" TUBE SEALASTIC) (12.9445)								2			
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE											
2A,C	5168001	CLIP, 1/2"								1			
2A,C	5171509	CLIP (5/8"X3/8" BOLT) (9.1591)	AR	AR	AR		AR				AR		
2A,C	5151189	CLIP, 3/4" (4.8040)								1			
2A,C	5173022	BRACKET, CLIP (5.5379)		1			1			1	1		
2A,C	5166565	BRACKET, CLIP (9.1591)			1								
2A,C	5159347	SPACER (7.1581)								2			
2A,C	5160629	SPACER (13/32"X7/32") (4.2270)	1										
2A,C	5114551	TAG, CABLE (7.4545)			AR		AR				AR		
	181595	BOLT, 5/16"-24X3/4" (12.9001)					1				1		
	180120	BOLT, 3/8"-16X3/4" (12.9001)		1	1		1						
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								2			
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			1								
	186312	BOLT, 3/8"-24X4" (12.9001)			1								
	103320	LOCKWASHER, 5/16" (12.9200)					1				1		
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR		AR			AR			
	114493	NUT, 5/16"-24 HEX. (12.9120)					1				1		
	102635	NUT, 3/8"-16 HEX. (12.9120)		1	1								
		12.4300 - STRAINER, AIR COMPRESSOR											
2A	5110411	STRAINER ASSY.	1	1						1			1
2A	5110410	* GASKET	1	1						1			1
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2						2			2
	103320	LOCKWASHER, 5/16" (12.9200)	2	2						2			2
		* FURNISHED WITH COMPRESSOR.											

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 475	476	481	482	486	490	491	494	497	498	505
		12.4375 - TUBE AND ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET											
2A,C	**5129582**	TUBE (DEV. L. 9.50")					1						
2A,C	**5137894**	HOSE, FLEX. (7.25"L.)			1								
2A,C	**5117747**	HOSE, FLEX. (8.50"L.)							1				
2A,C	**5126052**	HOSE, FLEX. (10.50"L.)						1					
2A,C	**5138542**	* HOSE, FLEX. (18.00"L.)					1						
2A,C	**5138542**	* HOSE, FLEX. (24.25"L.)									1		
2A,C	**5138542**	* HOSE, FLEX. (39.00"L.)				1							
	3291272	ELBOW, 1/2"-90 DEG. (1.1100)					1				2		
	140798	ELBOW, 3/4"-45 DEG. (12.9590)				1							
	5176705	ELBOW, 3/4"-90 DEG. (8.3800)				1							
	5181801	ELBOW, 3/4"-1" PIPE (5.1261)			2			2	2				
	5189769	FLANGE (ELBOW)						1	1				
	5132103	FLANGE			1	1					1		
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)					1				2		
	5186840	CLAMP (12.9660)					2				2		
	5186840	CLAMP, 1" (12.9660)			2			2	2				
	5121190	FITTING, 3/4"-14 (4.7100)				1							
	5126728	FITTING, 1 1/16"-14 (12.4070)				1							
	114931	BOLT, 5/16"-18X11/16" (12.9001)			2								
	179816	BOLT, 5/16"-18X3/4" (12.9001)					2	2	2		2		
	103320	LOCKWASHER, 5/16" (12.9200)			AR		AR	AR	AR		AR		
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
		12.4377 - CLIP, AIR COMPRESSOR BOOSTER INLET TUBE AND ELBOW ASSY											
2A,C	**5177001**	CLIP, 7/8" (8.3801)									1		
2A,C	**5183247**	CLIP, 1"				1							
2A,C	**5155464**	BRACKET, CLIP (7.1582)									1		
	179816	BOLT, 5/16"-18X3/4" (12.9001)				2							
	179833	BOLT, 3/8"-16X1/2" (12.9001)									1		
	180120	BOLT, 3/8"-16X3/4" (12.9001)									1		
	103341	WASHER, 3/8" FLAT (12.9190)									1		
	103320	LOCKWASHER, 5/16" (12.9200)				AR					AR		
	103321	LOCKWASHER, 3/8" (12.9200)									2		
	102635	NUT, 3/8"-16 HEX. (12.9120)									1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 513	518	523	537	539	544	551	552	554	558	563	569
		12.4001 - COMPRESSOR ASSY., AIR												
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES.)												
2A,C	**5144306**	* COMPRESSOR (#282404) (24 CFM)	1						1		1			
2A,C	**5102066**	COMPRESSOR (#285924) (12 CFM)		1		1						1	1	
2A,C	**5144303**	* COMPRESSOR (#282397) (12 CFM)			1					1				
2A,C	**5144302**	* COMPRESSOR (#282389) (12 CFM)					1							1
2A,C	**5138631**	@ COMPRESSOR (#280748) (12 CFM)						1						
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	4		4		4		4	4	4			4
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		4		4						4	4	
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)						5						
	138269	BOLT, 7/16"-14X1 3/4" (12.9027)						1						
	103323	LOCKWASHER, 1/2" (12.9200)	4		4		4		4	4	4			4
	103322	LOCKWASHER, 7/16" (12.9200)		4		4		AR				AR	4	
	271500	NUT, 7/16"-14 HEX. (12.9120)						6						
		* USE 5145014 PLUG AND 5145009 PLUG AS REQUIRED.												
		@ NOT SERVICED, FOR SERVICE USE 8921206.												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
2A,C	**5104506**	GASKET (1.5040)	1		1		1		1	1	1			1
2A,C	**5131939**	# GASKET		1		1		1				1	1	
		# FURNISHED WITH AIR COMPRESSOR.												
		12.4010 - BRACKET, AIR COMP. MTG.												
2D	**5143874**	BRACKET		1		1							1	
2D	**5131446**	* BRACKET						1						
2D	**5131445**	BRACKET (ADJUSTING)						1						
2D	**5138478**	BRACKET										1		
	5143873	BRACKET, SUPPORT		1		1								
	5143857	BRACKET, SUPPORT		1		1								
	5145417	PLATE (LOWER COVER AND MOUNTING)		1		1						1	1	
	5131447	PLATE (SUPPORT)						1						
	5136148	SHIM (.002")						AR						
	5136147	SHIM (.005")						AR						
	5126323	SHIM (.012") (4.4115)						AR						
	179839	BOLT, 3/8"-16X1" (12.9001)		2		2							2	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						2				2		
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)		4		4								
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)		2		2								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5133	5183	5233	5337	5339	5444	5511	5522	5544	5558	5633	5669
		12.4010 - BRACKET, AIR COMP. MTG. (CONT'D)												
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)		2		2								
	5135182	BOLT, 3/8"-24X2 1/4"		1		1							1	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		7		7		2				2	7	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)						1						
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)										2		
	427570	BOLT, 7/16"-14X2" (12.9001)						1						
	5128076	BOLT, 7/16"-14X4"		1		1						1	1	
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)						1						
	103341	WASHER, 3/8" (12.9190)		AR		AR								
	103342	WASHER, 7/16" FLAT (12.9190)		4		4						6	4	
	5109949	WASHER (17/32"X1 3/16) (5.4025)						2						
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR						AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)		AR		AR		AR				AR	AR	
	103323	LOCKWASHER, 1/2" (12.9200)						AR						
	117062	NUT, 3/8"-16 HEX. (12.9120)		2		2								
	117049	NUT, 3/8"-24 HEX. (12.9120)		1		1							1	
	441292	NUT, 7/16"-14 HEX. LOCK (12.9140)										1		
	102637	NUT, 1/2"-13 HEX. (12.9120)						1						
		* NOT SERVICED; USE 5144155 BRACKET AND 5144156 PLATE.												
		12.4015 - PULLEY, AIR COMPRESSOR												
2D	**5117740**	PULLEY (1 GROOVE, 7.5" DIA.)										1		
2D	**5133616**	PULLEY (2 GROOVES, 5" DIA.)						1						
2D	**5177009**	PULLEY (2 GROOVES, 6.25" DIA.)		1		1							1	
	103385	PIN, 1/8"X1" COTTER (12.9250)		1		1		1				1	1	
		12.4017 - PULLEY, AIR COMP. DRIVE												
	NPN	PULLEY, CRANKSHAFT DRIVEN (SEE 1.3280)		1		1						1	1	
2B,D	**5133615**	PULLEY (2 GROOVES, 5" DIA.)						1						
2B,C	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)						1						
2B,C	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9140)						1						
		12.4020 - ADAPTOR, AIR COMPRESSOR												
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.												
2B,D	**5131402**	RETAINER ASSY. (1.7645)						1						
2B,D	**179858**	BOLT, 7/16"-14X1" (12.9001)						1						
2B,D	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)						4						

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 513	518	523	537	539	544	551	552	554	558	563	569
		12.4020 - ADAPTOR, AIR COMPRESSOR (CONT'D)												
	5150568	WASHER, 7/16"X3/4" COPPER (2.4050)						1						
	103323	LOCKWASHER, 1/2" (12.9200)						4						
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR												
2B	5117061	GASKET (1.5040)						1						
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
2A,C	5170450	PLATE, STEEL (1.7630)	1		1		1	1	1	1	1			1
2A,C	5145092	BOLT, 3/8"-24X1.20" SELF-LOCK (12.5015)	4		4		4	4	4	4	4			4
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
2A,C	5144866	HUB	1		1		1		1	1	1		1	
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1		1		1		1	1	1		1	
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
2D	5126763	BELT SET (2 BELTS, 40.00" L.) (1.3320)						1						
2D	5134212	BELT SET (2 BELTS, 48.00" L.) (1.3320)		1		1							1	
2D	5145730	BELT (.785"X48.00"L.)										1		
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE												
2B	5131130	SHAFT (1.7640)						1						
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT												
2B	907191	BEARING (N.D. 5206W.) (1.7655)						1						
		12.4050 - COUPLING, AIR COMP. DRIVE												
2A,C	5141773	COUPLING	1		1		1		1	1	1			1
		12.4051 - SEAL, AIR COMPRESSOR DRIVE												
2B	5131239	SEAL (1.7660)						1						
	5131131	SPACER, SEAL (1.7665)						1						

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5133	5183	5233	5337	5339	5444	5511	5552	5554	5558	5633	5669
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING												
2B	9415285	RING, LOCK (2 7/16" DIA.) (2.7470)						1						
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
2A,C	2289944	HOSE, FLEX. (10.50"L.) (7.4074)										1		
2A,C	5135077	HOSE, FLEX. (23"L.)								1				
2A,C	2308332	HOSE, FLEX. (24"L.)							1					
2A,C	5131146	HOSE, FLEX. (25"L.)	1		1		1				1			1
2A,C	5136052	HOSE, FLEX. (31"L.)		1		1							1	
2A,C	5126692	HOSE, FLEX. (32"L.)						1						
	118753	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)	1		1		1	1		1	1			1
	116453	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)	1	1	1	1	1	1	1	1	1	1	1	1
	105423	ELBOW, 1/4" STREET 90 DEG. (12.9590)												1
	105405	NIPPLE, 1/4"X7/8" PIPE (12.9560)												1
	118748	CONNECTOR, 1/4" TUBE, 1/8" P.T. (12.9380)										1		
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9750)							1					2
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)		1		1						1	1	
	105419	CROSS, 1/4" PIPE (12.9618)												1
	5177752	TEE, 1/8"X1/8"X1/4" (2.7890)										1		
	444148	TEE, 1/4"-18 PIPE (12.9616)							1					
	5145009	PLUG, 1/8" PIPE (12.9550)												2
	5121182	PLUG, 1/4" PIPE (12.9550)	1						1		1			
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
2D	5135293	* HOSE, FLEX. (9"L.) (3.5525)						1						
2D	2337354	HOSE, FLEX. (16 1/8"L.)										1		
2D	5109830	HOSE, FLEX. (19 7/8"L.)		1		1							1	
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)		1		1		1						
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)						1				1		
	116487	CONNECTOR, 1/2" TUBE (12.9380)		1		1								
	5113215	FITTING, MALE (5/8" HOSE X 1/2"-14) (12.6692)						1						
	5113192	FITTING, MALE (5/8" HOSE X 7/8"-14) (12.6689)						1						
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)		1		1						1	1	
	444004	ADAPTOR, 1/2" PIPE (12.9565)										1		

* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 513	518	523	537	539	544	551	552	554	558	563	569
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
2A,C	5161873	CLIP (7/16" TUBE, 3/8" BOLT) (7.4412)												1
2A,C	5153473	CLIP (1/2",3/8" BOLT) (4.6040)	1	2	1	2	1	1	1	1	1	1	2	1
2A,C	5160629	SPACER (13/32"X7/32" CLIP) (4.2270)	1		1		1	1		1	1			1
	180121	BOLT, 3/8"-16X7/8" (12.9001)		2		2							2	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)								1				
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)	1		1		1			1	1			1
	103341	WASHER, 3/8" FLAT (12.9190)		2		2							2	
	103321	LOCKWASHER, 3/8" (12.9200)		2		2							2	
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
2A,C	5188017	HOSE, FLEX. (12"L.) (8.3830)				1						1		
2A,C	5129157	* HOSE, FLEX. (16 7/8"L.)								1				1
2A,C	5129157	* HOSE, FLEX. (23"L.) (12.3050)									1			
2A,C	5129157	* HOSE, FLEX. (24.50"L.)		1									1	
2A,C	5129157	* HOSE, FLEX. (41"L.) (8.3830)							1					
2A,C	5123317	HOSE, FLEX. (44"L.) (4.4330)					1							
2A,C	5129157	* HOSE, FLEX. (47"L.) (4.4330)	1											
2A,C	5129157	* HOSE, FLEX. (49.50"L.) (8.3830)						1						
2A,C	5123319	HOSE, FLEX. (51.75"L.)			1									
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)				1								
	5130294	ELBOW, 1/2" TUBE 45 DEG. (12.9490)				1								
	143340	ELBOW, 1/2" TUBE 45 DEG. (12.9600)							1					
	225828	ELBOW, 1/2" TUBE 90 DEG. (12.9480)	2						2		2			
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)		1			2	2		2		1	1	2
	118752	CONNECTOR, 1/2" TUBE (12.9380)		1									1	
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)		1		1							1	
	5121825	FITTING, MALE (1/2" HOSE X 3/8"-18) (12.4090)									1			
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4"-16)		2				2		2			2	2
	5173854	FITTING, MALE (1/2" HOSE X 3/4" -18) (12.4090)							2		2			
	120280	TEE, 3/8" PIPE (12.9616)		1		1							1	
	444258	TEE, 3/8" PIPE (12.9790)						1						
	444136	TEE, 3/8" PIPE (12.9616)								1	1			1
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)		1					1				1	
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4087 - TUBE, AIR COMPRESSOR WATER CROSSOVER												
2A,C	5129157	* HOSE, FLEX. (10"L.) (12.4090)	1						1		1			
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)	1						1		1			
	137425	ELBOW, 1/2" FL. TUBE 90 DEG.	1						1		1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5133	5138	5233	5337	5339	5444	5551	5552	5554	5558	5663	5669
		12.4087 - TUBE, AIR COMPRESSOR WATER CROSSOVER (CONT'D)												
		(12.9480)												
	5121825	FITTING, MALE (1/2" HOSE X 3/8"-18) (12.4090)	1						1		1			
	5173854	FITTING, MALE (1/2" HOSE X 3/4"-18) (12.3050)	1						1		1			
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
2A,C	**5129157**	* HOSE, FLEX. (10"L.)		1									1	
2A,C	**5188017**	HOSE, FLEX. (12"L.) (8.3830)				1						1		
2A,C	**5129157**	* HOSE, FLEX. (12.50"L.) (12.4085)									1			
2A,C	**5129157**	* HOSE, FLEX. (36.50"L.) (12.4085)						1						1
2A,C	**5123317**	HOSE, FLEX. (44"L.) (4.4330)			1		1			1				
2A,C	**5123318**	HOSE, FLEX. (47"L.) (4.4330)	1											
2A,C	**5129157**	* HOSE, FLEX. (47"L.)							1					
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)		1		1						1	1	
	5130294	ELBOW, 1/2" TUBE 45 DEG., 3/4"-16 EXT.			1		1			1				
	143340	ELBOW, 1/2" TUBE 45 DEG. (12.9480)							1					
	225828	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9480)	1						1		1			
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)		1		1		1				1	1	
	2325715	ELBOW, 1/2" TUBE 90 DEG. (3.5505)			1		1	1		1				1
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)	1								1			
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)								1				1
	5121825	FITTING, MALE (1/2" HOSE X 3/8"-18)		1									1	
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4"-16) (12.4085)		1									1	
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4"-16) (12.4085)						2						2
	5173854	FITTING, MALE (1/2" HOSE X 3/4"-18) (12.3050)							2		2			
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)	1						1					
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)		1		1						1	1	
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)									1			
	118536	DRAINCOCK, 3/8" (12.9510)	1	1				1	1		1		1	
	5154453	PLUG, 3/8"-16 SPECIAL (1.2001)							1					
	444867	PLUG, 3/8" PIPE (12.9550)												1
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 513	518	523	537	539	544	551	552	554	558	563	569
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
2A,C	5171509	CLIP (5/8" TUBE X 3/8" BOLT) (9.1591)	3		6		4	2	2	3				3
2A,C	5151189	CLIP (3/4" TUBE X 3/8" BOLT) (4.8040)(4.8040)	3					2	3		1			
2A,C	5173022	BRACKET, CLIP (5.5379)			2		1			1				
2A,C	5155464	BRACKET, CLIP (7.1582)						1	1					
2A,C	5159393	BRACKET, CLIP (4.1575)												1
2A,C	5160629	SPACER (13/32"X7/32") (4.2270)			1						1			
	132273	SCREW, 1/4"-20X1" FIL. HD. (12.9010)						1						
	181595	BOLT, 5/16"-24X3/4" (12.9001)								1				
	179835	BOLT, 3/8"-16X5/8" (12.9001)			1		2							
	180120	BOLT, 3/8"-16X3/4" (12.9001)	1		1				1	1				
	180121	BOLT, 3/8"-16X7/8" (12.9001)					1							1
	179839	BOLT, 3/8"-16X1" (12.9001)							1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1									
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)									1			
	181360	BOLT, 3/8"-24X3/4" (12.9001)						1						
	120391	WASHER, 9/32" (12.9190)						1						
	103341	WASHER, 3/8" (12.9190)			AR									
	5152148	WASHER, 3/8"X9/16" COPPER (2.4050)							1					
	103320	LOCKWASHER, 5/16" (12.9200)							AR	AR				
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR		AR	AR		AR				AR
	114493	NUT, 5/16"-24 HEX. (12.9120)							1	1				
	102635	NUT, 3/8"-16 HEX. (12.9120)			2		1							1
	117049	NUT, 3/8"-24 HEX. (12.9120)						1						
		12.4300 - STRAINER, AIR COMPRESSOR												
2A	5110411	STRAINER ASSY.						1		1				
2A	5110410	* GASKET	1	1	1	1	1	1	1	1	1	1	1	1
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)						2		2				
	103320	LOCKWASHER, 5/16" (12.9200)						2		2				
		* FURNISHED WITH AIR COMPRESSOR.												
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET												
2A,C	5121773	TUBE ASSY. (DEV. L. 7 7/8")			1		1							
2A,C	5129582	TUBE (DEV. L. 9.50")			1									
2A,C	5129583	TUBE (DEV. L. 9.50")					1							
2A,C	5123457	TUBE (DEV. L. 11 3/16")			1		1							
2A,C	5108625	+ TUBE (DEV. L. 12.94") (7.4595)												1
2A,C	5140424	TUBE (DEV. L. 27.70")							1					
2A,C	5118149	* HOSE, FLEX. (1"X2")							2					
2A,C	5118113	HOSE, FLEX. (13 1/4"L.)										1		
2A,C	5129153	HOSE, FLEX. (25 1/2"L.)		1		1							1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5113	5118	5223	5337	5339	5444	5551	5552	5554	5558	5663	5669
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET (CONT'D)												
2A,C	5138542	* HOSE, FLEX. (30"L.)			1		1							
	5180273	GASKET (4.1520)			1		1							
	5150144	GASKET (4.1520)			2		2							
2C	5189769	FLANGE (ELBOW)		1		1							1	
2A	5132103	FLANGE							2			2		1
	3291272	ELBOW, 3/8" TUBE, 1/2" PIPE 90 DEG. (1.1100)												2
	5181801	ELBOW, 3/4"-1" PIPE (5.1261)		2		2			2			2	2	
	5186840	CLAMP, 1" HOSE (12.9660)							2				2	
	111607	CLAMP, 1 1/32" HOSE (12.9660)			2		2							2
	5189051	CLAMP, 1 1/2" HOSE (12.9660)		2		2						2		
	5127041	CONNECTOR, 3/4" PIPE 25 DEG. (5.1235)										1		
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)												2
	5142549	PLUG, 3/4" PIPE (12.9550)							1					
	114931	BOLT, 5/16"-18X11/16" (12.9001)			2		2							
	179816	BOLT, 5/16"-18X3/4" (12.9001)		2		2						4	2	
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)							4					2
	138232	BOLT, 5/16"-24X1" (12.9027)			1		1							
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)			2		2							
	120393	WASHER, 11/32"X11/16" (12.9190)			2		2							
	103320	LOCKWASHER, 5/16" (12.9200)		AR	AR	AR	AR		AR			AR	AR	AR
	214279	NUT, 5/16"-24 HEX. (12.9120)			1		1							
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		+ OBSOLETE.												
		12.4377 - CLIP, AIR COMPRESSOR BOOSTER INLET TUBE AND ELBOW ASSY.												
2A,C	5177001	CLIP (7/8" TUBE, 1/2" BOLT)												1
2A,C	5155664	CLIP (4" TUBE, 3/8" BOLT) (4.1570)			1		1							
2A,C	5157702	CLIP (1" TUBE, 3/8" BOLT) (4.8040)							1					
2A,C	5155464	BRACKET, CLIP (7.1582)												1
	179833	BOLT, 3/8"-16X1/2" (12.9001)												1
	180120	BOLT, 3/8"-16X3/4" (12.9001)												1
	103341	WASHER, 3/8" (12.9190)												1
	103321	LOCKWASHER, 3/8" (12.9200)												2
	102635	NUT, 3/8"-16 HEX. (12.9120)												1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5744	5766	5778	5822	5844	5911	6000	6066	6110	6188	6289
		12.4001 - COMPRESSOR ASSY., AIR											
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH *THEIR ASSY. PART NUMBER WHICH IS* SHOWN IN PARENTHESES.)											
2A,C	**5106140**	* COMPRESSOR (TP #N-5504-B) (EL-740) (1 1/4" CFM)								1			
2A,C	**5144306**	* COMPRESSOR (#282404) (24 CFM)		1									
2A,C	**5144303**	* COMPRESSOR (#282397) (12 CFM)					1	1					
2A,C	**5144302**	* COMPRESSOR (#282389) (12 CFM)	1		1						1	1	
2A,C	**5138631**	@ COMPRESSOR (#280748) (12 CFM)							1				1
2A,C	**5102067**	COMPRESSOR (#285923) (12 CFM)				1							
	5136170	# LEVER, SELECTOR VALVE (9.1175)								1			
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	4	4	4		4	4		4	4	4	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				4			4				
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)											4
	138269	BOLT, 7/16"-14X1 3/4" (12.9027)											1
	180152	BOLT, 7/16"-14X1 7/8" (12.9001)											1
	103323	LOCKWASHER, 1/2" (12.9200)	4	4	4		4	4		4	4	4	
	103322	LOCKWASHER, 7/16" (12.9200)				AR			4				AR
	271500	NUT, 7/16"-14 HEX. (12.9120)											6
		* USE 5145014 PLUG AND 5145009 PLUG AS REQUIRED.											
		@ NOT SERVICED, FOR SERVICE USE 5131823.											
		# REPLACES SELECTOR VALVE LEVER ON *MARINE APPLICATION.*											
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING											
	5104506	GASKET (1.5040)	1	1	1		1	1	1	1	1	1	
	5131939	# GASKET				1							1
		# FURNISHED WITH AIR COMPRESSOR.											
		12.4010 - BRACKET, AIR COMP. MTG.											
2C	**5131446**	* BRACKET											1
2C	**5131445**	BRACKET (ADJUSTING)											1
2C	**5138478**	BRACKET				1			1				
	5145417	PLATE (LOWER COVER AND MOUNTING)				1			1				
	5131447	PLATE (SUPPORT)											1
	5136148	SHIM (.002")											AR
	5136147	SHIM (.005")											AR
	5126323	SHIM (.012") (4.4115)											2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				2			2				2

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 574	576	578	582	584	591	600	606	610	618	629
		12.4010 - BRACKET, AIR COMP. MTG. (CONT'D)											
	5135182	BOLT, 3/8"-24X2 1/4"				1			1				
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				2			4				2
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)											1
	427570	BOLT, 7/16"-14X2" (12.9001)											1
	5128076	BOLT, 7/16"-14X4"				1			1				
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)											1
	103342	WASHER, 7/16" FLAT (12.9190)				6			6				
	5109949	WASHER (17/32"X1 3/16") (5.4025)											2
	103321	LOCKWASHER, 3/8" (12.9200)				AR			AR				
	103322	LOCKWASHER, 7/16" (12.9200)				AR			AR				AR
	103323	LOCKWASHER, 1/2" (12.9200)											AR
	117049	NUT, 3/8"-24 HEX. (12.9120)				1			1				
	441292	NUT, 7/16"-14 HEX. LOCK (12.9140)				1			1				
	102637	NUT, 1/2"-13 HEX. (12.9120)											1
		* NOT SERVICED; USE 5144155 BRACKET AND 5144156 PLATE.											
		12.4015 - PULLEY, AIR COMPRESSOR											
2D	**5117740**	PULLEY (1 GROOVE, 7.5" DIA.)				1			1				
2D	**5133616**	PULLEY (2 GROOVES, 5" DIA.)											1
	103385	PIN, 1/8"X1" COTTER (12.9250)				1			1				1
		12.4017 - PULLEY, AIR COMP. DRIVE											
	NPN	PULLEY, CRANKSHAFT DRIVEN (SEE 1.3280)				1							
2B,D	**5133615**	PULLEY (2 GROOVES, 5" DIA.)											1
2B,D	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)											1
2B,D	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9140)											1
		12.4020 - ADAPTOR, AIR COMPRESSOR											
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.											
2B,D	**5131402**	RETAINER ASSY. (1.7645)											1
2B,D	**179858**	BOLT, 7/16"-14X1" (12.9001)											1
2B,D	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)											4
	5150568	WASHER, 7/16"X3/4" COPPER (2.4050)											1
	103323	LOCKWASHER, 1/2" (12.9200)											4
		12.4037 - PLATE, AIR COMPRESSOR DRIVE											
2A,C	**5170450**	PLATE, STEEL (1.7630)	1	1	1		1	1		1	1	1	1
2A,C	**5145092**	BOLT, 3/8"-24X1.20" SELF-LOCK (12.5015)	4	4	4		4	4		4	4	4	4

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5744	5766	5778	5782	5844	5911	6000	6006	6110	6118	6229
		12.4040 - HUB, AIR COMPRESSOR DRIVE											
2A,C	**5144866**	HUB	1	1	1		1	1		1	1	1	
	103375	*PIN, 3/32"X1 1/4" COTTER (12.9250)*	1	1	1		1	1		1	1	1	
		12.4045 - BELT, AIR COMPRESSOR DRIVE											
2D	**5126763**	BELT SET (2 BELTS, 40.00" L.) (1.3320)											1
2D	**5145730**	BELT (.785"X48.00" L.)				1			1				
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE											
2B	**5131130**	SHAFT (1.7640)											1
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT											
2B	**907191**	BEARING (N.D. 5206W.) (1.7655)											1
		12.4050 - COUPLING, AIR COMP. DRIVE											
2A,C	**5141773**	COUPLING	1	1	1		1	1		1	1	1	
		12.4051 - SEAL, AIR COMPRESSOR DRIVE											
2B	**5131239**	SEAL (1.7660)											1
	5131131	SPACER, SEAL (1.7665)											1
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING											
2B	**9415285**	RING, LOCK (2 7/16" DIA.) (2.7470)											1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY											
2A,C	**2289944**	HOSE, FLEX. (10.50"L.) (7.4074)				1			1				
2A,C	**5133163**	HOSE, FLEX. (21"L.)								1			
2A,C	**5135077**	HOSE, FLEX. (23"L.)					1	1					
2A,C	**2308332**	HOSE, FLEX. (24"L.)		1									
2A,C	**5131146**	HOSE, FLEX. (25"L.)			1						1		
2A,C	**5126693**	HOSE, FLEX. (29"L.)	1									1	1
	118753	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)	1	1	1		1	1			1	1	1
	116453	ELBOW, 1/4" FL. TUBE 90 DEG.	1		1	1	1	1	1	1	1	1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 574	576	578	582	584	591	600	606	610	618	629
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)											
		(12.9390)											
	118748	CONNECTOR, 1/4" TUBE, 1/8" P.T. (12.9380)				1							
	125620	CONNECTOR, 1/4" TUBE, 1/8" P.T.								2			
	116436	CONNECTOR, 1/4" TUBE, 1/4" P.T. (12.9380)											1
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9750)		1									
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)				1			1				
	5177752	TEE, 1/8"X1/8"X1/4" (2.7890)				1							
	444148	TEE, 1/4"-18 PIPE (12.9616)		1									
	5129184	TEE, 1/4" PIPE (2.5149)											1
	5145010	PLUG, 1/4" PIPE (12.9550)		1									
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN											
2D	**5135293**	* HOSE, FLEX. (9"L.) (3.5525)											1
2D	**2337354**	HOSE, FLEX. (16 1/8" L.)				1			1				
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)											1
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)				1			1				1
	5113215	FITTING, MALE (5/8" HOSE X 1/2"-14) (12.6692)											1
	5113192	FITTING, MALE (5/8" HOSE X 7/8"-14) (12.6689)											1
	444004	ADAPTOR, 1/2" PIPE (12.9565)				1			1				
	5114551	TAG, CABLE (7.4545)											1
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE											
2A,C	**5131426**	CLIP (1/2" TUBE, 15/32" BOLT) (4.6040)											1
2A,C	**5161873**	CLIP (7/16" TUBE, 3/8" BOLT) (7.4412)	1					1				1	
2A,C	**5153473**	CLIP (1/2", 3/8" BOLT) (4.6040)		1	1		1				1		1
2A,C	**5151108**	CLIP (1/2" TUBE, 1/2" BOLT) (12.4095)	1							1		1	
2A,C	**5160629**	SPACER (13/32"X7/32" CLIP) (4.2270)	1		1		1	1			1	1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)								1			
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			1		1	1					
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)					1				1		
	186317	BOLT, 3/8"-24X5" (12.9001)	1									1	
	103341	WASHER, 3/8" FLAT (12.9190)								1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 574	576	578	582	584	591	600	606	610	618	629
	12.4080	**- CLIP, AIR COMPRESSOR LUBE OIL TUBE (CONT'D)**											
	103321	LOCKWASHER, 3/8" (12.9200)								1			
	102635	NUT, 3/8"-16 HEX. (12.9120)								1			
	12.4085	**- TUBE, AIR COMPRESSOR WATER INLET**											
2A,C	**5118149**	* HOSE, FLEX. (1"X3 1/2"L.)								1			
2A,C	**5129157**	* HOSE, FLEX. (10"L.) (12.4090)				1			1				
2A,C	**5129157**	* HOSE, FLEX. (12.50"L.)		1									
2A,C	**5129157**	* HOSE, FLEX. (16 7/8"L.)					1	1		1			
2A,C	**5129157**	* HOSE, FLEX. (24.50"L.)	1										
2A,C	**5129157**	* HOSE, FLEX. (27"L.)											1
2A,C	**5129157**	* HOSE, FLEX. (36.50"L.)			1								
2A,C	**5123317**	HOSE, FLEX. (44"L.) (4.4330)									1		
2A,C	**5129157**	* HOSE, FLEX. (47"L.) (4.4330)										1	
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)	1			1			1	1			1
	5181801	ELBOW, 3/4" SPECIAL (5.2161)								1			
	118752	CONNECTOR, 1/2" TUBE (12.9380)		1									
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)								1			
	5121825	FITTING, MALE (1/2" HOSE X 3/8"-18) (12.4090)	1			1			1	1			1
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4"- 16)		2	2		2	2			2	2	
	5173854	FITTING, MALE (1/2" HOSE X 3/4"-18) (12.4090)								1			
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4"- 16)	1			1			1				1
	444136	TEE, 3/8" PIPE (12.9616)	1	1			1	1					1
	144086	TEE, 3/4" PIPE (12.9616)								1			
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)		1						1			
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)								1			1
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
	12.4087	**- TUBE, AIR COMPRESSOR WATER CROSSOVER**											
2A,C	**5129157**	* HOSE, FLEX. (9"L.) (12.4090)		1									
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)		2									
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4" -16) (12.4085)		2									
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 574	576	578	582	584	591	600	606	610	618	629
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET											
2A,C	5129157	* HOSE, FLEX. (1/2"L.)								1			
2A,C	5129157	* HOSE, FLEX. (10"L.)				1			1				
2A,C	5125902	HOSE, FLEX. (16"L.) (2.5100)		1									
2A,C	5129157	* HOSE, FLEX. (27"L.)											1
2A,C	5129157	* HOSE, FLEX. (36.50"L.) (12.4085)			1		1	1					
2A,C	5123317	HOSE, FLEX. (44"L.) (4.4330)	1								1	1	
	120702	ELBOW, 3/8" STREET 45 DEG. (12.9590)						1					
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)							1				
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)				1							
	5130294	ELBOW, 1/2" TUBE 45 DEG., 3/4"-16 EXT.	1		1		1				1	1	
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)		1		1							1
	2325715	ELBOW, 1/2" TUBE 90 DEG. (3.5505)	1		1		1	1			1	1	
	225828	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9480)								2			
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)		1			1	1					
	5121825	FITTING, MALE (1/2" HOSE X 3/8"-18)				1			1	1			1
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4" -16) (12.4085)			2	1	2	2	1		2	2	1
	5173854	FITTING, MALE (1/2" HOSE X 3/4"-18) (12.3050)								2			
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)				1			1				1
	118536	DRAINCOCK, 3/8" (12.9510)	1	2		1			1				1
	5121182	PLUG, 1/4" PIPE (12.9550)		1						1			
	5154453	PLUG, 3/8"-16 SPECIAL (1.2001)		1									
	5142335	PLUG, SPECIAL (1.2001)								1			
	444867	PLUG, 3/8" PIPE (12.9550)						1					
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE											
2A,C	5171509	CLIP (5/8" TUBE X 3/8" BOLT) (9.1591)	3	1	3		3	3			4	3	
2A,C	5151189	CLIP (3/4" TUBE X 3/8" BOLT) (4.8040)		1						1			
2A,C	5173022	BRACKET, CLIP (5.5379)	1				1	2		1	1	2	
2A,C	5155464	BRACKET, CLIP (7.1582)		1									
2A,C	5173022	BRACKET, CLIP (5.5379)			3								
2A,C	5160629	SPACER (13/32"X7/32") (4.2270)						1					
	181595	BOLT, 5/16"-24X3/4" (12.9001)					1	1					
	179835	BOLT, 3/8"-16X5/8" (12.9001)									2		
	180120	BOLT, 3/8"-16X3/4" (12.9001)	1				1	1				3	
	180121	BOLT, 3/8"-16X7/8" (12.9001)			3								
	179839	BOLT, 3/8"-16X1" (12.9001)		1									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						1					

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 574	576	578	582	584	591	600	606	610	618	629
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE (CONT'D)											
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			1								
	186312	BOLT, 3/8"-24X4" (12.9001)		1									
	103341	WASHER, 3/8" (12.9190)	AR		AR			AR				AR	
	103320	LOCKWASHER, 5/16" (12.9200)		AR			AR	AR					
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR		AR	AR			AR	AR	
	114493	NUT, 5/16"-24 HEX. (12.9120)		1			1	1					
	102635	NUT, 3/8"-16 HEX. (12.9120)	1		3			1			1	2	
		12.4300 - STRAINER, AIR COMPRESSOR											
2A	5110411	STRAINER ASSY.	1				1			1			1
2A	5110410	* GASKET	1	1	1	1	1	1	1	1	1	1	1
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2				2			2			2
	103320	LOCKWASHER, 5/16" (12.9200)	2				2			2			2
		* FURNISHED WITH AIR COMPRESSOR.											
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET											
2A,C	5121773	TUBE ASSY. (DEV.L. 7 7/8")			1						1		
2A,C	5129583	TUBE (DEV. L. 9.50")			1						1		
2A,C	5123457	TUBE (DEV. L. 11 3/16")			1						1		
2A,C	5117747	HOSE, FLEX. (8 1/2"L.)				1							
2A,C	5126052	HOSE, FLEX. (10 1/2"L.)							1				
2A,C	5138542	* HOSE, FLEX. (24 1/4"L.)			1								
2A,C	5138542	* HOSE, FLEX. (30"L.)									1	1	
	5180273	GASKET (4.1520)			1						1		
	5150144	GASKET (4.1520)			2						2		
	5189769	FLANGE (ELBOW)				1			1				
	5132103	FLANGE										2	
	3291272	ELBOW, 3/8" TUBE, 1/2" PIPE 90 DEG. (1.1100)										1	
	5181801	ELBOW, 3/4"-1" PIPE (5.1261)	2						2				
	5186840	CLAMP, 1" HOSE (12.9660)							2				
	111607	CLAMP, 1 1/32" HOSE (12.9660)			2						2		
	9139801	CLAMP, 1 1/32" HOSE (12.9660)										2	
	5189051	CLAMP, 1 1/2" HOSE (12.9660)				2							
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)										1	
	114931	BOLT, 5/16"-18X11/16" (12.9001)			2						2		
	179816	BOLT, 5/16"-18X3/4" (12.9001)				2			2				
	186629	BOLT, 5/16"-18X1" (12.9001)										2	
	138232	BOLT, 5/16"-24X1" (12.9027)			1						1		
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)			2						2		
	120393	WASHER, 11/32"X11/16" (12.9190)			2						2		
	103320	LOCKWASHER, 5/16" (12.9200)			AR	AR			AR		AR	AR	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 574	576	578	582	584	591	600	606	610	618	629
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET (CONT'D)											
	214279	NUT, 5/16"-24 HEX. (12.9120)			1						1		
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
		12.4377 - CLIP, AIR COMPRESSOR BOOSTER INLET TUBE AND ELBOW ASSY.											
2A,C	**5155664**	CLIP (1" TUBE, 3/8" BOLT) (4.1570)			1						1		
2A,C	**5161874**	CLIP, 1 1/16" DIA. SPECIAL (7.3245)										1	
2A,C	**5111079**	BRACKET, CLIP (4.8042)										1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)										1	
	103320	LOCKWASHER, 5/16" (12.9200)										1	
	120376	NUT, 5/16"-18 HEX. (12.9120)										1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6638	6641	6653	6654	6660	6661	6662	6663	6664	6665	6666	6669
		12.4001 - COMPRESSOR ASSY., AIR												
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH *THEIR ASSY. PART NUMBER WHICH IS* SHOWN IN PARENTHESES).												
	NPN	COMPRESSOR (CUSTOMER FURNISHED)						1						
2A,C	5144303	# COMPRESSOR (#282397) (12 CFM)	1											
2A,C	5144302	# COMPRESSOR (#282389) (12 CFM)		1										
2A,C	5102067	COMPRESSOR (#285923) (12 CFM)			1		1		1	1	1			
2A,C	5144306	# COMPRESSOR (#282404) (24 CFM)				1								
2A,C	5138631	* COMPRESSOR (#280748) (12 CFM) (8921206)										1		
2A,C	5140728	* COMPRESSOR (#276615) (24 CFM) (5106991)											1	
2A,C	5106139	COMPRESSOR (PT #5504-A) (EL-740) (7 1/4" CFM)												1
	5145009	PLUG, 1/8" PIPE (12.9550)												AR
	5145014	PLUG, 3/8" PIPE (12.9550)										AR		AR
	5115214	PLUG, 1/2" HEX. (12.9550)										2		
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)			4		4		4	4	4			
	138269	BOLT, 7/16"-14X1 3/4" HEX. SKT. HD. (12.9027)										2		
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)										4		
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)										1		
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)				4								4
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	4	4										
	179893	BOLT, 1/2"-13X3" (12.9001)											4	
	103343	WASHER, 1/2" FLAT (12.9190)											4	
	103322	LOCKWASHER, 7/16" (12.9200)			4		4		4	4	4	6		
	103323	LOCKWASHER, 1/2" (12.9200)	4	4		4							4	4
	271500	NUT, 7/16"-14 HEX. (12.9120)										6		
	102637	NUT, 1/2"-13 HEX. (12.9120)											4	
		# USE 5145014 PLUG AND 5145009 PLUG AS REQUIRED.												
		* NOT SERVICED; FOR SERVICE USE ASSEMBLY SHOWN IN PARENTHESES.												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
2A,C	5104506	GASKET (1.5040)	1	1		1								1
2A,C	5131939	GASKET			1		1		1	1		1		
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
2D	5138478	BRACKET			1		1							
	5143874	BRACKET						1	1	1	1			
	5143857	BRACKET, SUPPORT (UPPER)						1	1	1	1		1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 638	641	653	654	660	661	662	663	664	665	666	669
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)												
	5143873	BRACKET, SUPPORT (LOWER)						1	1	1	1			
	5144155	BRACKET										1		
	5131445	BRACKET (FRONT)										1		
	5102275	BRACKET											1	
	5102273	BRACKET, SUPPORT											1	
	5143646	PLATE (SUPPORT)			1		1							
	5144156	PLATE (SUPPORT)										1		
	5143842	PLATE											1	
	5145417	PLATE			1		1	1	1	1	1			
	5136148	SHIM (.002")										AR		
	5136147	SHIM (.005")										AR		
	5126323	SHIM (.012") (4.4115)										AR		
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)											4	
	179837	BOLT, 3/8"-16X3/4" (12.9001)										1		
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2		2					2	8	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			4		4							
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)						6	6	6	6			
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)						2	2	2	2		2	
	5135182	BOLT, 3/8"-24X2 1/4" (ADJUSTING)			1		1			1				
	5143758	BOLT, 3/8"-24X2 3/4" (ADJUSTING) (12.9001)						1	1		1		1	
	186813	BOLT, 3/8"-24X6" SPECIAL (12.9001)										1		
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)			4		4	4	4	4	4	2		
	427564	BOLT, 7/16"-14X1 1/4" (12.9001)			2		2					1		
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						1	1	1	1			
	454947	BOLT, 7/16"-14X2" (12.9001)										1		
	5128076	BOLT, 7/16"-14X4" (ADJUSTING)			1		1	1	1	1	1			
	5143645	BOLT, 1/2"-13X3 1/4" (ADJUSTING)											1	
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)						2	2	2	2	1		
	220470	BOLT, 9/16"-12X1 3/4" (12.9001)						2	2	2	2			
	103341	WASHER, 3/8" FLAT (12.9190)			AR		AR	AR	AR	AR	AR	AR	AR	
	103342	WASHER, 7/16" FLAT (12.9190)			AR		AR	4	4	4	4			
	103343	WASHER, 1/2" (12.9190)											AR	
	5109949	WASHER (17/32"I.D.) (5.4025)										2		
	5159714	WASHER, 11/16"X1/8" (2.7290)											4	
	103320	LOCKWASHER, 5/16" (12.9200)											AR	
	103321	LOCKWASHER, 3/8" (12.9200)			AR		AR	AR	AR	AR	AR	AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)			AR		AR	AR	AR	AR	AR	AR		
	103323	LOCKWASHER, 1/2" (12.9200)										1		
	120898	LOCKWASHER, 9/16" (12.9200)						AR	AR	AR	AR		AR	
	102635	NUT, 3/8"-16 HEX. (12.9120)						2	2	2	2	1	2	
	117049	NUT, 3/8"-24 HEX. (12.9120)			1		1	1	1	1	1			
	441292	NUT, 7/16"-14 HEX. (LOCK) (12.9140)			1		1							
	102637	NUT, 1/2"-13 HEX. (12.9120)										1	1	
		12.4015 - PULLEY, AIR COMPRESSOR												
2D	5117740	PULLEY (1 GROOVE, 7.5" DIA.)			1		1							
2D	5133616	PULLEY (2 GROOVE, 5.00" DIA.)										1		
2D	5177009	PULLEY (2 GROOVE, 6.25" DIA.)						1	1	1	1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 638	641	653	654	660	661	662	663	664	665	666	669
		12.4015 - PULLEY, AIR COMPRESSOR (CONT'D)												
2D	**5162966**	PULLEY (2 GROOVE, 6.25" DIA.)											1	
	103385	PIN, 1/8"X1" COTTER (12.9250)			1		1	1	1	1	1	1		
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE												
2B	**5133615**	PULLEY (2 GROOVE, 5.00" DIA.)										1		
2B	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)										1		
2B	**272906**	NUT, 3/4"-16 HEX. LOCK (12.9140)										1		
		12.4020 - ADAPTOR, AIR COMPRESSOR												
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.												
2B	**5143537**	ADAPTOR												1
2B	**5131402**	RETAINER ASSY. (1.7645)										1		
	138291	SCREW, 1/2"-13X1 1/4" SKT. HD. (12.9027)												4
2B	**179858**	BOLT, 7/16"-14X1" (12.9001)										1		
2B	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)										4		
	5150568	WASHER, 7/16" FLAT COPPER (2.4050)										1		
2B	**103323**	LOCKWASHER, 1/2" (12.9200)										4		
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR												
2B	**5117061**	GASKET (1.5040)										1		1
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
2A,C	**5170450**	PLATE (STEEL) (1.7630)	1	1		1						1		1
	5122922	RETAINER (1.7207)												2
	5145092	BOLT, 3/8"-24X1.20" (SELF-LOCK)	4	4		4						4		4
	5125493	BOLT, 3/8"-24X1.44" (SHOULDER)												4
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
2A,C	**5144866**	HUB	1	1		1								1
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1	1		1								1
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		"P" INDICATES PREMIUM.												
2D	**5145730**	BELT (.785"X48.00"L.) "P"			1		1							
2D	**5126763**	BELT SET (2 BELTS, 40" L.) (1.3320)										1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6638	6641	6653	6654	6660	6661	6662	6663	6664	6665	6666	6669
		12.4045 - BELT, AIR COMPRESSOR DRIVE (CONT'D)												
2D	5134212	BELT SET (2 BELTS, 48" L.) (1.3320)						1	1	1	1			
2D	5135882	BELT SET (2 BELTS, 57" L.) "P" (7.1575)											1	
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE												
2B	5131130	SHAFT (1.7640)										1		
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT												
2B	907191	BEARING (N.D. 5206W.) (1.7655)										1		
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
2A,C	5141773	COUPLING	1	1		1								
2A,C	2394275	COUPLING												1
		12.4051 - SEAL, AIR COMPRESSOR DRIVE												
2B	5131329	SEAL (1.7660)										1		
	5131131	SPACER, SEAL (1.7665)										1		
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING												
2B	9415285	RING, LOCK (2 7/16" DIA.) (2.7470)										1		
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
2A,C	2289944	HOSE, FLEX. (10.50"L.) (7.4074)			1		1							
2A,C	2308332	HOSE, FLEX. (24" L.)				1								
2A,C	5138467	HOSE, FLEX. (25 1/2" L.)	1											
2A,C	5126693	HOSE, FLEX. (29" L.)		1								1		
2A,C	5136052	HOSE, FLEX. (31" L.)							1	1	1			
2A,C	5126692	HOSE, FLEX. (32" L.)											1	
	225815	ELBOW, INV. FL. TUBE 90 DEG. (12.9480)	1											1
	118753	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9480)		1		1						1	1	
	116453	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)		1	1		1		1	1	1			
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)												1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6381	6411	6531	6541	6601	6611	6622	6633	6644	6655	6666	6699
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)												
	118748	CONNECTOR, 1/4" TUBE 1/8" P.T. (12.9380)			1		1							
	116436	CONNECTOR, 1/4" TUBE 1/4" P.T. (12.9380)										1		
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)				1							1	
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)			1		1		1	1	1			
	5177752	TEE, 1/8"X1/8"X1/4" (2.7890)			1		1							
	5129184	TEE, 1/4" PIPE 2.5149)	1									1		
	5145010	PLUG, 1/4" PIPE (12.9550)				1								
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
2D	**5113483**	* HOSE, FLEX. (9" L.) (3.5525)										1		
2D	**2337354**	HOSE, FLEX. (16 1/8" L.)			1		1							
2D	**5109830**	HOSE, FLEX. (19 7/8" L.)							1	1	1			
2D	**5133330**	HOSE, FLEX. (21" L.) (9.1592)											1	
	116487	CONNECTOR, 5/8" TUBE (12.9380)							1	1	1			
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)							1	1	1	1		
	9402801	ELBOW, 5/8"-45 DEG. TUBE (12.9600)											1	
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)			1		1					1		
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)			1		1		1	1	1			
	444004	ADAPTOR, 1/2" PIPE (12.9565)			1		1							
	5113215	FITTING, HOSE (1/2"-14) (12.6692)										1		
	5113192	FITTING, HOSE (7/8"-14 SWIVEL) (12.6689)										1		
		* NOT SERVICED, USE 5135293 AND CUT TO DESIRED LENGTH.												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
2A,C	**5161873**	CLIP, 7/16" (7.4412)		1										
2A,C	**5153473**	CLIP, 1/2" (4.6040)	1			1			2	2	2	1		1
2A,C	**5151108**	CLIP, 1/2" (12.4095)		1									1	
2A,C	**5131426**	CLIP, 1/2" (4.6040)										1		
2A,C	**5127861**	BRACKET, CLIP (7.1587)	1											
2A,C	**5176400**	BRACKET, CLIP (4.8010)												1
2A,C	**5114551**	TAG, CABLE (7.4545)												1
2A,C	**5160629**	SPACER (13/32"X7/32" CLIP) (4.2270)	1	1										1
	180121	BOLT, 3/8"-16X7/8" (12.9001)	1						2	2	2			1
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	1											1
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)	1											
	186317	BOLT, 3/8"-24X5" (12.9001)		1										

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6388	6401	6531	6541	6601	6611	6622	6633	6644	6655	6666	6699
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE (CONT'D)												
	103341	WASHER, 3/8" FLAT (12.9190)	1						2	2	2			1
	103321	LOCKWASHER, 3/8" (12.9200)	1						2	2	2			1
	102635	NUT, 3/8"-16 HEX. (12.9120)	1											1
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
2A,C	5118149	* HOSE, FLEX. (3 1/2" L.) (4.1642)	1											1
2A,C	5129157	* HOSE, FLEX. (10" L.) (8.3830)				1								
2A,C	5188017	HOSE, FLEX. (12" L.) (8.3830)			1		1		1					
2A,C	5129157	* HOSE, FLEX. (16 7/8" L.) (8.3830)				1								
2A,C	5108553	HOSE, FLEX. (17 3/8" L.) (12.4090)											1	
2A,C	5129157	* HOSE, FLEX. (23" L.) (8.3830)	1											1
2A,C	5129157	* HOSE, FLEX. (24 1/2" L.) (8.3830)								1	1			
2A,C	5129157	HOSE, FLEX. (36 1/2" L.)										1		
2A,C	5123318	HOSE, FLEX. (47" L.) (4.4330)		1										
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)				1							1	
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)							1					
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)	2	2		2	1			1	1	1	2	1
	5130294	ELBOW, 1/2" TUBE X 3/4" P.T., 45 DEG. (12.4090)							1					
	5181801	ELBOW, 3/4" SPECIAL (5.2161)	1											1
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)							1	1	1			
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)	1											1
	5121825	FITTING, HOSE 3/8"-18				1						1		
	5173854	FITTING, HOSE 3/4"-18				1								
	5120020	FITTING, HOSE (1/2"X3/4"-16)	2	2						2	2	1		2
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)	1							1	1			1
	444136	TEE, 3/8" PIPE (12.9616)				1						1		
	120280	TEE, 3/8" PIPE (12.9616)							1	1	1			
	144086	TEE, 3/4" PIPE (12.9616)				1								1
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)	1							1	1	1		1
	5186840	CLAMP (12.9660)	2											
	118536	DRAINCOCK, 3/8" (12.9510)								1	1	1		
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4087 - TUBE, AIR COMPRESSOR WATER CROSSOVER												
2A,C	5188017	HOSE, FLEX. (12" L.) (8.3830)											1	
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)											1	
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
2A,C	5109116	HOSE, FLEX. (10" L.)								1	1			
2A,C	5188017	HOSE, FLEX. (12" L.) (8.3830)			1		1		1				1	
2A,C	5129157	* HOSE, FLEX. (14" L.) (8.3830)				1								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6038	6041	6053	6054	6060	6061	6062	6063	6064	6065	6066	6069
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)												
2A,C	**5129157**	* HOSE, FLEX. (16 7/8" L.) (8.3830)	1											1
2A,C	**5124363**	# HOSE, FLEX. (19" L.)				1								
2A,C	**5109117**	HOSE, FLEX. (27" L.)										1		
2A,C	**5123317**	HOSE, FLEX. (44" L.) (4.4330)		1										
	118754	ELBOW, 5/16"-90 DEG. FL. TUBE (12.9390)												1
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)			1		1		1	1	1			
	444056	ELBOW, 3/8"-45 DEG. STREET				1								
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)											1	
	5130294	ELBOW, 1/2" TUBE 45 DEG., 3/4"-16 EXT.		1										
	2325715	ELBOW, 1/2" TUBE 90 DEG. (3.5505)		1								1		
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	1		1	1	1		1	1	1	1	1	
	118752	CONNECTOR, 1/2" FL. TUBE (12.9480)	1			1								1
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4" -16) (12.4085)	2	2		1				1	1	1		2
	5121825	FITTING, MALE (1/2" HOSE X 3/8"-18) (12.4085)								1	1	1		
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)	1			1			1					1
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)			1		1		1	1	1	1		
	144034	BUSHING, 3/4"X1/2" RED.											1	
	118536	DRAINCOCK, 3/8" (12.9510)			1	1	1					1		
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		# NOT SERVICED, USE 5108744 HOSE AND INCLUDE 1-137425 ELBOW TO INSURE INTERCHANGEABILITY.												
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
2A,C	**5171509**	CLIP (5/8"X3/8" BOLT) (9.1591)		3										
2A,C	**5151189**	CLIP, 3/4" (4.8040)	1			1						3		1
2A,C	**5173022**	SUPPORT, CLIP (5.5379)		2										
	179837	BOLT, 3/8"-16X3/4" (12.9001)		2										
	103341	WASHER, 3/8" (12.9190)		2										
	103321	LOCKWASHER, 3/8" (12.9200)		2										
	102635	NUT, 3/8"-16 HEX. (12.9120)		2										
		12.4300 - STRAINER, AIR COMPRESSOR												
2A	**5110411**	STRAINER ASSY.		1										1
2A	**5110410**	* GASKET		1										1
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		2										2

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 638	641	653	654	660	661	662	663	664	665	666	669
	12.4300	**- STRAINER, AIR COMPRESSOR (CONT'D)**												
	103320	LOCKWASHER, 5/16" (12.9200)		2										2
		* FURNISHED WITH AIR COMPRESSOR.												
	12.4305	**- GOVERNOR, AIR COMPRESSOR**												
	5144307	KIT, GOVERNOR												AR
	12.4375	**- TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET**												
2A,C	**5129024**	HOSE, FLEX. (9 1/2" L.)				1								
2A,C	**5118113**	HOSE, FLEX. (13 1/4" L.)			1		1							
2A,C	**5129153**	HOSE (1" I.D. X 25 1/2" L.) (12.4090)							1	1	1			
2A,C	**5145499**	* HOSE, FLEX. (33" L.)											1	
2A,C	**5132103**	FLANGE				2							2	
	5189769	ELBOW			1		1		1	1	1			
	3291272	ELBOW, 1/2"-90 DEG. (1.1100)											2	
	140798	ELBOW, 3/4"-45 DEG. STREET			1									
	5181801	ELBOW, 3/4"-1" PIPE (5.1261)			1		1		2	2	2			
	5177664	ADAPTOR, 3/4" PIPE			1									
	5157702	CLIP, 1" (4.8040)											1	
	2337379	CLAMP, 1 1/2" HOSE (12.9660)			2		2		2	2	2		2	
	5189415	CONNECTOR, 3/4" PIPE, 1" HOSE (12.4375)			1									
	5127041	CONNECTOR, 3/4" PIPE 25 DEG. (5.1235)					1							
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)											1	
	5142549	PLUG, 3/4" PIPE (12.9550)				1							1	
	5188248	BRACKET, CLIP (7.1606)											1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)			2		2		4	4	4		4	
	186625	BOLT, 5/16"-18X7/8" (12.9001)				2								
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				4								
	103320	LOCKWASHER, 5/16" (12.9200)			AR	AR	AR		AR	AR	AR			
	103321	LOCKWASHER, 3/8" (12.9200)											1	
		* NOT SERVICED; USE 5138542 (#12X73 1/2"L.).												
	12.4380	**- GASKET, AIR BOOSTER INLET TUBE ELBOW TO AIR COMPRESSOR**												
2A,C	**5110410**	+ GASKET (12.4300)			1	2	1		1	1	1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 670	678	679	680	681	688	691	692	694	699	700	712
		12.4001 - COMPRESSOR ASSY., AIR												
		* FOR TYPE 672 USE TYPE 854.* NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES).												
2A	5144303	# COMPRESSOR (#282397) (12 CFM)	1											
2D	5102066	COMPRESSOR (#285924) (12 CFM)				1	1					1	1	1
2A	5144306	# COMPRESSOR (#282404) (24 CFM)							1					
2A	5106139	COMPRESSOR (PT #N-5504-A) (EL-740) (7 1/4" CFM)									1			
2A	5106140	COMPRESSOR (PT #N-5504-B) (EL-740) (7 1/4" CFM)		1						1				
	5101018	COMPRESSOR (#285977)			1			1						
	5136170	* LEVER, SELECTOR VALVE (9.1175)								1				
	5145009	PLUG, 1/8" PIPE (12.9550)									AR	AR	AR	
	5115214	PLUG, 1/2" PIPE (12.9550)									AR	AR	AR	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				4								
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)						1						
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	4	4	4				4	4	4			
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)						4						
	103322	LOCKWASHER, 7/16" (12.9200)				4								
	103323	LOCKWASHER, 1/2" (12.9200)	4	4	4				4	4	4			
		# USE 5145014 PLUG AND 5145009 PLUG AS REQUIRED.												
		* REPLACES SELECTOR VALVE LEVER ON MARINE APPLICATIONS.												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
	5104506	GASKET (1.5040)	1	1	1				1	1	1			
	5131939	GASKET										1	1	
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
2D	5138478	BRACKET				1								
	5143874	BRACKET										1	1	1
	5143857	BRACKET, SUPPORT (UPPER)					1					1	1	1
	5143873	BRACKET, SUPPORT (LOWER)					1					1	1	1
	5143874	BRACKET					1							
	5143646	PLATE (SUPPORT)				1								
	5145417	PLATE				1	1					1	1	1
	179839	BOLT, 3/8"-16X1" (12.9001)					2							
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				2								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				4								
	454906	BOLT, 0/8"-16X1 1/2" (12.9001)					4					6	6	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)					2					2	2	2

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 670	678	679	680	681	688	691	692	694	699	700	712
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)												
	5135182	BOLT, 3/8"-24X2 1/4" (ADJUSTING)				1	1							
	5143758	BOLT, 3/8"-24X2 3/4" (ADJUSTING) (12.9001)										1	1	1
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				4	11					10	10	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)				2								
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)										1	1	1
	5128076	BOLT, 7/16"-14X4" (12.9001)				1	1					1	1	1
	220470	BOLT, 9/16"-12X1 3/4" (12.9001)										2	2	2
	103341	WASHER, 3/8" FLAT (12.9190)				AR	AR					AR	AR	AR
	103342	WASHER, 7/16" FLAT (12.9190)				AR	4					4	4	4
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR					AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)				AR	AR					AR	AR	AR
	120898	LOCKWASHER, 9/16" (12.9200)										AR	AR	AR
	102635	NUT, 3/8"-16 HEX. (12.9120)					2					2	2	2
	117049	NUT, 3/8"-24 HEX. (12.9120)				1	1					1	1	1
	441292	NUT, 7/16"-14 HEX. (LOCK) (12.9140)				1								
		12.4015 - PULLEY, AIR COMPRESSOR												
	5117740	PULLEY (1 GROOVE, 7.5" DIA.)				1								
	5177009	PULLEY (2 GROOVE, 6.25" DIA.)					1					1	1	1
	103385	PIN, 1/8"X1" COTTER (12.9250)				1	1					1	1	1
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
2A,B	5170450	PLATE (STEEL) (1.7630)	1	1	1			1	1	1	1			
	5145092	BOLT, 3/8"-24X1.20" (SELF-LOCK)		4	4			4	4	4	4			
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
	5144866	HUB	1	1	1			1	1	1	1			
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1	1	1			1	1	1	1			
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		"P" INDICATES PREMIUM.												
	5145730	BELT (.785"X48.00"L.) "P"				1								
	5134212	BELT SET (2 BELTS, 48"L.) (1.3320)					1					1	1	1
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
2A	5141773	COUPLING	1	1	1			1	1	1	1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 670	678	679	680	681	688	691	692	694	699	700	712
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
2A	2289944	HOSE, FLEX. (10.50"L.) (7.4074)				1								
2A	5138467	HOSE, FLEX. (25 1/2"L.)	1	1	1			1	1	1	1			
2A	5136052	HOSE, FLEX. (31" L.)					1					1	1	1
	225815	ELBOW, INV. FL. TUBE 90 DEG. (12.9480)	1	1	1			1	1	1	1			
	116453	ELBOW, 1/4" FL. TUBE 90DEG.(12.9390)				1	1					1	1	1
	118748	CONNECTOR, 1/4" TUBE 1/8" P.T. (12.9380)				1								
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)				1	1					1	1	
	444000	ADAPTOR, PIPE 1/4"-18 (12.9460)						1						
	5177752	TEE, 1/8"X1/8"X1/4" (2.7890)				1								
	5129184	TEE, 1/4" PIPE (2.5149)				1		1						
	444148	TEE, 1/4" PIPE (12.9616)	1	1	1				1					
	5145009	PLUG, 1/8" PIPE (12.9550)	1	1	1				1					
	5121182	PLUG, 1/4" PIPE (12.9550)	1		1			1						
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
2D	2337354	HOSE, FLEX. (16 1/8" L.)				1								
2D	5109830	HOSE, FLEX.(19 7/8" L.)					1					1	1	1
	116487	CONNECTOR, 5/8" TUBE (12.9380)					1					1	1	1
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)					1					1	1	1
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)				1								
	144034	BUSHING 3/4"X 1/2" RED. PIPE (12.9570)				1						1	1	
	444004	ADAPTOR, 1/2" PIPE (12.9565)				1								
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	5153473	CLIP, 1/2" (4.6040)	1	1	1		2	1	1	1	1	2	2	2
	5176400	BRACKET, CLIP (4.8010)	1	1	1			1	1	1	1			
	5114551	TAG, CABLE (7.4545)	1	1	1		1	1	1	1				1
	5160629	SPACER (13/32"X7/32" CLIP) (4.2270)	1	1	1			1	1	1	1			
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1	1	1		2	1	1	1	1	2	2	2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)								1				
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	1	1	1			1	1					
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)		1	1			1	1	1	1			
	103341	WASHER, 3/8" FLAT (12.9190)	1	1	1		2		1	1	1	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1		2	1	1	1	1	2	2	2
	102635	NUT, 3/8"-16 HEX. (12.9120)	1	1	1			1	1	1	1			
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
	5118149	* HOSE, FLEX. (3 1/2"L.) (4.1642)								1				
	5188017	HOSE, FLEX. (12" L.) (8.3830)				1						1		
	5129157	* HOSE, FLEX. (23" L.) (8.3830)		1					1	1	1			

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 670	678	679	680	681	688	691	692	694	699	700	712
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
	5129157	* HOSE, FLEX. (24 1/2" L.) (8.3830)			1			1				1		
2C	5129157	* HOSE, FLEX. (27" L.) (8.3830)					1							1
	5129157	* HOSE, FLEX. (30 1/2" L.) (8.3830)	1											
	444002	ADAPTOR,-3/8" (4.6020)		1										
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)		1	1			1			1			
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)											1	
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)	1	1	1	1	2	2	1	1	1	1		1
	137425	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)				1								
	5130294	ELBOW, 1/2" TUBE X 3/4" P.T., 45 DEG. (12.4090)											1	
	5181801	ELBOW, 3/4" SPECIAL (5.2161)								1				
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)										1	1	
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)								1				
	5120020	FITTING, HOSE (1/2"X3/4"-16)	2	2	2		2	2	2	2	2	2		1
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)	1	1	1			1	1	1		1		
	444136	TEE, 3/8" PIPE (12.9616)	1	1	1				1					
	120280	TEE, 3/8" PIPE (12.9616)										1	1	
	144086	TEE, 3/4" PIPE (12.9616)								1				
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)	1	1	1		1	1	1	1	1	1		1
	118536	DRAINCOCK, 3/8" (12.9510)	1	1	1	1			1			1		
	5145014	PLUG, 3/8" PIPE SKT. HD. (12.9550)	AR	AR	AR				AR	AR				
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4087 - TUBE, AIR COMPRESSOR WATER CROSSOVER												
	5129157	* HOSE, FLEX. (10" L.) (8.3830)							1			1		
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)							2			2		
	5120020	FITTING, HOSE (1/2"X3/4"-16) (12.4085)							2			2		
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
	5109116	HOSE, FLEX. (10" L.)					1							1
	5188017	HOSE, FLEX. (12" L.) (8.3830)				1							1	
	5129157	* HOSE, FLEX. (12 1/2" L.) (8.3830)						1		1				
	5129157	* HOSE, FLEX. (16 7/8" L.) (8.3830)		1	1				1		1			
	5133016	HOSE, FLEX. (30 1/2" L.) (12.4090)	1											
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)				1						1	1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 670	678	679	680	681, 688	691	692	694	699	700	712
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)											
	444056	ELBOW, 3/8"-45 DEG. STREET	1										
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)		1	1	1	2	1	1	1	1	2	2
	118752	CONNECTOR, 1/2" FL. TUBE (12.9480)	2	1	1			1	1	1	1		
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4" -16) (12.4085)	2	1	2		2	2	2	2	2		2
	5121825	FITTING, MALE (1/2" HOSE X 3/8" -18) (12.4085)									1		
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)	1		1								
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)				1	1				1	1	1
	118536	DRAINCOCK, 3/8" (12.9510)	1										
	5121182	PLUG, 1/4 PIPE (2.4015)		1				1	1	1			
	5142335	PLUG, 3/8"X2" DIA.		1				1	1	1			
	5103922	PLUG, 3/8" SPL. (1.2001)					1						
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE											
	5151189	CLIP, 3/4" (4.8040)	2	1	1		1	1	1	1			
		12.4300 - STRAINER, AIR COMPRESSOR											
2A	5110411	STRAINER ASSY.							1				
2A	5110410	* GASKET							1				
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)							2				
	103320	LOCKWASHER, 5/16" (12.9200)							2				
		* FURNISHED WITH AIR COMPRESSOR.											
		12.4305 - GOVERNOR, AIR COMPRESSOR											
	5144307	KIT, GOVERNOR							AR				
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET											
2C	5140507	TUBE (12.6408)									1	1	
2C	5144013	* HOSE, FLEX. (11" L.)	1	1	1			1		1			
2C	5144654	+ HOSE (1" I.D. X 15 1/2" L.) (5129153)									1	1	
2C	5141755	HOSE (1" I.D. X 20" L.)									1	1	
2A	5145499	* HOSE, FLEX. (33" L.)					1						1
2A	5139642	HOSE, FLEX. (42" L.)				1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 670	678	679	680	681	688	691	692	694	699	700	712
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET (CONT'D)												
2A	**5132103**	FLANGE	1			1	2	1	1			2	2	2
2A	**5144179**	FLANGE		1	1				1		1			
2A	**3291272**	ELBOW, 1/2"-90 DEG. (1.1100)				2								2
2A	**140798**	ELBOW, 3/4"-45 DEG. STREET	1									1	1	
2A	**5181801**	ELBOW, 3/4"-1" PIPE (5.1261)					2					2	2	
2A	**5176705**	ELBOW, 3/4"-90 DEG. CROSS (8.3800)	1											
2A	**5177664**	ADAPTOR, 3/4" PIPE	2											
2A	**5126728**	FITTING, HOSE (1 1/16"-14 SWIVEL)	1											
	5155664	CLIP, 1" (4.1570)					1					1	1	1
	5157702	CLIP, 1" (4.8040)				1								
	9139801	CLAMP, 5/8" (12.9660)		2	2	2			2		2			
	2337379	CLAMP, 1 1/2" HOSE (12.9660)					2					4	4	2
	5177218	CONNECTOR, 3/4" STR. PIPE (5.1235)										1	1	
	189837	CONNECTOR, 3/4" TUBE (12.9460)		1	1				1		1			
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)				1	1							1
	5142549	PLUG, 3/4" PIPE (12.9550)	1						1					
	179816	BOLT, 5/16"-18X3/4" (12.9001)										4	4	
	186629	BOLT, 5/16"-18X1" (12.9001)				2		2						
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2	2	2		2		4		2			2
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR
		* NOT SERVICED; USE 5138542 (#12X73 1/2"L.).												
		+ NOT SERVICED; USE NUMBER IN PARENTHESES PLUS PRINT 5139800 FOR CUSTOMER REWORK.												
		12.4380 - GASKET, AIR BOOSTER INLET TUBE ELBOW TO AIR COMPRESSOR												
2C	**5110410**	+ GASKET (12.4300)	1											
		+ FURNISHED WITH AIR COMPRESSOR.												

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	720	721	730	731	738	739	740	741	742	743	744
		12.4001 - COMPRESSOR ASSY., AIR												
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES).												
2C	5144306	COMPRESSOR (#282404) (24 CFM)	1				1							
2A	5144303	COMPRESSOR (#282397) (12 CFM)		1										
	5106139	COMPRESSOR (PT #N-5504-A) (EL-740) (7 1/4" CFM)			1									
2A	5102067	COMPRESSOR (#277624) (12 CFM)				1								
	5106138	COMPRESSOR (#N-5309A) (EL-740) (7 1/4 CFM)						1	1					
2A	5102067	COMPRESSOR (#285923) (12 CFM)								1	1	1	1	
2A	5102066	COMPRESSOR (#285924) (12 CFM)									1			
	118536	DRAINCOCK, 3/8" (12.9510)						1	1	1	1	1	1	1
	5145009	PLUG, 1/8" PIPE SKT. HD. (12.9027)						1	1		1	1	1	1
	5145014	PLUG, 3/8" PIPE SKT. HD. (12.9027)						6	6	6	6	6	6	6
	444042	ELBOW, 3/8"-90 DEG. STREET (BTM. FRT.)												1
	444258	TEE, 3/8" PIPE (CYL. BLK. FRT. DRN.)												1
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)							6	6	6	6	6	6
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)				4								
	138269	BOLT, 7/16"-14X1 3/4" HEX. SKT. HD. (12.9027)				2								
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)			4									
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4	4			4							
	103322	LOCKWASHER, 7/16" (12.9200)							6		6	6	6	6
	103323	LOCKWASHER, 1/2" (12.9200)	4	4	4		4							
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
2A	5104506	GASKET (1.5040)	1	1	1		1							
2A	5131939	GASKET				1		1	1	1	1	1	1	1
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
2D	5144155	BRACKET				1								
	5131445	BRACKET (FRONT)				1								
	5138478	BRACKET						1	1	1	1	1	1	1
	5144156	PLATE (SUPPORT)				1								
	5145417	PLATE (SUPPORT)						1	1	1	1	1	1	1
	5136148	SHIM (.002")				AR								
	5136147	SHIM (.005")				AR								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	720	721	730	731	738	739	740	741	742	743	744
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)												
	5126323	SHIM (.012")				AR								
	5160629	SPACER, 13/32"X7/32" (4.2270)	6											
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						2	2	2	2	2	2	2
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	1											
	5135182	BOLT, 3/8"-24X2 1/4"						1	1	1	1	1	1	1
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)	1											
	186813	BOLT, 3/8"-24X6" (12.4010)				1								
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				2		10	4	4	4	4	4	
	427564	BOLT, 7/16"-14X1 1/4" (12.9001)				1		2	2	2	2	2	2	2
	454947	BOLT, 7/16"-14X2 1/4" (12.9001)				1								
	5128076	BOLT, 7/16"-14X4"						1	1	1	1	1	1	1
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)				1								
	103341	WASHER, 3/8" (12.9190)				AR								
	103342	WASHER, 7/16" FLAT (12.9190)						AR	AR	AR	AR	AR	AR	AR
	5109949	WASHER (17/32"I.D.) (5.4025)				2								
	103321	LOCKWASHER, 3/8" (12.9200)						AR	AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)				AR		AR	AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)				1								
	117049	NUT, 3/8"-24 HEX. (12.9120)						1	1	1	1	1	1	1
	271500	NUT, 7/16"-14 HEX. (12.9120)				6								
	441292	NUT, 7/16"-14 LOCK (12.9120)						1	1	1	1	1	1	1
	102637	NUT, 1/2"-13 HEX. (12.9120)				1								
		12.4015 - PULLEY, AIR COMPRESSOR												
2D	5117740	PULLEY (1 GROOVE, 7.50" DIA.)							1	1	1	1	1	1
2D	5133616	PULLEY (2 GROOVES, 5.00" DIA.)				1								
2D	124549	KEY, 3/16"X3/4" (12.9350)				1								
	103385	PIN, 1/8"X1" COTTER (12.9250)						1	1	1	1	1	1	1
2D	451082	NUT, 3/4"-16 LOCK (12.9140)				1								
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE												
2D	5133615	PULLEY (2 GROOVES, 5.00" DIA.)				1								
		12.4020 - ADAPTOR, AIR COMPRESSOR												
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.												
	5143537	ADAPTOR		1	1									
2D	5131402	RETAINER ASSY. (1.7645)				1								
	138291	SCREW, 1/2"-13X1 1/4" SKT. HD. (12.9027)		4	4									

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	720	721	730	731	738	739	740	741	742	743	744
		12.4020 - ADAPTOR, AIR COMPRESSOR (CONT'D)												
2B	179858	BOLT, 7/16"-14X1" (12.9001)				1								
2D	179882	BOLT, 1/2"-13X1 1/8" (12.9001)				4								
2B	103323	LOCKWASHER, 1/2" (12.9200)				4								
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR												
2B	5117061	GASKET (1.5040)		1	1									
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
2A	5170450	PLATE (STEEL) (1.7630)	1	1	1	1	1							
	5140814	SPACER (.20" THK.)		1	1									
2D	5145092	BOLT, 3/8"-24X1.20" (SHOULDER)	4			4	4							
2A	5145091	BOLT, 3/8"-24X1.38" (SHOULDER)		4	4									
	5150568	WASHER, 7/16" FLAT COPPER (2.4050)				1								
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
2A	5144866	HUB	1	1	1		1							
2A	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1		1		1							
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		"P" INDICATES PREMIUM.												
2D	5145730	BELT (.785"X48.00"L.) "P"						1	1	1	1	1	1	1
2D	5126763	BELT SET (2 BELTS, 40" L.) (1.3320)				1								
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE												
2B	5131130	SHAFT (1.7640)				1								
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
2A	5141773	COUPLING	1				1							
2A	2394275	COUPLING		1	1									
		12.4051 - SEAL, AIR COMPRESSOR DRIVE												
	5131131	SPACER, SEAL (1.7665)				1								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	720	721	730	731	738	739	740	741	742	743	744
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
2A	**2289944**	HOSE, FLEX. (10 1/2" L.) (7.4074)						1	1	1	1	1	1	1
2A	**5109926**	HOSE, FLEX. (25" L.)	1											
2A	**5138467**	HOSE, FLEX. (25" L.)		1	1		1							
2A	**5136052**	HOSE, FLEX. (31" L.)				1								
	444052	ELBOW, 1/8"-45 DEG. STREET (12.9590)						1						
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)	1			1								
	225815	ELBOW, INV. FL. TUBE 90 DEG. (12.9480)		1	1		1							
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)	1			1		1						
	116453	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)						1	1	1	1	1	1	1
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)				1			1					
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)						1	1	1	1	1	1	1
	444000	ADAPTOR, 1/4" PIPE (12.9460)		1			1							
	2191465	TEE, SPECIAL (7.8295)	1											
	5177752	TEE, 1/8"X1/8" INT. X 1/4" EXT.						1		1	1			
	178996	TEE, 1/8" PIPE (12.9616)						1						
	444148	TEE, 1/4" PIPE (12.9616)		1	1									
	5129184	TEE, 1/4" PIPE (2.5149)					1							
	444134	TEE, 1/4" PIPE (12.9490)							1					
	5182120	NIPPLE (1/8"X.76") (7.4074)										1		
	105418	CROSS, 1/8" PIPE - 4 WAY										1		
	118748	CONNECTOR, 1/4" TUBE, 1/8" PIPE (12.9380)						1		1	1			
	5145009	PLUG, 1/8" PIPE SKT. HD. (12.9550)	1	1	1		1					2		
	5121182	PLUG, 1/4" PIPE (12.9550)	1		1		1							
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
2A	**5131358**	HOSE, FLEX. (12"L.) (3.5505)										1		
2A	**2337354**	HOSE, FLEX. (16 1/8" L.)						1	1	1	1		1	1
2A	**5189496**	* HOSE, FLEX. (36"L.) (5.7090)				1								
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)				1		1	1	1	1	1	1	1
	5113215	FITTING, MALE 5/8" HOSE X 1/2"-14 (12.6692)				1								
	5113192	FITTING, MALE 5/8" HOSE X 7/8"-14 (12.6689)				1								
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)									1			
	444004	ADAPTOR, 1/2" PIPE (12.9565)						1	1	1	1		1	1
		* NOT SERVICED, USE 5135293 AND CUT TO DESIRED LENGTH.												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	5153473	CLIP, 1/2" (4.6040)	1	1	1		1							
	5157702	CLIP, 1" TUBE, 3/8" BOLT (4.8040)				1								
	5176400	BRACKET, CLIP (4.8010)	1	1	1		1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	720	721	730	731	738	739	740	741	742	743	744
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE (CONT'D)												
	5160629	SPACER, 13/32"X7/32" CLIP (4.2270)		1	1		1							
	5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)				1								
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1	1	1		1							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1	1									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				1								
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)					1							
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)					1							
	103341	WASHER, 3/8" (12.9190)	AR	AR	AR		AR							
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR							
	102635	NUT, 3/8"-16 (12.9120)	1	1	1		1							
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
2C	5118149	* HOSE, FLEX. (3 1/2"L.) (4.1642)			1									
2C	5129157	* HOSE, FLEX. (10"L.) (8.3830)						1		1		1	1	1
2C	5188017	HOSE, FLEX. (12"L.)									1			
2C	5129157	* HOSE, FLEX. (23"L.) (8.3830)					1							
2C	5129157	* HOSE, FLEX. (24 1/2"L.) (8.3830)		1										
2C	5129157	* HOSE, FLEX. (27" L.) (8.3830)			1									
2C	5129157	* HOSE, FLEX. (29"L.) (8.3830)	1											
2C	5129157	* HOSE, FLEX. (38"L.) (8.3830)				1								
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)		1		1	1					1		
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	1	1	1	1	2	1		1	1	1		1
	5181801	ELBOW, 3/4" SPECIAL (5.2161)			1									
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)			1									
	5121825	FITTING, HOSE 3/8"-18						1		2			1	1
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4" -16)	2	2	2	2	2	2		2		1	1	1
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)	1	1	1									
	444150	TEE, 3/8" PIPE (12.9490)	1											
	444136	TEE, 3/8" PIPE (12.9616)		1										
	144086	TEE, 3/4" PIPE (12.9616)			1									
	444258	TEE, 3/8" PIPE (12.9616)										1		
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)	1	1	1	1	1							
	118536	DRAINCOCK, 3/8" (12.9510)	1	1								1		
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4087 - TUBE, AIR COMPRESSOR WATER CROSSOVER												
2C	5129157	* HOSE, FLEX. (10"L.) (8.3830)					1							
2C	5129157	HOSE, FLEX. (14"L.) (8.3830)	1						1					
2C	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	2				2		1				1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	720	721	730	731	738	739	740	741	742	743	744
		12.4087 - TUBE, AIR COMPRESSOR WATER CROSSOVER (CONT'D)												
2C	5121825	FITTING, MALE (1/2" HOSE X 3/8"-18)							1					
2C	5120020	FITTING, FEMALE (1/2" HOSE X 3/4" -16) (12.4085)	2				2		2					
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
2A	5129157	* HOSE, FLEX. (10"L.) (8.3830)						1	1	1		1	1	1
2A	5129157	* HOSE, FLEX. (11"L.) (8.3830)		1							1			
2A	5188017	HOSE, FLEX. (12"L.)					1							
2A	5129157	* HOSE, FLEX. (16"L.) (8.3830)	1											
2A	5129157	* HOSE, FLEX. (19"L.) (8.3830)				1								
2A	5129157	* HOSE, FLEX. (29"L.) (8.3830)						1	1		1			
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)								1		1	1	1
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9550)			1									
	5130294	ELBOW, 1/2"-45 DEG. FL. TUBE		1		1	1	1	1	1	1	1	1	1
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)								1				
	118748	CONNECTOR, 1/4" TUBE 1/8" PIPE (12.9380)	1											
	444056	CONNECTOR, 3/8"-90 DEG. STREET (12.9590)	1	1	1	1	1							
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)				1		1	1	1		1	1	1
	5121825	FITTING, MALE (1/2" HOSE X 3/8" -18) (12.4085)	2	2	2	1	2	1	1	1		1	1	1
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4" -16)	1		1	1	1							
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)						1	1	1	1	1	1	1
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)								1				
	5177752	TEE, 1/8"X1/8" INT. X 1/4" EXT. PIPE		1										
	5121182	PLUG, 1/4" PIPE (12.9550)		1								1		
	5103922	PLUG, 3/8"X2" DIA. (12.9550)												
	5145014	PLUG, 3/8" PIPE (12.9550)												
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
	5151189	CLIP, 3/4" (4.8040)	2	1	2	3								
	5126358	BRACKET, CLIP (4.6040)				1								
	186627	BOLT, 3/8"-24X1" (12.9001)				1								
	103321	LOCKWASHER, 3/8" (12.9200)				1								
	117049	NUT, 3/8"-24 HEX. (12.9120)				1								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	720	721	730	731	738	739	740	741	742	743	744
		12.4300 - STRAINER, AIR COMPRESSOR												
2A	5110411	STRAINER ASSY.		1	1									
2A	5110410	GASKET		1	1									
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		2	2									
	103320	LOCKWASHER, 5/16" (12.9200)		2	2									
		12.4305 - GOVERNOR, AIR COMPRESSOR												
	5144307	KIT, GOVERNOR			1									
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET												
2C	5117747	HOSE, FLEX. (8 1/2" L.)							1	1		1		
2C	5139800	HOSE, FLEX. (10 1/2" L.)						1					1	1
2C	5140110	+ HOSE, FLEX. (12" L.) (5118113)	1											
2C	5118113	HOSE, FLEX. (14" L.)									1			
2C	5138542	* HOSE, FLEX. (15"L.)				1								
2C	5129440	* HOSE (18"L.)					1							
2C	5143985	TUBE ASSY. (DEV. L. 5.60")					2							
	5132103	FLANGE	2											
	5144179	FLANGE					1							
	5132103	FLANGE					1							
	5189769	FLANGE						1	1	1	1	1	1	1
	2456471	ELBOW				1								
	3291272	ELBOW, 1/2"-90 DEG. (1.1100)				2								
	5181801	ELBOW, 3/4"-1" PIPE						2	2	2	2	2	2	2
	5127041	CONNECTOR, 3/4" PIPE 25 DEG. (5.1235)	2											
	189837	CONNECTOR, 3/4" TUBE, 1/2" THD. (12.9460)					1							
	5189415	CONNECTOR, 3/4" PIPE - 1" HOSE									1			
	9139801	CLAMP, 1 1/32" HOSE (12.9660)				2	2							
	2337379	CLAMP, 1 1/2" HOSE (12.9660)						2	2	2	2	2	2	2
	5145014	PLUG, 3/8"-18 PIPE (12.9550)	12	6	6		12							
	5142549	PLUG, 3/4" PIPE (12.9550)	1			1								
	5114551	TAG, CABLE	1	1	1		1							
	179816	BOLT, 5/16"-18X3/4" (12.9001)						2	2	2	2	2	2	2
	188625	BOLT, 5/16"-18X7/8" (12.9001)				2								
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	4				4							
	103320	LOCKWASHER, 5/16" (12.9200)	AR			AR	AR	AR	AR	AR	AR	AR	AR	AR
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		+ *NOT SERVICED; USE NUMBER IN* PARENTHESES PLUG PRINT 5139800 FOR CUSTOMER REWORK.												
		12.4385 - *COVER, AIR COMPRESSOR* MISCELLANEOUS												
		THE FOLLOWING PARTS LISTED IN 1.1000 ARE ALSO REQUIRED.												
	5127788	COVER (3/8" TAPPED HOLE) (1.1060)						1	1	1	1		1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 714	720	721	730	731	738	739	740	741	742	743	744
		12.4385 - COVER, AIR COMPRESSOR MISCELLANEOUS (CONT'D)												
	5144551	COVER (3/4" TAPPED HOLE) (WATER BELOW PORT BLOCK) (1.1040)						1	1	1	1	1	1	1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7451	7456	7457	7458	7459	7551	7552	7561	7592	7593	7594	7597
		12.4001 - COMPRESSOR ASSY., AIR												
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES).												
	NPN	COMPRESSOR (CUSTOMER FURNISHED)					AR	AR	AR					
2A,C	5144306	COMPRESSOR (#282404) (24 CFM)											1	1
2A,C	5102066	COMPRESSOR (#285924) (12 CFM)	1	1	1	1				1	1	1		
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)									1			
	118536	DRAINCOCK, 3/8" (12.9510)	1	1	1									
	5145009	PLUG, 1/8" PIPE SKT. HD. (12.9027)	1	1	1	1					1	1		
	5145014	PLUG, 3/8" PIPE SKT. HD. (12.9027)	6	6	6	6					6	6		
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	6	6	6	6					6	6		
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)											4	4
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6					6	6		
	103323	LOCKWASHER, 1/2" (12.9200)											4	4
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
2A,C	5104506	GASKET (1.5040)											1	1
2A,C	5131939	GASKET	1	1	1	1				1	1	1		
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	5138478	BRACKET	1	1	1		1	1				1		
2D	5143874	BRACKET				1			1	1	1			
	5143857	BRACKET, SUPPORT				1			1	1	1	1		
	5143873	BRACKET, SUPPORT				1			1	1	1	1		
	5145417	PLATE (SUPPORT)	1	1	1	1	1	1	1	1	1	1		
	5143646	PLATE (SUPPORT)		1	1			1						
	5121493	SPACER					1							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2			2						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		4	4			4						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				6	2		6	6	6	6		
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)				1			2	2	2	2		
	5135182	BOLT, 3/8"-24X2 1/4"	1	1	1		1	1						
	5143758	BOLT, 3/8"-24X2 3/4"				1			1	1	1	1		
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	4	4	4	4	4		4	8	4	4		
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	2	2	2			2						
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)				1	2		2	1	1	1		
	5128076	BOLT, 7/16"-14X4"	1	1	1	1	1	1	1	1	1	1		
	220470	BOLT, 9/16"-12X1 3/4" (12.9001)				2			2	2	2	2		
	103341	WASHER, 3/8" (12.9190)		AR	AR	AR		AR	AR	AR	AR	AR		
	103342	WASHER, 7/16" FLAT (12.9190)	AR	AR	AR	AR	AR	AR	AR		AR	AR		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 745	746	747	748	749	751	752	761	792	793	794	797
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		
	120898	LOCKWASHER, 9/16" (12.9200)				AR			AR	AR	AR	AR		
	102635	NUT, 3/8"-16 HEX. (12.9120)				2			2	2	2	2		
	117049	NUT, 3/8"-24 HEX. (12.9120)	1	1	1	1	1	1	1	1	1	1		
	441292	NUT, 7/16"-14 LOCK (12.9120)	1	1	1		1	1						
		12.4015 - PULLEY, AIR COMPRESSOR												
2D	5117740	PULLEY (1 GROOVE, 7.50" DIA.)	1	1	1			1						
2D	5177009	PULLEY (2 GROOVES, 6.25" DIA.)				1			1	1	1	1		
	103385	PIN, 1/8"X1" COTTER (12.9250)	1	1	1	1				1	1	1		
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
2A	5170450	PLATE (STEEL) (1.7630)											1	1
2D	5145092	BOLT, 3/8"-24X1.20" (SHOULDER)											4	4
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
2A,C	5144866	HUB											1	1
2A,C	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)											1	1
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		"P" INDICATES PREMIUM.												
2D	5145730	BELT (.785"X48.00"L.) "P"	1	1	1			1						
2D	5134212	BELT SET (2 BELTS, 48" L.) (1.3320)				1			1	1	1	1		
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
2A,C	5141773	COUPLING											1	1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
2A,C	2289944	HOSE, FLEX. (10 1/2" L.) (7.4074)	1	1	1			1						
2A,C	5138467	HOSE, FLEX. (25" L.)											1	1
2A,C	5136052	HOSE, FLEX. (31"L.)				1				1	1	1		
	225815	ELBOW, INV. FL. TUBE 90 DEG. (12.9480)											1	1
	116453	ELBOW, 1/4"-90 DEG. FL. TUBE	1	1		1				1	1	1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 745	746	747	748	749	751	752	761	792	793	794	797
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)												
		(12.9480)												
	179735	BUSHING, 3/4"X1/8" RED. PIPE			1									
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)	1	1		1				1	1	1		
	444000	ADAPTOR, 1/4" PIPE (12.9460)											1	1
	5177752	TEE, 1/8"X1/8" INT. X 1/4" EXT.	1	1	1									
	5129184	TEE, 1/4" PIPE (2.5149)											1	1
	118748	CONNECTOR, 1/4" TUBE, 1/8" PIPE (12.9380)	1	1	1									
	5121182	PLUG, 1/4" PIPE (12.9550)											1	
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
2D	**2337354**	HOSE, FLEX. (16 1/8" L.)	1	1	1			1						
2D	**5109830**	HOSE, FLEX. (19 7/8" L.)				1				1	1	1		
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)				1				1	1	1		
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)	1	1	1			1						
	116487	CONNECTOR, 5/8" TUBE (12.9380)				1				1	1	1		
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)	1	1	1					1		1		
	444004	ADAPTOR, 1/2" PIPE (12.9565)	1	1	1			1						
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	5153473	CLIP, 1/2" (4.6040)				2				2	2	2	1	1
	5176400	BRACKET, CLIP (4.8010)											1	1
	5160629	SPACER, 13/32"X7/32" CLIP (4.2270)											1	1
	179838	BOLT, 3/8"-16X7/8" (12.9001)				2				2	2	2	1	1
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)											1	1
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)											1	1
	103341	WASHER, 3/8" (12.9190)				AR				AR	AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)				AR				AR	AR	AR	AR	AR
	102635	NUT, 3/8"-16 (12.9120)											1	1
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
2A,C	**5188017**	HOSE, FLEX. (12"L.)	1	1	1			1			1			
2A,C	**5129157**	* HOSE, FLEX. (23"L.) (8.3830)											1	1
2A,C	**5129157**	* HOSE, FLEX. (24 1/2"L.) (8.3830)								1		1		
2A,C	**5129157**	* HOSE, FLEX. (27"L.) (8.3830)				1								
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)											1	
	444002	ADAPTOR, 3/8" N P +F (4.6020)												1
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)									1			
	5130294	ELBOW, 1/2"-45 DEG. FL. TUBE (12.4090)									1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 745	746	747	748	749	751	752	761	792	793	794	797
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	1	1	1	2				1	1	1	2	2
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)								2		2	2	2
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4"-16)				2				1		1		
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)								1	1	1		
	120280	TEE, 3/8" PIPE (12.9616)												
	142767	BUSHING, 3/4"X3/8" RED. PIPE (12.9570)				1				1		1	1	1
	118536	DRAINCOCK, 3/8" (12.9510)								1		1		
	5101020	STRAP, HOSE (2.5255)										2		
	5114551	TAG, CABLE				1								
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4087 - TUBE, AIR COMPRESSOR WATER CROSSOVER												
2C	5129157	* HOSE, FLEX. (10"L.) (8.3830)											1	1
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)								1			2	2
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4"-16) (12.4085)											2	2
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
2A,C	5129157	* HOSE, FLEX. (10"L.) (8.3830)				1				1		1		
2A,C	5188017	HOSE, FLEX. (12"L.)	1	1	1			1			1			
2A,C	5129157	* HOSE, FLEX. (16"L.) (8.3830)											1	
2A,C	5129157	* HOSE, FLEX. (19"L.) (8.3830)												1
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)	1							1				
	444042	ELBOW, 3/8"-90 DEG. STREET		1							1	1		
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)				2				1	1	1	1	1
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)											1	1
	5121825	FITTING, MALE (1/2" HOSE X 3/8"-18) (12.4085)								1		1		
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4"-16)				2				1		1	2	2
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)	1	1	1	1				1	1	1		
	454148	TEE, 3/4"-14 (BRASS) (12.9460)										1		
	5121182	PLUG, 1/4" PIPE (12.9550)											1	1
	5142335	PLUG, 3/8"X2" DIA. (12.9550)											1	1
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 745	746	747	748	749	751	752	761	792	793	794	797
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
	5151189	CLIP, 3/4" (4.8040)												1
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET												
2C	**5118113**	HOSE, FLEX. (14" L.)	1	1				1						
2C	**5144654**	+ HOSE, FLEX. (15 1/2" L.) (5129153)								1				
2C	**5129440**	* HOSE (18"L.)				1								
2C	**5141755**	HOSE, FLEX. (20"L.)								1				
2C	**5129153**	HOSE, FLEX. (25 1/2"L.)									1	1		
2C	**5138542**	* HOSE, FLEX. (42"L.)			1									
2C	**5140507**	@ TUBE (12.6408)								1				
	5132103	FLANGE	1		2	1				1				2
	5189769	FLANGE		1							1	1		
	3291272	ELBOW, 1/2"-90 DEG. (1.1100)			2	2								
	5181801	ELBOW, 3/4"-1" PIPE (5.2161)	1	1						1	2	2		
	140798	ELBOW, 3/4"-45 DEG. STREET (12.9590)								1				
	141621	ELBOW, 3/4" 90 DEG. STREET (12.9590)										1		
	5177218	CONNECTION, STRAIGHT PIPE (5.1235)								1				
	5127041	CONNECTOR, 3/4" PIPE 25 DEG. (5.1235)	1	1										
	5189415	CONNECTOR, 3/4" PIPE - 1" HOSE						1						
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)			1	1								
	5175705	SPACER, 13/32"X7/8"X1"			1									
	9139801	CLAMP, 1 1/32" HOSE (12.9660)			2									
	2337379	CLAMP, 1 1/2" HOSE (12.9660)	2	2		2		2		4	2	2		
	5155664	CLAMP, 1" (4.1570)								1				
	5145009	PLUG, 1/8"-27 PIPE (12.9550)												1
	5145014	PLUG, 3/8"-18 PIPE (12.9550)												12
	5142549	PLUG, 3/4" PIPE (12.9550)												1
	5114551	TAG, CABLE (7.4545)												1
	179816	BOLT, 5/16"-18X3/4" (12.9001)		2						2	2	2		4
	186629	BOLT, 5/16"-18X1" (12.9001)			2									
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2			2								
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR				AR	AR	AR		AR
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		+ NOT SERVICED; USE NUMBER IN PARENTHESES PLUS PRINT 5139800 FOR CUSTOMER REWORK.												
		@ OBSOLETE.												
		12.4377 - CLIP, AIR COMPRESSOR BOOSTER INLET TUBE AND ELBOW ASSY.												
2A,C	**5157702**	CLIP (1" TUBE, 3/8" BOLT) (4.8040)			1									
2A,C	**5155664**	CLIP, 1" (4.1570)				1								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 800	803	807	808	809	810	811	812	813	814	815	816
		12.4001 - COMPRESSOR ASSY., AIR												
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES BELOW).												
2A,C	**5101017**	COMPRESSOR (#285970) (12 CFM)	1											
2A,C	**5102067**	COMPRESSOR (#285923) (12 CFM)		1	1	1	1	1						1
2A,C	**5140728**	COMPRESSOR (#276615)							1					
2A,C	**5101018**	COMPRESSOR (#285977) (12 CFM)								1				
2A,C	**5144306**	COMPRESSOR (#282404) (24 CFM)									1	1		
2A,C	**5102066**	COMPRESSOR (#285924) (12 CFM)											1	
	118536	DRAINCOCK, 3/8" (12.9510)				1		1			1	1		1
	5145009	PLUG, 1/8" PIPE SKT. HD. (12.9027)		1						1	1	1	1	
	5103922	PLUG, CUP (1.2001)									1			
	5145014	PLUG, 3/8" PIPE SKT. HD. (12.9027)		6		6		6		6	12	12	6	6
	5115214	PLUG, 1/2" PIPE (12.9550)							1					
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)											6	6
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		6										
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)									1			
	138269	BOLT, 7/16"-14X1 3/4" HEX. (12.9001)				1	1	1						
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)				5	5	5						
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4							4	4	4		
	179839	BOLT, 1/2"-13X3" (12.9001)							4					
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)		1										
	103343	WASHER, 1/2" FLAT (12.9190)							4					
	5109949	WASHER, 17/32"I.D.X1 3/16"O.D. (5.4025)		1										
	103322	LOCKWASHER, 7/16" (12.9200)	4			6	6	6					6	6
	103323	LOCKWASHER, 1/2" (12.9200)	4	1					4	4		4		
	271500	NUT, 7/16"-14 HEX. (12.9120)				6	6	6						
	102637	NUT, 1/2"-13 HEX. (12.9120)		1					4					
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
2A,C	**5104506**	GASKET (1.5040)	1					1		1		1		
2A,C	**5131939**	GASKET		1		1	1	1					1	1
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
2D	**5136217**	BRACKET (MOUNTING)		1										
2D	**5131445**	BRACKET (ADJUSTING)		1		1	1	1						
2D	**5144155**	BRACKET (MOUNTING)				1	1	1						
2D	**5102275**	BRACKET (MOUNTING)							1					
2D	**5102273**	BRACKET (SUPPORT)							1					

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8000	8003	8007	8008	8009	8110	8111	8112	8113	8114	8115	8116
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)												
2D	**5143857**	BRACKET (SUPPORT)							1				1	
2D	**5143874**	BRACKET (MOUNTING)											1	
2D	**5143873**	BRACKET (SUPPORT)											1	
2D	**5138478**	BRACKET (MOUNTING)												1
	5144156	PLATE (SUPPORT)				1	1	1						
	5145417	PLATE (SUPPORT)											1	1
	5160629	SPACER (13/32"X7/32" (4.2270)		1										
	5164294	SPACER (7.1581)							6					
	5136148	SHIM (.002")				1	1	1						
	5136147	SHIM (.005")				1	1	1						
	5126323	SHIM (.012") (4.4115)				1	1	1						
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)							4					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				7		2	7					3
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)							2				6	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)							2				2	
	5135182	BOLT, 3/8"-24X2 1/4" (ADJUSTING)												1
	5143758	BOLT, 3/8"-24X2 3/4" (12.9001)				1							1	
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)						1						
	186317	BOLT, 3/8"-24X5" (12.9001)						1						
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)						1						
	5131478	BOLT, 3/8"-24X6"		1										
	186813	BOLT, 3/8"-24X6" (12.9001)				1	1	1						
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				4	4	2					4	2
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		1										
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)				1	1	1						2
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)											1	
	427570	BOLT, 7/16"-14X2" (12.9001)		1										
	454947	BOLT, 7/16"-14X2 1/4" (12.9001)				1	1	1						
	5128076	BOLT, 7/16"-14X4" (ADJUSTING)											1	1
	5143645	BOLT, 1/2"-13X3 1/4" (ADJUSTING)							1					
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)				1	1	1						
	100173	BOLT, 9/16"-12X1 3/4" (12.9001)							4					
	220470	BOLT, 9/16"-12X1 3/4" LOCK (12.9001)											2	
	103341	WASHER, 3/8" (12.9190)				AR	AR	AR					AR	
	103342	WASHER, 7/16" (12.9190)											AR	AR
	103343	WASHER, 1/2" (12.9190)							1					
	5109949	WASHER, 17/32" I.D. (5.4025)				2	2	2						
	5159714	WASHER, 11/16"X1/8" (2.7290)							4					
	103320	LOCKWASHER, 5/16" (12.9200)					AR		AR					
	103321	LOCKWASHER, 3/8" (12.9200)		AR			AR	AR	AR				AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)		AR		AR	AR	AR					AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)				1	1	1						
	103330	LOCKWASHER, 9/16" (12.9200)							4					
	120898	LOCKWASHER, 9/16" (12.9200)											2	
	102635	NUT, 3/8"-16 HEX. HD. (12.9120)							2				2	
	117049	NUT, 3/8"-24 HEX. (12.9120)		1			1	1	1				1	1
	441292	NUT, LOCK 7/16"-14 (12.9120)												1
	102637	NUT, 1/2"-13 HEX. HD. (12.9120)				1	1	1						

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 800	803	807	808	809	810	811	812	813	814	815	816
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)												
	123550	NUT, JAM 1/2"-13 (12.9120)							1					
		12.4015 - PULLEY, AIR COMPRESSOR												
2D	5133616	PULLEY (2 GROOVE, 5" DIA.)				1	1	1						
2D	5162966	PULLEY (2 GROOVE, 6.25" DIA.)		1										
2D	5177009	PULLEY (2 GROOVE, 6.25" DIA.)											1	
2D	5117740	PULLEY (1 GROOVE, 7.50" DIA.)												1
	103385	PIN, 1/8"X1" COTTER (12.9250)		1		1		1					1	1
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE												
2D	5133615	PULLEY (2 GROOVE, 5" DIA.)				1	1	1						
2D	5177236	PULLEY (2 GROOVE, 6.50" DIA.)		1										
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1		1	1	1						
	272906	NUT, 3/4"-16 LOCK (12.9140)		1		1	1	1						
		12.4020 - ADAPTOR, AIR COMPRESSOR												
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.												
2A,C	5131402	RETAINER ASSY. (1.7645)		1		1	1	1						
2A,C	179858	BOLT, 7/16"-14X1" (12.9001)		1		1	1	1						
2A,C	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		4		4	4	4						
	5125108	WASHER, 7/16" (2.4030)				1	1	1						
	103323	LOCKWASHER, 1/2" (12.9200)		4		4	4	4						
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
2B	5170450	PLATE (STEEL) (1.7630)	1	1		1	1	1		1	1	1		
2B	5145092	BOLT, 3/8"-24X1.20" LOCK (12.5015)	4	4		4	4	4		4	4	4		
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
2A,C	5144886	HUB	1							1	1	1		
2A,C	103375	PIN, COTTER 3/32"X1 1/4" (12.9250)	1							1	1	1		
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
2D	5145730	BELT (.785"X48.00"L.)												1
2D	5126763	BELT SET (2 BELTS, 40"L.)				1	1	1						
2D	5130529	BELT SET (2 BELTS, 45 1/2"L.)		1										

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 800	803	807	808	809	810	811	812	813	814	815	816
		12.4045 - BELT, AIR COMPRESSOR DRIVE (CONT'D)												
		(1.3320)												
2D	**5134212**	BELT SET (2 BELTS, 48"L.) (1.3320)											1	
2D	**5135882**	BELT SET (2 BELTS, 57"L.) (7.1575)							1					
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE												
2B	**5131130**	SHAFT (1.7640)		1		1	1	1						
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT												
2B	**907191**	BEARING (N.D. 5206W.) (1.7655)		1		1	1	1						
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
2A,C	**5141773**	COUPLING	1							1	1	1		
		12.4051 - SEAL, AIR COMPRESSOR DRIVE												
2B	**5131329**	SEAL (1.7660)		1		1	1	1						
	5131131	SPACER, SEAL (1.7665)		1		1	1	1						
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING												
2B	**9415285**	RING, LOCK (2 7/16" DIA.) (2.7470)		1		1	1	1						
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
2A,C	**2289944**	HOSE, FLEX. (10 1/2" L.) (7.4074)												1
2A,C	**5138467**	HOSE, FLEX. (25" L.)	1							1				
2A,C	**5109926**	HOSE, FLEX. (25" L.)									1	1		
2A,C	**5136052**	HOSE, FLEX. (31" L.)						1					1	
2A,C	**5126692**	HOSE, FLEX. (32" L.)							1					
2A,C	**5131140**	HOSE, FLEX. (36" L.)		1										
	225815	ELBOW, INV. FL. TUBE 90 DEG. (12.9480)	1							1				
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)		1				1			1	1		
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)		1		1	1	1	1		1	1		
	116453	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)				1	1						1	1
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)		1				1			1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 800	803	807	808	809	810	811	812	813	814	815	816
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)												
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)							1				1	1
	118748	CONNECTOR, 1/4" TUBE, 1/8" PIPE (12.9380)												1
	118750	CONNECTOR, 3/8" (12.9380)					1							
	444000	ADAPTOR, 1/4" PIPE (12.9565)	1							1	1			
	5177752	TEE, 1/8"X1/8" INT. X 1/4" EXT. (2.7890)												1
	5129184	TEE, 1/4" PIPE (2.5149)	1				1			1				
	2191465	TEE, 1/4" PIPE (7.8295)									1	1		
	5121182	PLUG, 1/4" PIPE (12.9550)								1				
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
	5135293	HOSE, FLEX. (74" STD. L.) (9" L. REQD.)		1		1		1						
	2337354	HOSE, FLEX. (16 1/8"L.)												1
	5109830	HOSE, FLEX. (19 7/8"L.)											1	
	5133330	HOSE, FLEX. (21"L.) (9.1591)							1					
	5135293	HOSE, FLEX. (74" STD. L.) (42"L. REQD.)					1							
	137894	ELBOW, 1/2"-90 DEG. STREET (12.9590)				1	1	1					1	
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)		1										1
	9402801	ELBOW, 5/8"-45 DEG. (12.9600)							1					
	444004	ADAPTOR, 1/2" PIPE (12.9565)												1
	5113215	FITTING, HOSE 1/2"-14 (12.6692)		1		1	1	1						
	5132237	FITTING, HOSE 3/4"-14 (2.6005)					1							
	5113192	FITTING, HOSE 7/8"-14 (12.6689)		1		1		1						
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)							1				1	
	137410	CONNECTOR, 5/8" TUBE, 1/2" PT (12.9460)					1							
	116487	CONNECTOR, 5/8" FL. TUBE (12.9380)											1	
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
2A,C	5153473	CLIP, HOSE (4.6040)	1							1	1	1	2	
2A,C	5177001	CLIP, HOSE (8.3801)					1							
2A,C	5151108	CLIP, HOSE (12.4095)							1					
2A,C	5151189	CLIP, HOSE 3/4" (4.8040)									1			
2A,C	5176400	BRACKET, CLIP (4.8010)	1							1	1	1		
2A,C	5160629	SPACER, 13/32"X7/32" (4.2270)	1					1		1	1	1		
2A,C	5157412	SPACER, 7/8"X13/32" (7.4013)					1							
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1							1	1	1	2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									1	1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8000	8003	8007	8008	8009	8110	8111	8112	8113	8114	8115	8116
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE (CONT'D)												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					1							
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	1							1				
	186310	BOLT, 3/8"-24X3" (12.9001)										1		
	186317	BOLT, 3/8"-24X5" (12.9001)	1					1						
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)	1											
	103341	WASHER, 3/8" FLAT (12.9190)	4				1			2	2	3	2	
	103321	LOCKWASHER, 3/8" (12.9200)	4				1			2	2	3	2	
	102635	NUT, 3/8"-16 HEX. (12.9120)	1							1	1	1		
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
2A,C	5188017	HOSE, FLEX. (12"L.) (8.3830)											1	
2A,C	5108553	HOSE, FLEX. (17 3/8"L.) (12.4090)							1					
2A,C	5129157	HOSE, FLEX. (29"L.)		1							1			
2A,C	5123317	HOSE, FLEX. (42 1/2"L.)				1	1							
2A,C	5129157	HOSE, FLEX. (73"STD.L.) (24 1/2"L. REQD.)	1							1				
2A,C	5129157	HOSE, FLEX. (73"STD.L.) (36 1/2"L. REQD.)						1						
2A,C	5129157	HOSE, FLEX. (73"STD.L.) (33 3/4"L. REQD.)										1		
2A,C	5129157	HOSE, FLEX. (73" STD. L.) (10"L. REQD.)												1
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)	1							1				
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)									1		1	
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)(12.9390)	1	1		1	1	1	1	2	1	1		1
	5130294	ELBOW, 1/2" TUBE X 3/4" PIPE - 45 DEG. (12.4090)											1	
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)											1	
	5121825	FITTING, HOSE (3/8"-18) (12.4090)		1		1	1	1						1
	5120020	FITTING, HOSE (3/4"-16) (12.4085)	2	1		1	1	1		2	2	2		1
	142767	BUSHING, 3/4"X3/8" PIPE RED. (12.9570)	1	1		1		1		1	1	1	1	
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)									1	1		
	444136	TEE, 3/8" PIPE (12.9616)		1		1	1	1				1		
	444150	TEE, 3/8" PIPE (12.9616)									1			
	120280	TEE, 3/8" PIPE (12.9616)											1	
	118536	DRAINCOCK, 3/8" (12.9510)				1		1				1		
	5145014	PLUG, 3/8" PIPE (12.9550)		1										
		12.4087 - TUBE, AIR COMPRESSOR WATER CROSSOVER												
2C	5188017	HOSE, FLEX. (12"L.)							1					
2C	5129157	HOSE, FLEX. (10" L.)									1			
2C	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)							1					
2C	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9590)							1					
2C	5102118	FITTING, 3/4"-16-90 DEG. (12.4010)									1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 800	803	807	808	809	810	811	812	813	814	815	816
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
2A	5129157	HOSE, FLEX. (10"L.)												1
2A	5188017	HOSE, FLEX. (12"L.)							1				1	
2A	5129157	HOSE, FLEX. (29"L.)				1	1							
2A	5129157	HOSE (36 1/2") (12.4085)		1										
2A	5129157	HOSE, BULK #8X73" (36 1/2" REQD.)						1						
2A	5129157	HOSE (73"STD.L.) (12 1/2"L. REQD.)	1											
2A	5129157	HOSE (73" STD. L.) (16 7/8"L. REQD.)								1				
2A	5129157	HOSE (73"STD. L.) (19"L. REQD.)												
2A	5129157	HOSE (73" STD. L.) (23"L. REQD.)									1	1		
2A	444056	ELBOW, 3/8"-45 DEG. STREET (12.9590)	1								1			
2A	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)							1					1
	5130294	ELBOW, 1/2" TUBE 45 DEG. (12.4090)						1						
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	1	1		2	1		1	2			1	2
	2325715	ELBOW, 1/2"-90 DEG. (3.5505)		1				1						
	5121825	FITTING, HOSE 3/8"-18 (12.4090)				1	1							1
	5120020	FITTING, HOSE 3/4"-16 (12.4085)	1	2		1	1	2		2	2	2		1
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)								1	1	1		
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)				1	1		1				1	1
	118748	CONNECTOR, 1/8" PIPE (12.9380)												1
	118752	CONNECTOR, 1/2" FL. TUBE (12.9480)	1							1	1	1		
	5177752	TEE, 1/8"X1/8"X1/4" PIPE (2.7890)												1
	5121182	PLUG, 1/4" PIPE (12.9550)	1											
	5142335	PLUG, 3/8" PIPE (1.2001)	1											
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
	5177001	CLIP, 7/8"									1			
	5151189	CLIP, 3/4" (4.8040)	1	2		3	3	3		1	2	2		
	5126358	BRACKET (4.6040)				1	1							
	5160629	SPACER, 13/32"X7/32" (4.2270)				2								
	5114551	TAG (7.4545)				2	2							
	132273	SCREW, 1/4"-20X1" FIL. HD. (12.9010)		1				1						
	179837	BOLT, 3/8"-16X3/4" (12.9001)						1						
	186627	BOLT, 3/8"-24X1" (12.9001)				1	1							
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)				1								
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)				1								
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)									1			
	120392	WASHER, 9/32" (12.9190)		1				1						
	103321	LOCKWASHER, 3/8" (12.9200)				1	1	1						
	103322	LOCKWASHER, 7/16" (12.9200)									1			
	117049	NUT, 3/8"-24 HEX. (12.9120)				1	1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8000	8003	8007	8008	8009	8010	8011	8012	8013	8014	8015	8016
		12.4300 - STRAINER, AIR COMPRESSOR												
2A	5110411	STRAINER ASSY.		1	1									
2A	5110410	* GASKET		1	1									
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		2	2									
	103320	LOCKWASHER, 5/16" (12.9200)		2	2									
		* FURNISHED WITH AIR COMPRESSOR.												
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET												
2C	5125902	HOSE, FLEX. (16"L.) (2.5100)									1			
2C	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)									2			
2C	5120020	FITTING, HOSE (3/4"-16) (12.4085)									2			
	5144179	FLANGE	1											
	5132103	FLANGE				1	1	1	1	1	2	1	1	1
	5114551	TAG, CABLE	1							1	1	1		
	5145009	PLUG, 1/8" PIPE (12.9550)	1											
	5145014	PLUG, 3/8" PIPE (12.9550)	6											
	5145013	PLUG, 3/4" PIPE (12.9550)							1		1			
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)				2	2	2				2		2
	186629	BOLT, 5/16"-18 X 1" (12.9001)							4	2	4		2	
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2											
	103320	LOCKWASHER, 5/16" (12.9200)	AR			AR	AR	AR	AR	AR	AR	AR	AR	AR

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8171	8181	8191	8201	8211	8221	8231	8301	8421	8451	8491
		12.4001 - COMPRESSOR ASSY., AIR											
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES BELOW).											
2A,C	5101017	COMPRESSOR (#285970) (12 CFM)											1
2A,C	5102067	COMPRESSOR (#285923) (12 CFM)			1						1		
2A,C	5102066	COMPRESSOR (#285924) (12 CFM)				1		1	1				
2A,C	5106140	COMPRESSOR (TP #N-5504-B) (EL-740) (7 1/4" CFM)								1		1	
	118536	DRAINCOCK, 3/8" (12.9510)			1	1		1	1		1		
	5145009	PLUG, 1/8" PIPE SKT. HD. (12.9027)			1	1			1		2	1	1
	5145014	PLUG, 3/8" PIPE SKT. HD. (12.9027)			6	6		6	6		4	6	6
	5115214	PLUG, 1/2" PIPE (12.9550)									2		
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)			6	6		6	6				
	138269	BOLT, 7/16"-14X1 3/4" HEX. (12.9001)									1		
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)									5		
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)								4		4	4
	103322	LOCKWASHER, 7/16" (12.9200)			6	6		6	6		6		
	103323	LOCKWASHER, 1/2" (12.9200)								4		4	4
	271500	NUT, 7/16"-14 HEX. (12.9120)									6		
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING											
2A,C	5104506	GASKET (1.5040)								1			1
2A,C	5131939	GASKET		1	1	1		1	1		1		
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING											
2D	5131445	BRACKET (ADJUSTING)									1		
2D	5144155	BRACKET (MOUNTING)									1		
2D	5143857	BRACKET (SUPPORT)					1		1				
2D	5143874	BRACKET (MOUNTING)					1		1				
2D	5143873	BRACKET (SUPPORT)					1		1				
2D	5138478	BRACKET (MOUNTING)	1	1	1	1		1					
2D	5143646	SUPPORT		1				1					
2D	5144156	PLATE (SUPPORT)									1		
2D	5145417	PLATE (SUPPORT)	1	1	1	1	1	1	1				
	5121493	SPACER (12.4010)	1										
	5182628	SPACER, 13/32"X.75"X.15" (12.4065)									1		
	5160629	SPACER (13/32"X7/32") (4.2270)									1		
	5136148	SHIM (.002")									1		
	5136147	SHIM (.005")									1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 817	818	819	820	821	822	823	830	842	845	849
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)											
	5126323	*SHIM (.012") (4.4115)*									1		
	179837	BOLT, 3/8"-16X3/4" (12.9001)									1		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		3	3	3		3			3		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		4				4					
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	2										
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					6		6				
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)					2		2				
	5135182	BOLT, 3/8"-24X2 1/4" (ADJUSTING)	1	1	1	1	1	1					
	5143758	BOLT, 3/8"-24X2 3/4" (12.9001)							1				
	5131478	BOLT, 3/8"-24X6"									1		
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)			4		4	4	4				
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	4			4					2		
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)									1		
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)		2	2	2		2					
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	1				1		1				
	427570	BOLT, 7/16"-14X2" (12.9001)									1		
	5128076	BOLT, 7/16"-14X4" (ADJUSTING)	1	1	1	1	1	1	1				
	9427945	*BOLT, 1/2"-13X6 1/4" (12.9001)*									1		
	220470	BOLT, 9/16"-12X1 3/4" LOCK (12.9001)					2		2				
	103341	WASHER, 3/8" (12.9190)		AR			AR	AR	AR		AR		
	103342	WASHER, 7/16" (12.9190)	AR	AR	AR	AR	AR	AR	AR				
	5109949	WASHER, 17/32" I.D. (5.4025)									2		
	5131433	WASHER,									1		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR		AR		
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR		AR		AR		
	103323	LOCKWASHER, 1/2" (12.9200)									1		
	120898	LOCKWASHER, 9/16" (12.9200)					2		2				
	102635	NUT, 3/8"-16 HEX. HD. (12.9120)					2		2				
	117049	NUT, 3/8"-24 HEX. (12.9120)	1	1	1	1	1	1	1				
	441292	NUT, LOCK 7/16"-14 (12.9120)	1	1	1	1		1					
	102637	NUT, 1/2"-13 HEX. HD. (12.9120)									1		
		12.4015 - PULLEY, AIR COMPRESSOR											
2D	5177009	PULLEY (2 GROOVE, 6.25" DIA.)					1		1		1		
2D	5117740	PULLEY (1 GROOVE, 7.50" DIA.)		1	1	1		1					
	103385	PIN, 1/8"X1" COTTER (12.9250)			1	1		1	1		1		
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE											
2D	5133615	PULLEY (2 GROOVE, 5" DIA.)									1		
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)									1		
	272906	NUT, 3/4"-16 LOCK (12.9140)									1		
		12.4020 - ADAPTOR, AIR COMPRESSOR											
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.											

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 817	818	819	820	821	822	823	830	842	845	849
		12.4020 - ADAPTOR, AIR COMPRESSOR (CONT'D)											
2B,D	**5131402**	RETAINER ASSY. (1.7645)									1		
2B,D	**179858**	BOLT, 7/16"-14X1" (12.9001)								1	1		
2B,D	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)									4		
	5150568	WASHER, 7/16" COPPER (2.4050)									1		
	103323	LOCKWASHER, 1/2" (12.9200)									4		
		12.4037 - PLATE, AIR COMPRESSOR DRIVE											
2B	**5170450**	PLATE (STEEL) (1.7630)								1	1	1	1
	5145092	BOLT, 3/8"-24X1.20" LOCK (12.5015)								4	4	4	4
		12.4040 - HUB, AIR COMPRESSOR DRIVE											
2A,C	**5144886**	HUB								1		1	1
2A,C	**103375**	PIN, COTTER 3/32"X1 1/4" (12.9250)								1		1	1
		12.4045 - BELT, AIR COMPRESSOR DRIVE											
2D	**5145730**	BELT (.785"X48.00"L.)		1	1	1		1					
2D	**5126763**	BELT SET (2 BELTS, 40"L.)									1		
2D	**5134212**	BELT SET (2 BELTS, 48"L.) (1.3320)					1		1				
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE											
2A,C	**5141773**	COUPLING								1		1	1
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING											
2B	**9415285**	RING, LOCK (2 7/16" DIA.) (2.7470)									1		
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY											
2A,C	**2289944**	HOSE, FLEX. (10 1/2" L.) (7.4074)			1	1		1					
2A,C	**5138467**	HOSE, FLEX. (25" L.)										1	1
2A,C	**5109926**	HOSE, FLEX. (25" L.)								1			
2A,C	**5136052**	HOSE, FLEX. (31" L.)							1		1		
2A,C	**5126692**	HOSE, FLEX. (32" L.)				1							
	225815	ELBOW, INV. FL. TUBE 90 DEG. (12.9480)								1		1	1
	9409931	ELBOW, 1/8"-90 DEG. (12.9590)						1					
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE									1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 817	818	819	820	821	822	823	830	842	845	849
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)											
		(12.9480)											
	116453	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)			1	1			1				
	105418	CROSS, 1/8" PIPE (4 WAY)			1								
	5182120	NIPPLE, 1/8" PIPE (7.4074)			1								
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)									1		
	179735	BUSHING, 3/4"X1/8" RED. PIPE (12.9570)						1					
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)			1	1			1				
	118748	CONNECTOR, 1/4" TUBE, 1/8" PIPE (12.9380)				1		1					
	444000	ADAPTOR, 1/4" PIPE (12.9565)								1		1	1
	178996	TEE, 1/8" PIPE (12.9616)									1		
	5177752	TEE, 1/8"X1/8" INT. X 1/4" EXT. (2.7890)				1		1					
	5129184	TEE, 1/4" PIPE (2.5149)								1		1	1
	5145009	PLUG, 1/8" PIPE (12.9550)			2								
	5121182	PLUG, 1/4" PIPE (12.9550)								1			1
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN											
	5131358	HOSE, FLEX. (12"L.) (3.5505)			1								
	2337354	HOSE, FLEX. (16 1/8"L.)				1		1					
	5109830	HOSE, FLEX. (19 7/8"L.)							1				
	5138505	HOSE, FLEX. (50"L.)									1		
	137894	ELBOW, 1/2"-90 DEG. STREET (12.9590)							1				
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)			1	1		1			1		
	444004	ADAPTOR, 1/2" PIPE (12.9565)				1		1					
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)				1		1	1				
	120062	BUSHING, 1"X1/2" RED. PIPE (12.9570)									1		
	116487	CONNECTOR, 5/8" FL. TUBE (12.9380)							1		1		
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE											
2A,C	**5153473**	CLIP, HOSE (4.6040)							2	1		1	1
2A,C	**5151189**	CLIP, HOSE 3/4" (4.8040)									1		
2A,C	**5114551**	TAG, CABLE									2		
2A,C	**5176400**	BRACKET, CLIP (4.8010)								1		1	1
2A,C	**5160629**	SPACER, 13/32"X7/32" (4.2270)								1		1	1
	179838	BOLT, 3/8"-16X7/8" (12.9001)							2	1		1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										1	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)								1			1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8167	8188	8199	8200	8211	8222	8233	8300	8422	8455	8499
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE (CONT'D)											
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)								1		1	
	186317	BOLT, 3/8"-24X5" (12.9001)											1
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)											1
	103341	WASHER, 3/8" FLAT (12.9190)							2	3		3	4
	103321	LOCKWASHER, 3/8" (12.9200)							2	3		3	4
	102635	NUT, 3/8"-16 HEX. (12.9120)								1		1	1
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET											
2A,C	5188017	HOSE, FLEX. (12"L.) (8.3830)				1		1					
2A,C	5129157	HOSE, FLEX. (73"STD.L.) (24 1/2"L. REQD.)										1	1
2A,C	5129157	HOSE, FLEX. (73" STD. L.) (10"L. REQD.)			1					1			
2A,C	5129157	HOSE, FLEX. (73" STD. L.) (23"L. REQD.)									1		
2A,C	5129157	HOSE, FLEX. (73" STD. L.) (38"L. REQD.)			1					1	1		1
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)			1	1		1	1	2	2	2	1
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)			1				2	2	2	2	2
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)			1				1	1	1	1	1
	5121825	FITTING, HOSE (3/8"-18) (12.4090)			1				1				
	5120020	FITTING, HOSE (3/4"-16) (12.4085)			1				1				
	142767	BUSHING, 3/4"X3/8" PIPE RED. (12.9570)							1				
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)							1	1	1	1	1
	120280	TEE, 3/8" PIPE (12.9616)							1				
	444258	TEE, 3/8" PIPE (12.9490)			1				1				
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET											
2A	5129157	HOSE, FLEX. (10"L.)			1				1				
2A	5188017	HOSE, FLEX. (12"L.)				1		1					
2A	5129157	HOSE (73" STD. L.) (12 1/2"L. REQD.)										1	1
2A	5129157	HOSE (73" STD. L.) (16 7/8"L. REQD.)								1			
2A	5129157	HOSE (73" STD. L.) (27"L. REQD.)									1		
	444056	ELBOW, 3/8"-45 DEG. STREET (12.9590)									1	1	
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)			1			1					1
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)				1			1				
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)			1	2		2	1	2		1	2
	2325715	ELBOW, 1/2"-90 DEG. (3.5505)									1		
	5121825	FITTING, HOSE 3/8"-18 (12.4090)			1				1		1		
	5120020	FITTING, HOSE 3/4"-16 (12.4085)			1				1	2	1	2	2
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)								1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 817	818	819	820	821	822	823	830	842	845	849
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)											
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)			1	1		1	1				1
	118752	CONNECTOR, 1/2" FL. TUBE (12.9480)								1		1	
	5121182	PLUG, 1/4" PIPE (12.9550)									1	1	
	5142335	PLUG, 3/8" PIPE (1.2001)									1	1	
	5145014	PLUG, 3/8" PIPE (12.9550)			1								
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE											
2A,C	5151189	CLIP, 3/4" (4.8040)								1	1	1	1
2A,C	5163906	SPACER, 15/32"X1/4"X13/16" (7.1598)									1		
2A,C	5114551	TAG (7.4545)										1	
		12.4300 - STRAINER, AIR COMPRESSOR											
2A	5110410	* GASKET									1		
	103320	LOCKWASHER, 5/16" (12.9200)									2		
		* FURNISHED WITH AIR COMPRESSOR.											
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET											
2C	5143985	HOSE, 3/4"I.D.X6.46"L.								2			
2C	5138542	HOSE, #12 73 1/2"L.								1	1		
2C	5144179	FLANGE								1			1
2C	5132103	FLANGE	1	1	1	1	1	1	1				
	5114551	TAG, CABLE (7.4545)								1		1	
	9139801	CLAMP, 5/8" (12.9660)								2	2		
	3291272	ELBOW, 1/2"-90 DEG. (1.1100)									1		
	2456471	ELBOW									1		
	189839	CONNECTOR, 3/4" TUBE (12.9460)								1			
	5145009	PLUG, 1/8" PIPE (12.9550)								1			
	5145014	PLUG, 3/8" PIPE (12.9550)								6			
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)		2	2	2							
	186625	BOLT, 5/16"-18X7/8" (12.9001)									2		2
	186628	BOLT, 5/16"-18 X 1" (12.9001)	2				2	2	2				
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)								2			
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8522	8544	8559	8688	8722	8896	8898	9226	9227	9228	9444	9557	9558	9559
		12.4001 - COMPRESSOR ASSY., AIR														
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES BELOW).														
2A,C	**5144306**	COMPRESSOR (#282404) (24 CFM)	1			1										
2A,C	**5101017**	COMPRESSOR (#285970) (12 CFM)		1			1									
2A,C	**5101018**	COMPRESSOR (#285977) (12 CFM)			1								1			
2A,C	**5106140**	COMPRESSOR (TP #N-5504-B) (EL-740) (7 1/4 CFM)						1								
2A,C	**5100886**	COMPRESSOR (#285991) (12 CFM)							1							
2A,C	**5102066**	COMPRESSOR (#285924) (12 CFM)							1							1
2A,C	**5102067**	COMPRESSOR (#285923) (12 CFM)								1	1	1		1	1	
	5136170	* LEVER, SEL. VLV. (9.1175)					1									
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)							1	1						
	103385	PIN, 1/8"X1" COTTER (12.9250)								1	1	1				
	118536	DRAINCOCK, 3/8" (12.9510)							1	1	1	1				
	9424977	DRAINCOCK, 1/2" (12.9510)												1	1	
	5145009	PLUG, 1/8" PIPE SKT. HD. (12.9027)	1						1							
	5145014	PLUG, 3/8" PIPE SKT. HD. (12.9027)	12	6		12	6	6	6							
	5142549	PLUG, 3/4" PIPE (12.9550)	1													
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)							6		6					6
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4	4	4	4	4	4	4				4			
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)												4	3	
	138269	BOLT, 7/16"-14X1 3/4" (12.9001)												2	2	
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)													1	
	103322	LOCKWASHER, 7/16" (12.9200)							6		6			6	6	6
	103323	LOCKWASHER, 1/2" (12.9200)	4	4	4	4	4	4	4				4			
	271500	NUT, 7/16"-14 HEX. (12.9120)												6	6	
		* REPLACES SELECTOR VALVE LEVER ON MARINE APPLICATIONS.														
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING														
2A,C	**5104506**	GASKET (1.5040)	1	1	1	1	1	1		1	1	1	1		1	
2A,C	**5131939**	GASKET							1					1	1	1
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING														
2D	**5138478**	BRACKET							1	1	1	1				1
2D	**5144155**	BRACKET												1	1	
2D	**5108397**	BRACKET, UPPER												1	1	
2D	**5102399**	BRACKET, UPPER														1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 852	854	859	868	872	896	898	926	927	928	944	957	958	959
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)														
2D	5131445	BRACKET, ADJUSTING												1	1	
	5136148	SHIM (.002")												1	1	
	5136147	SHIM (.005")												1	1	
	5126323	SHIM (.012")												1	1	
	5102398	BRACKET, UPPER														1
	5143646	PLATE (SUPPORT)							1							
	5145417	PLATE (SUPPORT)							1	1	1	1				1
	5164294	SPACER (7.1581)														2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							2	2	2	2				2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							2							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)														2
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)														2
	5135182	BOLT, 3/8"-24X2 1/4" (12.9001)							1	1	1	1				1
	186813	BOLT, 3/8"-24X6" (12.9001)												1	1	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)							4	10	4	6		3	3	4
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)							2	2	2	2		1	1	
	454947	BOLT, 7/16"-14X2 1/4" (12.9001)												1	1	1
	5128076	BOLT, 7/16"-14X4"							1	1	1	1				1
	122408	BOLT, 1/2"-13X1" (12.9001)												1	1	
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)														1
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)												1	1	
	103341	WASHER, 3/8" FLAT (12.9190)							3					1	1	1
	103342	WASHER, 7/16" FLAT (12.9190)							6	6	6	6		3		6
	103321	LOCKWASHER, 3/8" (12.9200)							3	3	3	3		7		7
	5109949	WASHER (17/32"I.O.) (5.4025)												2	2	
	103323	LOCKWASHER, 1/2" (12.9200)												2	2	1
	103322	LOCKWASHER, 7/16" (12.9200)							6	10	6	6			9	12
	102635	NUT, 3/8"-16 HEX. (12.9120)														2
	117049	NUT, 3/8"-24 HEX. (12.9120)							1	1	1	1		1		1
	441292	NUT, 7/16"-14 HEX. LOCK (12.9140)							1	1	1	1				1
	102637	NUT, 1/2"-13 HEX. (12.9120)												1	1	
		12.4015 - PULLEY, AIR COMPRESSOR														
2D	5117740	PULLEY (1 GROOVE, 7.5" DIA.)							1	1	1	1				
2D	5133616	PULLEY (2 GROOVES 5 DIA.)												1	1	
	103385	PIN, 1/8 X1 COTTER (12.9250)												1	1	
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE														
2D	5133615	PULLEY (2 GROOVES 5 DIA.)												1	1	
	124549	KEY, 3/16 X3/4 WOODRUFF (12.9350)												1	1	
	272906	NUT, 3/4 -16 HEX. LOCK (12.9140)												1	1	
		12.4020 - ADAPTOR, AIR COMPRESSOR														
2B,D	5131402	RETAINER ASSY. (1.7645)												1	1	
	179858	BOLT, 7/16"-14X1" (12.9001)												1	1	
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)												4	4	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 852	854	859	868	872	896	898	926	927	928	944	957	958	959
		12.4020 - ADAPTOR, AIR COMPRESSOR (CONT'D)														
	5125108	WASHER, 7/16"												1	1	
	103323	LOCKWASHER, 1/2" (12.9200)												4	4	
		12.4037 - PLATE, AIR COMPRESSOR DRIVE														
2A,B	5170450	PLATE (STEEL) (1.7630)	1	1	1	1	1	1	1				1	1	1	
	5145092	BOLT, 3/8"-24X1.20" LOCK (12.5015)	4		4	4	4	4	4				4	4	4	
	5145091	BOLT, 3/8"-24X1.38"		4												
		12.4040 - HUB, AIR COMPRESSOR DRIVE														
2A,B	5144886	HUB	1	1	1	1	1	1	1				1			
2A,B	103375	PIN, COTTER 3/32"X1 1/4" (12.9250)	1	1	1	1	1	1	1				1			
		12.4045 - BELT, AIR COMPRESSOR DRIVE														
2D	5126763	BELT SET (2 BELTS, 40.00L.)(1.3320)												1	1	
2D	5145730	BELT (.785"X48.00"L.)							1	1	1	1				1
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT														
2B	907191	BEARING (N.D.5206W) (1.7655)												1	1	
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE														
2A,B	5141773	COUPLING	1	1	1	1	1	1					1			
	5140982	COUPLING							1							
		12.4051 - SEAL, AIR COMPRESSOR DRIVE														
2B	5131329	SEAL (1.7660)												1	1	
	5131131	SPACER, SEAL (1.7665)												1	1	
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING														
2B	9415285	RING LOCK (2.76" DIA.) (2.7470)												1	1	
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY														
2A,C	5138467	HOSE, FLEX. (25" L.)	1	1	1	1	1	1					1			
2A,C	5131140	HOSE, FLEX. (36" L.)													1	
2A,C	5133163	HOSE, FLEX. (21" L.)							1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 852	854	859	868	872	896	898	926	927	928	944	957	958	959
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)														
2A,C	2289944	HOSE, FLEX. (10.50" L.) (7.4074)							1	1	1	1				1
2A,C	5126692	HOSE, FLEX. (32"L.)												1		
	225815	ELBOW, INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1	1	1					1			
	9409931	ELBOW, 1/8" 90 DEG. STREET (12.9480)								1	1					
	444056	ELBOW, 3/8" 90 DEG. STREET (12.9590)								1	1					
	5130294	ELBOW, 1/2" 45 DEG.NPTF (12.4090)								1	1					
	116453	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)							1			1		1		1
	118753	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)							1					1	1	
	444000	ADAPTOR, 1/4" PIPE (12.9565)	1	1	1	1	1	1	1			1	1			
	118748	CONNECTOR, 1/4" TUBE, 1/8" P.T. (12.9380)							1	1	1					
	118750	CONNECTOR, 3/8" TUBE, 3/8" P.T. (12.9380)												1		
	116436	CONNECTOR, 1/4" TUBE, 1/4" P.T. (12.9380)							1						1	
	179735	BUSHING, 3/4"X1/8" RED. PIPE (12.9570)								1	1					
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)							1			1				1
	5182120	NIPPLE, (1/8"X.76") (7.4074)								1						
	105418	CROSS, 1/8" PIPE 4WAY								1						
	5177752	TEE, 1/8"X1/8"X1/4" (2.7890)							1			1				1
	5129184	TEE, 1/4" PIPE (2.5149)	1	1	1	1	1	1	1				1	1	1	
	5145009	PLUG, 1/8" PIPE (12.9550)	1	1						2						
	5121182	PLUG, 1/4" PIPE (12.9550)	1	1	1	1	1	1	1				1			
		12.4070 - TUBE, AIR COMPRESSOR OIL DRAIN														
2D	2337354	HOSE, FLEX. (16 1/8" L.)							1		1	1				1
2D	5131358	HOSE, FLEX. (12"L.) (3.5505)								1						
2D	5135293	* HOSE, FLEX. (42" L.)												1	1	
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)							1	1	1	1				1
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9550)													1	
	108686	ELBOW, 1/2 -90 DEG. STREET (12.9550)												1		
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)							1							1
	5113215	FITTING, HOSE (1/2"-14) (12.6692)												1	1	
	137410	CONNECTOR, 5/8" TUBE, 1/2" PIPE (12.9460)												1		
	5132237	FITTING, HOSE (5/8" I.D.) (2.6005)												1		
	5113192	FITTING, HOSE (7/8"-14 SWIVEL)													1	
	444004	ADAPTOR, 1/2" PIPE (12.9565)							1		1	1				1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8521	8541	8559	8688	8722	8896	8998	9266	9277	9288	9444	9577	9588	9599
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE														
2A,C	**5153473**	CLIP, HOSE (4.6040)	1	1	1	1	1	1	1				1			
2A,C	**5131426**	CLIP, 1/2" (4.6040)													1	
2A,C	**5176400**	BRACKET, CLIP (4.8010)	1	1	1	1	1	1					1			
2A,C	**5177001**	CLIP,7/8" (8.3801)												1		
2A,C	**5160629**	SPACER, 13/32"X7/32" (4.2270)		1	1	1	1	1					1			
2A,C	**5157412**	SPACER, 7/8"X1/4" (7.4013)												1		
	180121	BOLT, 3/8"-16X7/8" (12.9001)	1	1	1	1	1	1					1			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1	1	1								1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)												1		
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)		1	1	1							1			
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)		1	1	1	1	1								
	186317	BOLT, 3/8"-24X5" (12.9001)		1											1	
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)		1												
	103341	WASHER, 3/8" FLAT (12.9190)	1	5	3	3	3						1			
	103321	LOCKWASHER, 3/8" (12.9200)	1	5	3	3	3	3					1		1	
	102635	NUT, 3/8"-16 HEX. (12.9120)	1	5	3	3	3	3					1		1	
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET														
2A,C	**5129157**	* HOSE, FLEX. (73" STD. L.) (16 7/8" REQD.) (CROSSOVER)	1				1									
2A,C	**5129157**	* HOSE, FLEX. (73" STD. L.) (33 3/4" L. REQD.)	1													
2A,C	**5129157**	* HOSE, FLEX. (73" STD. L.) (24 1/2" L. REQD.)		1	1								1			
2A,C	**5129157**	* HOSE, FLEX. (73" STD. L.) (23" L. REQD.)				1	1		1							
2A,C	**5129157**	* HOSE, FLEX. (73" STD. L.) (36.50" L. REQD.)												1		
2A,C	**5129157**	* HOSE, FLEX. (73" STD. L.) (41.00" L. REQD.)													1	
2A,C	**5129157**	* HOSE (73" STD. L.) (27" L. REQD.)						1								
2A,C	**5129157**	$ HOSE (73" STD. L.) (10" L. REQD.)								1	1	1				1
2A,C	**5188017**	HOSE, FLEX. (12" L.) (8.3830)							1							
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)		1		1										
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	2	2	1	2	1	1	2	1	1	1	1			1
	5121825	FITTING, HOSE (EXT. 3/8" PIPE) (12.4080)								1	1	1				
	325715	ELBOW, 1/2"-90 DEG. (3.5505)												1	2	
	5120020	FITTING, HOSE (3/4"-16) (12.4085)	2	2	2	2	2	2	2	1	1	1	2	2	2	2
	142269	BUSHING, 1/2"X3/8" RED. PIPE (12.9570)								1	1	1				
	142767	BUSHING, 3/4"X3/8" PIPE RED. (12.9570)	1	1	1	1	1		1				1	1	1	
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)	1		1		1		1				1	1		
	444150	TEE, 3/8" PIPE (12.9616)	1													
	444136	TEE, 3/8" PIPE (12.9616)												1	1	
	118536	DRAINCOCK, 3/8" (12.9510)	1						1	2	2			1	1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8521	8544	8599	8688	8722	8896	8998	9226	9277	9288	9444	9557	9588	9599
		12.4085 - *TUBE, AIR COMPRESSOR WATER INLET* (CONT'D)														
		LENGTH SHOWN.														
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET														
2A,C	5129157	* HOSE (73" STD. L.) (19" L. REQD.)	1	1												
2A,C	5129157	* HOSE (73" STD. L.) (10" L.)							1	1	1	1				1
2A,C	5129157	* HOSE (73" STD. L.) (16 7/8" L. REQD.)			1		1									
2A,C	5129157	* HOSE (73" STD. L.) (39" L. REQD.)				1										
2A,C	5129157	* HOSE (73" STD. L.) (27" L. REQD.)												1		
2A,C	5129157	* HOSE (73" STD. L.) (12 1/2" L.)						1								
2A,C	5129157	* HOSE (73" STD. L.) (29" L. REQD.)											1		1	
2A,C	5188017	HOSE, FLEX. (12" L.) (8.3830)							1							
	444056	ELBOW, 3/8"-45 DEG. STREET (12.9590)					1	1								
	5101020	STRAP, HOSE (2.5255)												2		
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)		1					1							
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	1	1	1	3	1	1	3		1	1	2			
	2325715	ELBOW, 1/2" TUBE 90 DEG. (3.5505)								1	1	1		1		1
	5130294	ELBOW, 1/2" TUBE 45 DEG. (12.4090)														1
	5120020	FITTING, HOSE 3/4"-16 (12.4085)	2	2	6	6	2	2	2	2	2	2	2	2	2	
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)	1		1	1			1	1			1			1
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)		1					1	1	1	1		1	1	1
	118752	CONNECTOR, 1/2" FL. TUBE (12.9480)	1		1	1		1	1				1	1	1	
	5142335	PLUG, SPECIAL (1.2001)					1	1								
	444136	TEE, 3/8" PIPE (12.9616)							1							
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.														
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE														
2A,C	5151189	CLIP, 3/4" (4.8040)	1	1	1	3	1	1	1				1	2	4	
2A,C	5179861	BRACKET, CLIP (7.3245)							1				1			
2A,C	5126358	BRACKET (4.6040)												1	1	
2A,C	5127861	BRACKET, CLIP (7.1587)													1	
2A,C	5160629	SPACER (13/32"X7/32") (4.2270)							1							
	179837	BOLT, 3/8"-16X3/4" (12.9001)													2	
	180121	BOLT, 3/8"-16X7/8" (12.9001)							1							
	186627	BOLT, 3/8"-16X1" (12.9001)												1	1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)											1			
	103321	LOCKWASHER, 3/8" (12.9200)											1	1	2	
	102635	NUT, 3/8"-16 HEX. (12.9120)											1		2	
	117049	NUT, 3/8"-24 HEX. (12.9120)												1	1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8522	8544	8559	8688	8722	8896	8898	9226	9227	9228	9444	9557	9558	9559
		12.4300 - STRAINER, AIR COMPRESSOR														
2A	5100411	STRAINER ASSY.			1		1							1		
2A,C	5110410	@ GASKET	1				1							1		
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)			2		2							2		
	103320	LOCKWASHER, 5/16" (12.9200)			2		2							2		
		@ FURNISHED WITH AIR COMPRESSOR.														
		12.4305 - GOVERNOR, AIR COMPRESSOR														
	5144307	KIT, GOVERNOR					1									
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET														
2A,C	5143985	HOSE, 3/4"I.D.X6.46" L.		1									2			
2A,C	5102794	HOSE, 3/4" I.D.X5.08" L.		1												
2A,C	5139800	HOSE, FLEX. (10.50"L.)									1					
2A,C	5138542	HOSE, #12 73 1/2" L. (11" L. REQD.)		1									1			
2A,C	5118113	HOSE, FLEX 1"X14" L.														1
2A,C	5118149	* HOSE, FLEX. 1"X3.50" L.			1		1									
2A,C	5117747	HOSE, 1" I.D.X7.37"L.								1						
2A,C	5189769	FLANGE (ELBOW)								1	1					
2A,C	5132103	FLANGE	2			2										
2A,C	5144179	FLANGE		1					1				1			
2A,C	5132103	FLANGE							1		1					
	5114551	TAG, CABLE		1	1	1	1	1					1			
	9139801	CLAMP, HOSE (9/16"-1 1/16") (12.9660)		2						2			2			2
	2337379	CLAMP									1					
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)			1		1									
	144086	TEE, 3/4" PIPE (12.9490)			1		1									
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)						1								
	5181801	ELBOW, 3/4"-1" PIPE (5.1261)			1		1			1	1					1
	5189769	ELBOW														1
	108686	ELBOW, 1/2" 90 DEG. STREET (12.9510)		1												
	189837	CONNECTOR, 3/4" TUBE (12.9460)		1									1			
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)		1												
	5145009	PLUG, 1/8" PIPE (12.9550)	1			1		1								
	5145014	PLUG, 3/8" PIPE (12.9550)	12													
	5144235	PLUG, 3/8"X2" DIA. (12.9550)						1								
	5142549	PLUG, 3/4" PIPE (12.9550)	1			2			2							
	179816	BOLT, 5/16"-18X3/4" (12.9001)								2	2					2
	180078	BOLT, 5/16"-18X7/8" (12.9001)							2				2			
	186629	BOLT, 5/16"-18X1" (12.9001)	4			4						2				
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)		2												
	103320	LOCKWASHER, 5/16" (12.9200)	4	2		4			2	2	2	2	2			2
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.														

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 960	961	962	963	964	965	966	967	968	969	970	971	972	974
		12.4001 - COMPRESSOR ASSY., AIR														
		NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH *THEIR ASSY. PART NUMBER WHICH IS* SHOWN IN PARENTHESES BELOW).														
2A,C	**5102066**	COMPRESSOR (#285924)	1	1	1	1		1				1	1	1	1	
2A,C	**5102067**	COMPRESSOR (#285923)					1		1	1	1					
2A,C	**5101017**	COMPRESSOR (#285970)														1
2A,C	**5100886**	* COMPRESSOR (#285991)													1	
	118536	*DRAINCOCK, 3/8" (12.9510)*	1	1											1	
	5145009	PLUG, 1/8" PIPE SKT. HD. (12.9027)	2		1	1		1	1			1		1		
	5145014	PLUG, 3/8" PIPE SKT. HD. (12.9027)							6							
	5115214	PLUG, 1/2" PIPE (12.9550)	1				2									
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	6	6	6	6		6				6	6	6	6	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)							6							
	138269	BOLT, 7/16"-14X1 3/4" (12.9001)					2									
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)					4			4	4					
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)													4	4
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)							1							
	103322	*LOCKWASHER, 7/16" (12.9200)*	6	6	6	6	6	6	6	6	6	6	6	6	6	
	103323	LOCKWASHER, 1/2" (12.9200)														4
	271500	NUT, 7/16"-14 HEX. (12.9120)					6				6					
	102637	NUT, 1/2"-13 HEX. (12.9120)							1							
		* FLANGE MOUNTED.														
		12.4005 - *GASKET, AIR COMPRESSOR MOUNTING*														
2A,C	**5131939**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	
2A,C	**5104506**	GASKET (1.5040)														1
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING														
2D	**5138478**	BRACKET (MOUNTING)	1	1									1		1	
2D	**5143874**	BRACKET (MOUNTING)			1	1		1				1		1		
2D	**5144155**	*BRACKET (MOUNTING)*					1			1	1					
2D	**5136217**	BRACKET (MOUNTING)							1							
2D	**5102440**	BRACKET (SUPPORT)			1	1		1				1		1		
2D	**5102441**	BRACKET (SUPPORT)			1	1		1				1		1		
2D	**5102398**	BRACKET (SUPPORT)	1	1									1		1	
2D	**5102399**	BRACKET (SUPPORT)	1	1									1		1	
2D	**5102397**	BRACKET (SUPPORT)					1			1	1					
2D	**5131445**	*BRACKET (ADJUSTING)*							1	1	1					
2D	**5145417**	PLATE (SUPPORT)	1	1	1	1		1				1	1	1	1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9600	9601	9602	9603	9604	9605	9606	9607	9608	9609	9700	9701	9702	9704
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)														
2A,C	5152904	GASKET (12.4012)						2								
2A,C	5164294	SPACER (7.1581)	2	2	2	2		2				2	2	2		
2A,C	5160629	SPACER, 13/32"X7/32" (4.2270)							1							
2A,C	5157412	SPACER, 7/8" O.D.X13/32" I.D.X 1/4"						2				2				
	5136148	SHIM (.002")					1			1	1					
	5163906	SPACER, 1/4"X13/16"						1				1				
	5136147	SHIM (.005")					1			1	1					
	5126323	SHIM (.012") (4.4115)					1			1	1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	3									2		3	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2		2				2	2	2	2	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			2	2		2				2				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	2	2	2	2		2				2	2	2	1	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			2	2		2				2		2		
	5135182	BOLT, 3/8"-24X2 1/4" (ADJUSTING)	1	1									1		1	
	5143758	BOLT, 3/8"-24X2 3/4" (12.9001)			1	1		1				1		1		
	186813	BOLT, 3/8"-24X6" (12.9001)								1	1					
	5131478	BOLT, 3/8"-24X6"							1							
	186324	BOLT, 3/8"-24X6 1/2"					1									
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	10	4	10	4	3	10		3	3	4	4	4		
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)					1		1							
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	2	2						1	1		2		2	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)			1	1		1				1	1		1	
	427570	BOLT, 7/16"-14X2" (12.9001)					1		1							
	454947	BOLT, 7/16"-14X2 1/4" (12.9001)								1	1					
	5128076	BOLT, 7/16"-14X4"	1	1	1	1		1				1	1	1	1	
	122408	BOLT, 1/2"-13X1" (12.9001)					1			1	1					
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	1	1								1				
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)					1		1	1	1					
	220470	BOLT, 9/16"-12X1 3/4" (12.9001)			2	2		2				2		2		
	103341	WASHER, 3/8" (12.9190)	2	2	2	2	1	2		1	1	2	2	2	2	
	5138619	WASHER, 25/64"X3/4"X.083 (4.1512)						1								
	103342	WASHER, 7/16" FLAT (12.9190)	6	6	4	4		4				4	6	4	6	
	5138629	WASHER, 19/32"X 1.50"X.266"						2				2				
	5109949	WASHER (17/32" I.D.) (5.4025)					2		2	2	2					
	103321	LOCKWASHER, 3/8" (12.9200)	7	7	7	7		7			1	7	7	7	7	
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	12	6	5	6	1	5	5	6	6	6	6	
	103323	LOCKWASHER, 1/2" (12.9200)	1	1			1		1	2	2		1		1	
	120898	LOCKWASHER, 9/16" (12.9200)			2	2		2				2		2		
	102635	NUT, 3/8"-16 (12.9120)	2	2	2	2		2					2	2	2	
	117049	NUT, 3/8"-24 HEX. (12.9120)	1	1	1	1		1			1	1	1	1	1	
	441292	NUT, 7/16"-14 LOCK (12.9120)	1	1									1		1	
	102637	NUT, 1/2"-13 HEX. (12.9120)					1		1	1	1					
		12.4015 - PULLEY, AIR COMPRESSOR														
2D	5117740	PULLEY (1 GROOVE, 7.50" DIA.)	1	1									1		1	
2D	5177009	PULLEY (2 GROOVES, 6.25" DIA.)			1	1		1				1		1		
2B	5162966	PULLEY (2 GROOVES, 6.25" DIA.)							1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 60	61	62	63	64	65	66	67	68	69	70	71	72	74
		12.4015 - *PULLEY, AIR COMPRESSOR* (CONT'D)														
2B,D	5133616	PULLEY (2 GROOVE, 5.00" DIA.)								1	1					
	103385	PIN, 1/8"X1" COTTER (12.9250)	1	1	1	1		1	1		1	1	1	1	1	
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)								1						
	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)								1						
		12.4017 - *PULLEY, AIR COMPRESSOR DRIVE*														
2D	5133615	PULLEY (2 GROOVE, 5.00" DIA.)					1			1	1					
2D	5177236	PULLEY (2 GROOVE, 6.25" DIA.)							1							
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)					1		1	1	1					
	272906	NUT, 3/4"-16 HEX. LOCK (12.9140)					1		1	1	1					
		12.4020 - ADAPTOR, AIR COMPRESSOR														
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.														
2B,D	5131402	RETAINER ASSY. (1.7645)					1		1	1	1					
	179858	BOLT, 7/16"-14X1" (12.9001)					1		1	1	1					
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)					4		4	4	4					
	5125108	WASHER, 7/16" (12.4030)					1			1	1					
	103323	LOCKWASHER, 1/2" (12.9200)					4		4	4	4					
		12.4037 - PLATE, AIR COMPRESSOR DRIVE														
2B	5170450	PLATE (STEEL) (1.7630)					1		1	1	1				1	1
	5145092	BOLT, 3/8"-24X1.20" (SELF LOCK)					4		4	4	4				4	4
		12.4040 - HUB, AIR COMPRESSOR DRIVE														
2A,C	5144866	HUB													1	1
2A,C	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)													1	1
		12.4045 - BELT, AIR COMPRESSOR DRIVE														
2D	5134212	BELT SET (2 BELTS, 48"L.) (1.3320)			1							1		1		
2D	5126771	BELT SET (2 BELTS, 49"L.)						1								
2D	5126763	BELT SET (2 BELTS, 40"L.)									1					
2D	5130529	BELT SET (2 BELTS, 45.50" L.(1.3320)							1							
2D	5145730	BELT (.785"X48.00"L.)	1	1									1		1	
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE														
2B	5131130	SHAFT (1.7640)					1		1	1	1					

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9600	9601	9602	9603	9604	9605	9606	9607	9608	9609	9700	9701	9702	9704
	12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT															
2B	**907191**	BEARING (N.D. 5206W.) (1.7655)					1		1	1	1					
	12.4050 - COUPLING, AIR COMPRESSOR DRIVE															
2A,C	**5141773**	COUPLING														1
2A,C	**5140892**	COUPLING													1	
	12.4051 - SEAL, AIR COMPRESSOR DRIVE															
2B	**5131329**	SEAL (1.7660)					1		1	1	1					
	5131131	SPACER, SEAL (1.7665)					1		1	1	1					
	12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING															
2B	**9415285**	RING, LOCK (2 7/16" DIA.) (2.7470)					1		1	1	1					
	12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY															
2A,C	**2289944**	HOSE, FLEX. (10 1/2"L.) (7.4074)	1	1								1	1		1	
2A,C	**5136052**	HOSE, FLEX. (31.00"L.)			1	1		1				1		1		
2A,C	**5131140**	HOSE, FLEX. (36.00"L.)					1		1		1					
2A,C	**5126692**	HOSE, FLEX. (32.00"L.)								1						
2A,C	**5133163**	HOSE, FLEX. (21.00"L.)													1	
2A,C	**5138467**	HOSE, FLEX. (25.00"L.)														1
	116453	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9390)	1	1	1	1		1		1	1	1	1	1	1	
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)					1		1	1					1	
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)		1					1		1					
	225815	ELBOW, INV. FL. TUBE 90 DEG. (12.9480)														1
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)	1	1	1	1		1				1	1	1		
	179735	BUSHING, 3/4"X1/8" RED. PIPE (12.9570)													1	
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)					1		1		1					
	118748	CONNECTOR, 1/4" TUBE, 1/8" P.T. (12.9380)	1	1									1		1	
	118750	CONNECTOR, 3/8" TUBE, 1/4" P.T. (12.9380)								1						
	116436	CONNECTOR, 1/4" TUBE, 1/4" P.T. (12.9380)													1	
	444000	ADAPTOR, 1/4" PIPE (12.9560)													1	1
	5177752	TEE, 1/8"X1/8" INT.X 1/4" EXT.	1	1									1		1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 960	961	962	963	964	965	966	967	968	969	970	971	972	974
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)														
	178996	TEE, 1/8" PIPE (12.9616)					1									
	5129184	TEE, 1/4" PIPE (2.5749)								1					1	1
	5145009	PLUG, 1/8" PIPE (12.9550)					1								1	
	5121182	PLUG, 1/4" PIPE (12.9550)													1	1
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN														
	2337354	HOSE, FLEX. (16 1/8" L.)	1	1									1		1	
	5109830	HOSE, FLEX. (19 7/8" L.)			1	1		1				1		1		
	5138505	HOSE, FLEX. (50.00" L.)					1									
	5135293	* HOSE, FLEX. (12.50" L.)							1							
	5135293	* HOSE, FLEX. (42.00" L.)								1						
	5135293	* HOSE, FLEX. (9.00" L.)									1					
	137894	ELBOW, 1/2"-90 DEG. STREET (12.9590)			1	1		1		1		1		1		
	109429	ELBOW, 5/8"-90 DEG. FL. TUBE (12.9390)	1	1			1		1		1		1		1	
	444004	ADAPTOR, 1/2" PIPE (12.9565)	1	1									1		1	
	5113215	FITTING, HOSE 1/2"-14 (12.6692)							1	1	1					
	5120200	FITTING, FEMALE (1/2" HOSE X 3/4"- 16)	4			2						2	4		2	
	5132237	FITTING, HOSE 7/8"-14 (12.6689)								1						
	144034	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)	1		1							1	1	1	1	
	120062	BUSHING, 1"X1/2" RED. PIPE (12.9570)		1												
	116487	CONNECTOR, 5/8" TUBE (12.9380)			1	1	1	1				1		1		
	442325	CONNECTOR, 5/8" FL.TUBE (12.9460)								1						
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE														
2A,C	5153473	CLIP, 1/2" (4.6040)			2	2		2			2	2		2	1	1
2A,C	5151189	CLIP, 3/4" (4.8040)					1									1
2A,C	5177001	CLIP,								1						
2A,C	5127861	BRACKET, CLIP (7.1587)														1
2A,C	5176400	BRACKET, CLIP (4.8010)														1
2A,C	5157412	SPACER, 7/8"X13/32" (7.4013)								1						
	5160629	SPACER, 13/32"X7/32" (4.2270)														1
	179837	BOLT, 3/8"-16X3/4" (12.9001)					1									
	179838	BOLT, 3/8"-16X7/8" (12.9001)			2	2		2				2		2		2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)								1						
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)														1
	186317	BOLT, 3/8"-24X5" (12.9001)														1
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)														1
	103341	WASHER, 3/8" FLAT (12.9190)			2	2		2		1		2		2		1
	103321	LOCKWASHER, 3/8" (12.9200)			2	2	1	2		1		2		2		2

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9600	9601	9602	9603	9604	9605	9606	9607	9608	9609	9700	9701	9702	9704
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE (CONT'D)														
	102635	NUT 3/8"-16 FLAT (12.9190)														2
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.														
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET														
2A,C	**5129157**	* HOSE, FLEX. (10"L.)	1	1												
2A,C	**5129157**	* HOSE, FLEX. (29"L.)			1			1						1	1	
2A,C	**5129157**	* HOSE, FLEX. (12 1/2"L.)				1						1				
2A,C	**5129157**	* HOSE, FLEX. (36 1/2"L.)								1	1					
2A,C	**5129157**	* HOSE, FLEX. (30 1/2"L.)							1							
2A,C	**5129157**	* HOSE, FLEX. (23"L.)													1	
2A,C	**5129157**	* HOSE, FLEX. (24 1/2"L.)														1
2A,C	**5129157**	* HOSE, FLEX. (41" L.)					1									
	118757	ELBOW, 3/8"-90 DEG. INV. PL. TUBE (12.9390)	1	1	2	1	1	1		1		1	1	1	2	2
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)					1									1
	5130294	ELBOW, 1/2" TUBE X 3/4" P.T. 45 DEG. (12.4090)				1						1				
	2325715	ELBOW, 1/2" TUBE 90 DEG. (3.5505)					1		1	1	1		1			
	118752	CONNECTOR, 1/2" FL. TUBE (12.9445)						1		1				1	1	
	5121825	FITTING, HOSE (3/8"-18)							1		1					
	5120020	FITTING, HOSE (3/4"-16)			2		2	2	1	2	1			2	2	2
	142767	BUSHING 3/4"X3/8" RED. (12.9570)		1	1	1	1	1	1	1	1	1	1	1	1	1
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)				1		1				1		1		
	120280	TEE, 3/8" PIPE (12.9616)				1		1				1		1		
	444136	TEE, 3/8" PIPE (12.9616)							1	1	1				1	
	118536	DRAINCOCK, 3/8" (12.9510)						1			1			1	1	
	9424977	DRAINCOCK, 1/2" (12.9510)			1			1						1		
	5145014	PLUG, 3/8" PIPE (12.9550)							1							
	5101020	STRAP, HOSE (2.5255)						2		2						
	444002	ADAPTOR, 3/8" PIPE (12.9565)								1						
		* STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.														
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET														
2A,C	**5129157**	* HOSE, FLEX. (10"L.)	1	1	1	1		1				1		1	1	
2A,C	**5129157**	* HOSE, FLEX. (29"L.)					1									1
2A,C	**5129157**	* HOSE, FLEX. (36 1/2"L.)							1							
2A,C	**5129157**	* HOSE, FLEX. (27"L.)								1						
2A,C	**5129157**	* HOSE, FLEX. (38"L.)									1					
	5130294	ELBOW, 1/2 TUBE 45 DEG. (12.4090)	1	1									1			
	444056	ELBOW, 3/8" 45 DEG. STREET (12.9590)					1									
	118757	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)	1	1	1	1		1				1		1	2	1
	2325715	ELBOW, 1/2"-90 DEG. (3.5505)	1	1	1	1	1	1	2	1	2	1		1	1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 960	961	962	963	964	965	966	967	968	969	970	971	972	974
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)														
	5121825	FITTING, HOSE 3/8"-18				1										
	5120020	FITTING, HOSE 3/4"-16 (12.4085)		4	2	2	1	2	2	2	2	2		2	2	2
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)	1	1									1		2	1
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)	1	1	1	2		1		1		1		1	1	
	118752	CONNECTOR, 1/2" FL. TUBE (12.9480)						1		1					1	1
	147885	TEE, 3/4"-14 (12.9460)						1								
	9424977	DRAINCOCK, 1/2" (12.9550)				1				1		1				
	118536	DRAINCOCK, 3/8" (12.9550)					1									
	5142345	PLUG, ADAPTOR SPL. (1.2001)					1									
	5125237	PLUG, 1/4" PIPE (1.2001)					1									
	5114551	TAG, CABLE (7.4545)					2									
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE														
2A,C	5153473	CLIP, 1/2"X3/8"BOLT (4.6040)					1									
2A,C	5151189	CLIP, 3/4" (4.8040)					3		2	3	4				2	1
2A,C	5126358	BRACKET (4.6040)					1			1	1					
2A,C	5179861	BRACKET, CLIP (7.3245)													1	
2A,C	5127861	BRACKET, CLIP (7.1587)													1	
2A,C	5160629	SPACER (13/32"X7/32") (4.2270)									1				1	
	132273	SCREW, 1/4"-20X1" FIL. HD. (12.9010)							1		1					
	186627	BOLT, 3/8"-24X1" (12.9001)					1			1	1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)													1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)													1	
	120392	WASHER, 1/4" FLAT (12.9190)							1		1					
	103341	WASHER, 3/8" FLAT (12.9190)							1							
	103321	LOCKWASHER, 3/8" (12.9200)					1			1	1				2	
	117049	NUT, 3/8"-24 HEX. (12.9120)					1			1	1					
	102635	NUT, 3/8"-16 HEX. (12.9120)														2
		12.4375 - TUBE & ELBOW ASSY. AIR COMPRESSOR BOOSTER INLET														
2C	5138542	* HOSE, #12X33" L.			1											
2C	5132103	FLANGE			1											
	3291272	ELBOW, 1/2"-90 DEG. (1.1100)			2											
	144034	BUSHING, 3/4" X 1/2" RED. (12.9570)			1											
	5186840	CLAMP, 1" HOSE (12.9660)			2											
	5115214	PLUG, 1/2" PIPE (12.9550)			1											
	5155564	CLIP, 1"			1											
	186629	BOLT, 5/16"-18 X 1" (12.9001)			2											
	186315	BOLT, 3/8"-24 X 4 1/2"			1											
	103320	LOCKWASHER, 5/16" (12.9200)			1											

* STD. LENGTH HOSE CUT TO LENGTH SHOWN.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9076	9077	9083	10048	10061	10062	10064	10070	10071	10074	10075	10082	11018	
		12.4001 - COMPRESSOR ASSY. AIR														
		NOTE: SERVICE ON COMPONENT PARTS OF COMPRESSOR IS HANDLED BY BENDIX WESTINGHOUSE OR MIDLAND ROSS. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.														
	NPN	COMPRESSOR (CUSTOMER FURNISHED)														
2A,C	5101018	COMPRESSOR, 12 CFM (BW285977)			1											
2A,C	5106991	COMPRESSOR, 24 CFM (BW-276615)	1	1												
2A,C	5102066	COMPRESSOR, 12 CFM (BW-285924)				1										
2A,C	5102067	COMPRESSOR, 12 CFM (BW-285923)													1	
	5106140	COMPRESSOR, 7 CFM (N-5504-B) (EL-740)					1	1		1	1	1				
	5106139	COMPRESSOR, 7 CFM (N-5504-A) (EL-740)							1				1			
2A,C	5106859	COMPRESSOR, 16 CFM (N-7205-F)												1		
	118536	DRAINCOCK, 3/8" (12.9510)			1	1									1	
	103375	PIN, 3/32" X 1 1/4" (12.9250)			1	1		1	1	1	1	1	1	1		
	103385	PIN, 1/8" X 1" (12.9250)													1	
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1												
	186647	BOLT, 1/4"-20 X 1" (12.9001)			1											
	454933	BOLT, 7/16"-14 X 1 1/8" (12.9001)				6									6	
	442733	BOLT, 1/2"-13 X 1 1/4" (12.9001)											4			
	179884	BOLT, 1/2"-13 X 1 3/8" (12.9001)			4		4	4	4	4	4	4		4		
	179893	BOLT, 1/2"-13 X 3" (12.9001)	4	4												
	179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)						2					2			
	103319	LOCKWASHER, 1/4" (12.9200)			1											
	120392	WASHER, 9/32" X 5/8" (12.9190)			1											
	103323	LOCKWASHER, 1/2" (12.9200)	4	4	4		4	4	4		4	4	4	4		
	103322	LOCKWASHER, 7/16" (12.9200)	4	4		6									6	
	103320	LOCKWASHER, 5/16" (12.9200)						2								
	102637	NUT, 1/2"-13 HEX. (12.9120) * REPLACES SELECTOR VALVE LEVER ON MARINE APPLICATIONS.	4	4												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING														
2A,C	5131939	GASKET				1									1	
2A,C	5110410	GASKET						1					1			
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING														
2D	5102275	BRACKET, SUPPORT	1	1												
2D	5138478	BRACKET, MOUNTING				1									1	
2D	5102273	BRACKET, SUPPORT	1	1												
2D	5101669	BRACKET, SUPPORT (FRT.)	1	1												
2D	5102398	BRACKET, SUPPORT (UPPER)				1										
2D	5102399	BRACKET				1										
2D	5145417	PLATE, SUPPORT				1									1	
2D	5143842	PLATE	1	1												
	5164294	SPACER, 7/8" (7.1581)	7	7												
	5175705	SPACER, 13/32"				3										
	5160629	SPACER, 13/32" X 7/32" (4.2270)			1		1	1	1	1	1	1	1	1		
	100173	BOLT, 9/16"-12 X 1 3/4" (12.9001)	4	4												
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)	7	7		2										2
	426444	BOLT, 5/16"-16-18 X 3 1/4" (12.9001)	4	4												

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9776	9777	9833	10448	10612	10622	10644	10700	10711	10744	10755	10822	11008
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)													
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)	2	2											
	450517	BOLT, 3/8"-16 X 4 3/4" (12.9001)	2	2											
	5143758	BOLT, 3/8"-24 X 2 3/4"	1	1											
	5143645	BOLT, 1/2"-13 X 3 1/4"	1	1											
	179859	BOLT, 7/16"-14 X 1 1/8" (12.9001)				4									4
	427564	BOLT, 7/16"-14 X 1 3/8" (12.9001)				2									2
	5128076	BOLT, 7/16"-14 X 4"				1									1
	5135182	BOLT, 3/8"-24 X 2 1/4"				1									1
	450517	BOLT, 3/8"-16 X 4 3/4" (12.9001)					1								
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)					1	1	1	1	1	1	1	1	
	186283	BOLT, 3/8-16 X 3-1/2" (12.9001)				2									
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)				2									
	5159714	WASHER, 11/16" X 1/8"	4	4											
	187372	WASHER, 13/32" X 13/16" (12.9190)	1	1											
	103343	WASHER, 1/2" (12.9190)	1	1											
	103342	WASHER, 7/16" (12.9190)				6									6
	103341	WASHER, 3/8" (12.9190)				2	1		1			1			
	103330	LOCKWASHER, 9/16" (12.9200)	4	4											
	103321	LOCKWASHER, 3/8" (12.9200)	9	9		7	1	1	1	1	1	2	2	1	3
	103320	LOCKWASHER, 5/16" (12.9200)	4	4									2		
	103322	LOCKWASHER, 7/16" (12.9200)				6									6
	103323	LOCKWASHER, 1/2" (12.9200)				1									
	102635	NUT, 3/8"-16 (12.9120)	2	2		2	1	1	1	1	1	2	1	1	
	117049	NUT, 3/8"-24 (12.9120)	1	1		1									1
	114505	NUT, 1/2"-13 (12.9120)	1	1											
	441292	NUT, 7/16"-14 CAD. (12.9120)				1									1
		12.4015 - PULLEY, AIR COMPRESSOR													
2B,D	5162966	PULLEY (2 GROOVES, 6.25" DIA.)	1	1											1
2D	5117740	PULLEY (1 GROOVE 7.50" DIA.)				1									
	103385	PIN, 1/8" X 1" COTTER (12.9250)				1									1
		12.4037 - PLATE, AIR COMPRESSOR DRIVE													
2B	5170450	PLATE (STEEL) (1.7630)			1		1	1	1	1	1	1	1	1	
2B	5140814	SPACER (.20" THK.) (12.5015)											1		
	5145092	BOLT, 3/8"-24 X 1.20" (SELF LOCK)			4		4	4	4	4	4	4		4	
	5145091	BOLT, 3/8"-24 X 1.38" (SELF LOCK)											4		
		12.4040 - HUB, AIR COMPRESSOR DRIVE													
2A,C	5144866	HUB			1		1	1	1	1	1	1	1	1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9766	9767	9833	10048	10061	10062	10064	10070	10071	10074	10075	10082	11008
		12.4045 - BELT, AIR COMPRESSOR DRIVE													
2D	5139212	BELT SET (2 BELTS, 59" L.) (1.3320)	1	1											
2D	5145730	BELT (.785" X 48" L.)				1									
2D	5148226	V BELT (.597" X 46" L.) (7.1575)													1
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE													
2A,C	5141773	COUPLING			1		1	1	1	1	1	1		1	
2A,C	2394275	COUPLING											1		
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY													
2A,C	5126692	HOSE (32" L.)	1	1											
2A,C	2289944	HOSE (10 1/2" L.) (7.4074)				1									1
2A,C	5138467	HOSE (25" L.)					1	1	1	1	1	1		1	
2A,C	5109926	HOSE (25" L.)			1										
2A,C	5116929	HOSE (39" L.) (3.5500)											1		
	116453	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)	1	1		1									1
	118753	ELBOW, 1/4"-90 DEG. FL. TUBE (12.9480)	1	1	1								2		
	9409931	ELBOW, 1/8"-90 DEG. STR. (12.9590)			1	1									
	225815	ELBOW, 5/16"-90 DEG. FL. TUBE (12.9480)					1	1	1	1	1	1		1	
	189060	BUSHING, 3/4" X 1/4" RED. PIPE (12.9570)	1	1		1									1
	444000	ADAPTOR, 1/4" PIPE (12.9460)					1	1		1	1	1		1	
	5104722	ADAPTOR (12.4020)											1		
	5177752	TEE, 1/8" X 1/8" INT. X 1/4" EXT.				1									1
	5129184	TEE, 1/4" PIPE (2.5149)					1	1	1	1	1	1		1	
	2191465	TEE, SPECIAL (7.8295)			1										
	118748	CONNECTOR, 1/4" TUBE, 1/8" PIPE (12.9380)				1									1
	5121182	PLUG, 1/4" PIPE (12.9550)					1	1	1	1	1	1		1	
	138291	SCREW, 1/2"-13 (12.9027)											4		
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN													
	5133330	HOSE (21" L.) (9.1592)	1	1											
	2337354	HOSE (12" L.) (3.5505)				1									1
	9402801	ELBOW, 5/8"-45 DEG. (12.9590)	1	1											
	109429	ELBOW, 5/8"-90 DEG (12.9390)				1									1
	144034	BUSHING, 3/4" X 1/2" RED. (12.9570)	1	1											
	444004	ADAPTOR, 1/2" PIPE (12.9565)				1									1
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE													
2A,C	5151108	CLIP, 1/2" (12.4095)	1	1											
2A,C	5157702	CLIP, 1" (4.8040)	1			1									
2A,C	5153473	CLIP, 1/2" (4.6040)			1		1	1	1	1	1	1	1	1	
2A,C	5176400	BRACKET, CLIP (4.8010)			1		1	1		1	1	1	1	1	
2A,C	5151189	CLIP, 3/4" (4.8040)			1		1	1	1	1	1	1	1	1	
2A,C	9139801	CLAMP, 5/8" (12.9660)				2									
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)			1										
	9430221	BOLT, 3/8"-24 X 4 3/4" (12.9001)					1	1	1	1	1	1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 976	977	983	1048	1061	1062	1064	1070	1071	1074	1075	1082	1108
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE (CONT'D)													
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)			1	2		1		1	1		1	1	
	450517	BOLT, 3/8"-16 X 4 3/4" (12.9001)										1			
	186317	BOLT, 3/8"-24 X 5" (12.9001)												1	
	179882	BOLT, 1/2"-13 X 1 1/8" (12.9001)				1									
	103321	LOCKWASHER, 3/8" (12.9200)			1	2			1	1	1	1			
	102635	NUT, 3/8"-16 (12.9120)			1	2			1	1	1	1			
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET													
2A,C	5108553	HOSE (17 3/8" L.) (12.4090)	1	1											
2A,C	5129157	* HOSE (10" L.) (8.3830)				1									1
2A,C	5129157	* HOSE (24 1/2" L.) (8.3830)					1	1	1	1		1			
2A,C	5118149	* HOSE (3 1/2" L.) (4.1642)						1					1		
2A,C	5129157	* HOSE (14" L.) (8.3830)									1				
2A,C	5129157	* HOSE (23" L.) (8.3830)											1		
2A,C	5129157	* HOSE (16 7/8" L.) (8.3830)												1	
2A,C	5188017	HOSE (12" L.) (8.3830)	1	1											
2A,C	5129157	* HOSE (33 3/4" L.) (8.3830)			1										
	444042	ELBOW, 3/8"-90 DEG. STRG. (12.9550)	2	2			1		1			1		1	
	118757	ELBOW, 1/2"-90 DEG. TUBE (12.9390)	2	2	2	2	2	1	2	2	2	2	1	2	1
	5130294	ELBOW, 1/2"-45 DEG. TUBE (12.9390)				2									
	2325715	ELBOW, 1/2"-90 DEG. TUBE (3.5505)				1									
	5181801	ELBOW, 3/4" SPECIAL (5.2161)						1					1		
	144613	NIPPLE, 3/4" X 1 3/8" PIPE (2.9560)						1					1		
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4"-16)			2	4	2	2	2	2	2	2	2	2	
	5121825	FITTING, MALE (1/2" HOSEX3/8-18)													1
	118752	CONNECTOR, 1/2" FL. TUBE (1.29380)			1			1					1		
	444136	TEE, 3/8" PIPE (12.9616)			1										
	144086	TEE, 3/4" PIPE (12.9616)						1					1		
	147885	TEE, 3/4" STREET PIPE												1	
	142767	BUSHING, 3/4" X 3/8" RED. PIPE (12.9570)	2	2	1	1	1	1	1	1		1	1	1	
	142269	BUSHING, 1/2" X 3/8" RED. PIPE (12.9570)				1									1
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.													
		12.4087 - TUBE, AIR COMPRESSOR WATER CROSSOVER													
2A,C	5188017	HOSE (12" L.)	1	1											
	118757	ELBOW, 1/2"-90 DEG. TUBE (12.9390)	1	1											
	444042	ELBOW, 3/8" 90 DEG. STREET	1	1											
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET													
2A,C	5129157	* HOSE (12 1/2" L.) (8.3830)					1		1	1	1				
2A,C	5129157	* HOSE (16 7/8" L.) (8.3830)						1						1	
2A,C	5129157	* HOSE (29" L.) (8.3830)										1			
2A,C	5129157	* HOSE (27" L.) (8.3830)											1		
2A,C	5129157	* HOSE (10" L.) (8.3830)			1										
2A,C	5129157	* HOSE (10" L.) (8.3830)													1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9706	9707	9083	1048	1061	1062	1064	1070	1071	1074	1075	1082	1108
		12.4090 TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)													
	118757	ELBOW 1/2"-90 DEG. TUBE (12.9390)					1	1	1	1	1	1			1
	444056	ELBOW 3/8"-45 DEG. STREET (12.9590)					1	1		1	1			1	
	5130294	ELBOW 1/2"-45 DEG. TUBE											2		
	2325715	ELBOW 1/2"-90 DEG. TUBE (3.5505)												1	1
	118752	CONNECTOR, 1/2" TUBE (12.9380)			1		1	1	1	1	1	1	1	1	
	5120020	FITTING, FEMALE (1/2" HOSE X 3/4"-16)			2		2	2	2	2	2	2	2	2	2
	142269	BUSHING, 1/2" X 3/8" RED. PIPE (12.9570)			1							1	1		
	142767	BUSHING, 3/4" X 3/8" RED. (12.9570)													1
	5103922	PLUG, 3/8" (1.2001)					1	1	1	1	2			1	
	5114551	TAG, CABLE (7.4545)			1										
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.													
		12.4095 - CUP, AIR COMPRESSOR WATER TUBE													
2A,C	5127861	BRACKET, CLIP (4.6040)			1							1	1		
2A,C	5151189	CLIP, 3/4" (4.8040)			2							1	1		
	179837	BOLT, 3/8"-16 X 3/4" (12.9001)			1							1			
	186627	BOLT, 3/8"-24 X 1" (12.9001)											1		
	103321	LOCKWASHER, 3/8" (12.9200)			1							1	1		
	102635	NUT, 3/8"-16 (12.9120)			1							1			
	117049	NUT, 3/8"-24 (12.9120)											1		
		12.4300 - STRAINER, AIR COMPRESSOR													
2A	5110411	STRAINER ASSY.						1					1		
2A	5110410	GASKET						1					1		
	179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)						2					2		
	103320	LOCKWASHER, 5/16" (12.9200)						2					2		
		12.4305 - GOVERNOR, AIR COMPRESSOR													
	5144307	KIT, GOVERNOR						1					1		
		12.4375 - TUBE & ELBOW ASSY. AIR COMPRESSOR BOOSTER INLET													
2A,C	5138542	* HOSE (33" L.)	1												
2A,C	5138542	* HOSE (11" L.)					1		1			1			
2A,C	5143985	TUBE ASSY. (DEV. L. 4.96")					1		1			1			
2A,C	5102794	TUBE ASSY (DEV. L. 5.08")					1		1			1			
2A,C	5132103	FLANGE	2	2	1	1									1
2A,C	5144179	FLANGE					1		1			1			
	3291272	ELBOW, 1/2"-90 DEG. (1.1100)	2			2									

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9776	9777	9833	10448	10611	10622	10644	10700	10711	10744	10755	10822	11108
		12.4375 - TUBE & ELBOW ASSY. AIR COMPRESSOR BOOSTER INLET (CONT'D)													
	189837	CONNECTOR, 3/4" TUBE (12.9460)					1		1			1			
	144034	BUSHING, 3/4" X 1/2" RED. (12.9570)	1	1		1									
	5186840	CLAMP, 1" HOSE (12.9660)	2												
	9139801	CLAMP, 1 1/32" HOSE (12.9660)					2		2			2			
	5145014	PLUG, 3/8"-18 PIPE (12.9550)	6	6			2	6	2	2	2	2	2		
	5142549	PLUG, 3/4"-14 (12.9550)	1	1											
	5145009	PLUG, 1/8"-27 (12.9550)					1	1	1	1	1	1	1		
	5114551	TAG, CABLE					1	1	1	1	1	1	1		
	186629	BOLT, 5/16"-18 X 1" (12.9001)	4	4	2	2									2
	180078	BOLT, 5/16"-18 X 7/8" CAD. (12.9001)					2		2			2			
	103320	LOCKWASHER, 5/8" (12.9200)			2	2	2		2			2			2
	103321	LOCKWASHER, 3/8" (12.9200)	4	4											
		* STD. LENGTH HOSE CUT TO LENGTH SHOWN.													
		12.4385 - COVER, AIR COMPRESSOR MISCELLANEOUS													
2A	5127788	COVER (3/8" TAPPED HOLE) (1.1060)				1									1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1148	1169	1175	1178	1181	1185	1215
		12.4001 - COMPRESSOR ASSY., AIR							
		NOTE: SERVICE ON COMPONENT PARTS IS HANDLED BY BENDIX WESTINGHOUSE OR MIDLAND ROSS. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.							
2C	**8921208**	COMPRESSOR ASSY., 15.5 CFM (B.W. 101650)	1						
2C	**5101403**	COMPRESSOR ASSY; 12 CFM (B.W. 285924)						1	
2C	**5102066**	COMPRESSOR ASSY., 12 CFM (B.W.-285924)				1			
2C	**5144306**	# COMPRESSOR ASSY., 24 CFM (B.W. 282404)		1			1		
2C	**5101017**	COMPRESSOR ASSY., 12 CFM (B.W.-285970)			1				
2C	**5102067**	COMPRESSOR ASSY., 12 CFM (B.W. 285923)							1
	118536	DRAINCOCK, 3/8" (12.9510)				1		1	
	8925130	DRAINCOCK, 1/2" (12.9510)							1
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1	1	1	1	1		
	5145014	PLUG, 3/8" (12.9550)		12					
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4		4		4		
	180176	BOLT, 1/2" 13X1 3/8" (12.9001)		4					
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				6		4	6
	103323	LOCKWASHER, 1/2" (12.9200)	4	4	4		4		
	103322	LOCKWASHER, 7/16" (12.9200)				6		4	6
		# USE 8924380 AND 5145014 PLUGS AS REQUIRED.							
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING							
2A,2C	**5131939**	GASKET	1	1		1	1		1
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING							
2D	**5138478**	BRACKET, MOUNTING				1		1	1
2D	**5102398**	BRACKET, SUPPORT (UPPER)				1		1	
2D	**5102399**	BRACKET				1		1	
2D	**5145417**	PLATE, SUPPORT				1		1	1
	5175705	SPACER, 13/32" (8.3826)				3		1	
	5164294	SPACER, 7/8"-13/32X1/8" (7.1581)						2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2		2	2
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				4		4	4
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)				2		2	2
	5128076	BOLT, 7/16"-14X4" (12.4010)				1		1	1
	5135182	BOLT, 3/8"-24X2 1/4" (12.4010)				1		1	1
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				2		2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				2		2	
	103342	WASHER, 7/16" (12.9190)				6		6	6
	103341	WASHER, 3/8" (12.9190)				2		2	
	103321	LOCKWASHER, 3/8" (12.9200)				7		5	3
	103322	LOCKWASHER, 7/16" (12.9200)				6		6	6
	103323	LOCKWASHER, 1/2" (12.9200)				1		1	
	102635	NUT, 3/8"-16 (12.9120)				2		2	
	117049	NUT, 3/8"-24 (12.9120)				1		1	1
	441292	NUT, 7/16"-14 CAD. (12.9120)				1		1	1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1148	1169	1175	1178	1181	1185	1215
		12.4015 - PULLEY, AIR COMPRESSOR							
2D	**5117740**	PULLEY (1 GROOVE 7.50" DIA.)				1		1	1
	103385	PIN, 1/8"X1" COTTER (12.9250)				1		1	1
		12.4037 - PLATE, AIR COMPRESSOR DRIVE							
2A,B	**5170450**	PLATE (1.7630)	1	1	1		1		
	5145092	BOLT, 3/8"-24X1.20" L. (12.5015)	4	4	4		4		
		12.4040 - HUB, AIR COMPRESSOR							
2A	**5144866**	HUB	1	1	1		1		
		12.4045 - BELT, AIR COMPRESSOR DRIVE							
2D	**5145730**	BELT (.785"X48" L.)				1			1
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE							
2A	**5141773**	COUPLING	1	1	1		1		
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY							
2A,C	**2289944**	HOSE (10 1/2" L.) (7.4074)				1		1	1
2A	**5138467**	HOSE, #5X25 1/2"	1	1	1		1		
2A	**8924153**	ELBOW, 5/16"-90 DEG. TUBE (12.9480)	1	1	1		1		
2A	**8924213**	ELBOW, 1/8"-90 DEG. STR. (12.9590)				1		1	
2A	**8924146**	ELBOW, 1/4"-90 DEG. (12.9390)				1		1	1
	8924172	ADAPTOR, 1/4"-18 PIPE (12.9460)	1	1	1		1		
	8924165	BUSHING, 3/4"X1/8" RED. (12.9570)							1
	8924166	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)				1		1	
	8924163	BUSHING, 3/4"X1/2" RED. PIPE (12.9570)						1	
2A	**8924200**	TEE, 1/4"-18 PIPE (2.5149)		1	1		1		
2A	**8925607**	TEE, 1/8"X1/8" (INT.X1/4" EXT. (12.9480)				1		1	1
2A	**8924147**	CONNECTOR, 1/4" 45 DEG. (12.9380)				1		1	1
	8924380	PLUG, 1/8" PIPE (12.9550)		1					
	5121182	PLUG, 1/4" PIPE (12.9550)	1		1		1		
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN							
	2337354	HOSE (16.12" L.) (12.4070)				1		1	1
	8925076	ELBOW, 5/8"-90 DEG. (12.9390)				1		1	1
	8924174	ADAPTOR, 1/2" PIPE (12.9565)				1		1	1
	8925298	BUSHING, 1"X1/2" RED. (12.9570)							1
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE							
2A	**5153473**	CLIP, 1/2" TUBE (4.6040)	1	1	1		1		
2A	**5151189**	CLIP, 3/4" (4.8040)					1		
2A	**5176400**	BRACKET, CLIP 1/2" TUBE (4.8010)	1	1	1		1		
2A,C	**5157702**	CLIP, 1" (4.8040)				1		1	
2A	**5160629**	SPACER, 13/32"X7/32" (4.2270)	1	1	1		1		
2A,C	**9139801**	CLAMP, 5/8" (12.9660)				1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 11148	11169	11175	11178	11181	11185	12155
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE (CONT'D)							
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1	1	1		1		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1			2			
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)		1	1		1		
	9430221	BOLT, 3/8"-24X4 3/4" (1.2080)		1	1		1		
	186317	BOLT, 3/8"-24X5" (12.9001)	1						
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)	1						
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)				1			
	103341	WASHER, 3/8" (12.9190)		1	1		1		
	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1	2	1		
	102635	NUT, 3/8"-16 (12.9120)	1	1	1	2	1		
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET							
2A,C	5129157	+ HOSE, 1/2"X10" L. CROSSOVER	1	1		1		1	1
2A,C	5129157	+ HOSE, 1/2"X23" L.		1					
2A,C	5129157	+ HOSE, 1/2"X19" L.					1		
2A,C	5129157	+ HOSE, 1/2"X24 1/2" L.	1		1				
	5120020	FITTING, HOSE 3/4"-16	2	4	2	4	2	2	2
	8924175	ELBOW, 3/8"-90 DEG. ST. (12.9590)	1		1		1		
	8924220	ELBOW, 1/2"-90 DEG. TUBE (3.5505)				1			
	8924150	ELBOW, 1/2"-90 DEG. TUBE (12.9390)	1	4	2	2	2	1	1
	8924201	ELBOW, 1/2"-45 DEG. TUBE (12.4090)				2			1
	8924159	BUSHING, 3/4"X3/8" RED. (12.9570)	1	1	1	1	1		
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)				1		1	1
	147885	TEE, 3/4" PIPE (12.9616)	1						
		+ STD. LENGTH HOSE; CUT TO LENGTH SHOWN							
		12.4087 - TUBE, AIR COMPRESSOR WATER CROSSOVER							
	5129157	+ HOSE, 1/2"X10" L. (8.3830)					1	2	
	8924150	ELBOW, 1/2"-90 DEG. FL. TUBE (12.9390)					2	1	
	5120020	FITTING, HOSE 3/4"-16					2		
		+ STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1141	1161	1175	1178	1181	1185	1215
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET							
2A,C	5129157	+ HOSE, 1/2"X12 1/2" L.	1						
2A,C	5129157	+ HOSE, 1/2"X29" L.			1				
2A,C	5102101	HOSE, 1/2"X39" L.		1					
2A,C	5129157	+ HOSE, 1/2"X19" L.					1		
2A,C	5129157	+ HOSE, 1/2"X10" L.							1
	5120020	FITTING, HOSE 3/4"-16 (12.4085)	2	2	2		2	2	2
	8925034	ELBOW, 3/8"-45 DEG. (12.9590)	1						
	8924201	ELBOW, 1/2"-45 DEG. (12.4090)						1	1
	8924220	ELBOW, 1/2"-90 DEG. (3.5505)	1						1
	8924150	ELBOW, 3/8"-90 DEG. FL. TUBE (12.9390)		1	1		1	1	
	8924158	*BUSHING, 1/2"X3/8" RED. (12.9570)*			1			1	
	8924159	BUSHING, 3/4"X3/8" RED. (12.9570)							1
	8924148	CONNECTOR, 1/2" 45 DEG. TUBE (12.9380)	1	1	1		1		
	5103922	PLUG, (1.2001)	1	1			1		
		+ STD. LENGTH HOSE; CUT TO LENGTH SHOWN.							
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE							
2A,C	5127861	BRACKET, CLIP (7.1587)		1					
2A,C	5151189	CLIP, 3/4" SPECIAL (4.8040)	1	3	1				
	179837	BOLT, 3/8"-16X3/4" (12.9001)		1					
	103321	*LOCKWASHER, 3/8" (12.9200)*		1					
	102635	NUT, 3/8"-16 (12.9120)		1					
		12.4300 - STRAINER, AIR COMPRESSOR ON COMPRESSOR							
	5110411	*STRAINER ASSY.*	1						
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2						
	103320	LOCKWASHER, 5/16" (12.9200)	2						
		12.4375 - TUBE, AIR COMPRESSOR BOOSTER							
2A,C	5143985	*TUBE (TO COMP.)*		2	2				
2C	5117747	HOSE, 7 3/8" L. (12.4375)							1
2A,C	5138542	+ HOSE, FLEX. 11" L.		1					
2A,C	5138542	+ HOSE, FLEX. 18" L.			1				
2A,C	5114551	TAG, CABLE (7.4545)	1	1	1		1		
2A,C	5144179	FLANGE		1	1				
2A,C	5132103	FLANGE		1		1	2	1	
2A,C	5189769	FLANGE							1
	108686	ELBOW, 1/2"-90 DEG. ST. (12.9510)		1					
	8924211	ELBOW, 1/2"-90 DEG. TUBE (2.5150)			1			2	
	8924187	ELBOW, 3/4"-90 DEG. TUBE (5.2161)							2
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)		1	1	1			
	8924167	CONNECTOR, 3/4" INV. FL. TUBE (12.9460)		1					
	9139801	CLAMP, 9/16"-1 1/16" (12.9660)		2	2			2	
	2337379	CLAMP, 1 1/2" HOSE (12.9660)							2
	8924380	PLUG, 1/8" (12.9550)					1		
	5145014	PLUG, 3/8" (12.9550)					12		
	5142549	PLUG, 3/4" (12.9550)		1			1		
	179816	BOLT, 5/16"-18X3/4" (12.9001)							2
	180078	BOLT, 5/16"-18X7/8" (12.9001)		2	2				
	186629	BOLT, 5/16"-18X1" (12.9001)		2		2	4	2	
	103320	LOCKWASHER, 5/16" (12.9200)		4	2	2	4	2	2
		+ STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1148	1169	1175	1178	1181	1185	1215
		12.4385 - COVER, AIR COMPRESSOR							
2A	**5127788**	COVER (3/8" TAPPED HOLE) (1.1060)				1		1	
	5144551	COVER (3/4" TAPPED HOLE) (WATER BELOW PORT BLOCK) (1.1040)							1
2A	**5127788**	*COVER (3/8" TAPPED HCLE) (1.1060)*							1
	8924380	PLUG, 1/8" PIPE SQ. SOC. W/SEAL (12.9550)							2

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4	7	8	11	12	13	17	22	26	31	32	37
		12.5001 - PUMP ASSY., HYDRAULIC												
		NOTE: COMPONENT PARTS OF HYDRAULIC PUMP ASSEMBLIES ARE SOLD BY VICKERS INC., DETROIT, MICHIGAN AND HYDRECO, CLEVELAND, OHIO. (FURNISH THEIR PART NUMBER WHICH IS SHOWN IN PARENTHESES.) ALL ITEMS LISTED IN THIS GROUP ARE SOLD BY DETROIT DIESEL ALLISON DIVISION.												
	NPN	PUMP ASSY. (CUSTOMER FURNISHED)	1				1	1		1	1			
4A	5184293	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-8-1C-LH) (13 GPM AT 2000RPM)		1								1		
4A	5184292	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-8-1C) (13 GPM AT 2000 RPM)			1								1	
4A	5188757	PUMP ASSY. (LESS ADAPTOR) (HYDRECO NO. 1515C12B1) (8 GPM AT 1800 RPM)				1								
	5111825	PUMP ASSY. (WITH ADAPTOR)							1					
-	5111826	+ PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-330-19-CL-LH)							1					
	5127125	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-8W-1C-D7-12-LH)												1
4A	100146	BOLT, 7/16"-14X1" (12.9001)		1	1							1	1	1
4A	180147	BOLT, 7/16"-14X1 1/4" (12.9001)											2	
4A	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		4	4							4		4
	5150568	WASHER (7/16" COPPER) (12.9190)		1	1							1	1	
4A	103322	LOCKWASHER, 7/16" (12.9200)		AR	AR							AR	AR	
4A	103323	LOCKWASHER, 1/2" (12.9200)		AR	AR							AR	AR	
		+ OBSOLETE.												
		12.5005 - GASKET, HYDRAULIC PUMP												
4A	5168852	GASKET	1	1	1							1	1	
4A,D	5188755	GASKET				1	1	1			1			
	5111828	GASKET							1	1				
		12.5006 - DRIVE ASSY., HYDRAULIC PUMP												
		INCLUDES ITEMS IN 12.5025, 12.5027, 12.5030, 12.5033 AND 12.5037.												
	5124137	DRIVE ASSY.									1			
	5132874	STUD (3/8"-24X5.34")									2			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									2			
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)									2			
	103321	LOCKWASHER, 3/8" (12.9200)									AR			
	117049	NUT, 3/8"-24 HEX. (12.9120)									2			

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4	4 7	8	11	12	13	17	22	26	31	32	37
		12.5010 - COUPLING, HYDRAULIC PUMP DRIVE												
4A,B	**5143616**	* COUPLING (21 EXTERNAL TEETH)	1	1	1	1	1	1	1	1		1	1	1
4A,B	**3292492**	@ COUPLING (1.7635) (23 EXTERNAL TEETH)	1	1	1	1	1	1	1	1		1	1	1
4C	**5145282**	COUPLING (9.1553)									1			
		* EFFECTIVE WITH 6VA-26942, 8VA-20436, 12VA-5673, 16VA-1186.												
		@ THRU 6VA-26941, 8VA-20435, 12VA-5672, 16VA-1185.												
		12.5015 - PLATE, HYDRAULIC PUMP DRIVE												
	5131627	* PLATE (21 TEETH)	1	1	1	1	1	1	1	1		1	1	1
4A,B	**5153449**	@ PLATE (1.7630) (23 TEETH)	1	1	1	1	1	1	1	1		1	1	1
4C	**5123082**	HUB (1.7635)									1			
4A,B	**5177026**	SPACER (1.7630)	1	1	1	1	1	1	1	1		1	1	1
4B	**5172734**	RETAINER (1.7207)				1	1	1						
4A,B	**5176474**	BOLT (1.7630)	4	4	4	4	4	4	4	4		4	4	4
4C	**181374**	BOLT, 3/8"-24X1 1/2" (12.9001)							3		3			
4C	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
		* EFFECTIVE WITH 6VA-26942, 8VA-20436, 12VA-5673, 16VA-1186.												
		@ THRU 6VA-26941, 8VA-20435, 12VA-5672, 16VA-1185.												
		12.5020 - ADAPTOR, HYDRAULIC PUMP												
4A	**5135907**	ADAPTOR	1	1	1							1	1	
4A	**5122386**	ADAPTOR				1	1	1						
4A	**5120828**	ADAPTOR							1	1				
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)				2	2	2						
	180121	BOLT, 3/8"-16X7/8" (12.9001)							6	6				
4A	**179839**	BOLT, 3/8"-16X1" (12.9001)	6	6	6							6	6	
	100146	BOLT, 7/16"-14X1" (12.9001)							1	1				
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)							4					
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)							1					
	103323	LOCKWASHER, 1/2" (12.9200)							4					
	117049	NUT, 3/8"-24 HEX. (12.9120)				2	2	2						
		12.5021 - GASKET, HYDRAULIC PUMP ADAPTOR												
	5117061	GASKET (1.5040)		1	1		1	1				1	1	
4A	**5150059**	GASKET (1.5060)				1						1		
4D	**5122227**	GASKET (1.5060)									1			

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4	7	8	11	12	13	17	22	26	31	32	37
		12.5025 - HOUSING, HYDRAULIC PUMP DRIVE												
4D	**5124135**	HOUSING									1			
		12.5027 - SHAFT, HYDRAULIC PUMP DRIVE												
4D	**5112516**	SHAFT									1			
4D	**5123124**	HUB									1			
4D	**106749**	KEY, 1/8"X1/2" WOODRUFF (12.9350)									1			
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE												
4A	**5168688**	GEAR	1	1	1							1	1	1
4A	**5188848**	GEAR (COUPLING)				1	1	1						
4A	**5111829**	GEAR (1/4" KEY)								1				
4D	**5182667**	GEAR (26 TEETH)									1			
4D	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)									1			
	103907	KEY, 3/16"X7/8" WOODRUFF (12.9350)		1	1							1	1	
	103375	*PIN, 3/32"X1 1/4" COTTER (12.9150)*				1	1	1						
	5188756	NUT (1/2"-28)				1	1	1						
		12.5033 - BEARING, HYDRAULIC PUMP DRIVE SHAFT												
4D	**903204**	BEARING BALL (5.1070)									2			
		12.5035 - GEAR, HYDRAULIC PUMP DRIVEN												
4D	**5188762**	GEAR (49 TEETH)									1			
4D	**103375**	PIN, 3/32"X1 1/4" COTTER (12.9250)									1			
4D	**5188756**	NUT (1/2"-28 HEX.) (12.5030)									1			
		12.5037 - ADAPTOR, HYDRAULIC PUMP DRIVE SHAFT BEARING												
4D	**5176949**	ADAPTOR									1			
4D	**5176947**	SPACER (1"O.D.)									1			
4D	**5176948**	SCREW, SET (3/8"-16X1.18")									1			
4D	**102635**	NUT, 3/8"-16 HEX. (12.9120)									1			

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	41	43	45	46	52	53	57	58
	12.5001	**- PUMP ASSY., HYDRAULIC**											
		NOTE: COMPONENT PARTS OF HYDRAULIC PUMP ASSEMBLIES ARE SOLD BY VICKERS INC., DETROIT, MICHIGAN AND HYDRECO, CLEVELAND, OHIO. (FURNISH THEIR PART NUMBER WHICH IS SHOWN IN PARENTHESES.) ALL ITEMS LISTED IN THIS GROUP ARE SOLD BY DETROIT DIESEL ALLISON DIVISION.											
4A	**5127127**	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-8W-1C-D7-12-LH) (7 GPM AT2100 RPM)	1										
	5119881	PUMP ASSY. (LESS ADAPTOR) (TUTHILL #OL) (2.2001)		1									
4A	**5127918**	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-5-1C-D4-12)			1								
4A	**5127512**	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. VT-17-100-40-95-10)					1						
4A	**5129051**	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-5-1C-D4-LH)						1					1
4A	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)					2						
4A	**100146**	BOLT, 7/16"-14X1" (12.9001)		1	1			1					1
4A	**180147**	BOLT, 7/16"-14X1 1/4" (12.9001)		2									
4A	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)		4	4			4					4
	5150568	WASHER (7/16" COPPER) (12.9190)		1	1								
4A	**103321**	LOCKWASHER, 3/8" (12.9200)					AR						
4A	**103322**	LOCKWASHER, 7/16" (12.9200)		AR	AR			AR					AR
4A	**103323**	LOCKWASHER, 1/2" (12.9200)		AR	AR			AR					AR
	12.5005	**- GASKET, HYDRAULIC PUMP**											
4A	**5168852**	GASKET	1		1			1					1
4A,D	**5188755**	GASKET				1							
	5172915	GASKET (2.2007)		1									
4A	**5124926**	GASKET					1		1	1			
	12.5007	**- PULLEY, HYDRAULIC PUMP DRIVE**											
	5108484	PULLEY									1		
	12.5009	**- BELT, HYDRAULIC PUMP DRIVE**											
	5126761	BELT SET (2 BELTS-43.76"L.,.500"W.) (1.3320)									1		

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	41	43	45	46	52	53	57	58
		12.5010 - COUPLING, HYDRAULIC PUMP DRIVE											
4A,B	**5143616**	* COUPLING (21 EXTERNAL TEETH)	1	1	1	1		1	1				1
4A,B	**3292492**	@ COUPLING (1.7635) (23 EXTERNAL TEETH)	1	1	1	1		1	1				1
4C	**5145282**	COUPLING (9.1553)					1			1		1	
		* EFFECTIVE WITH 6VA-26942, 8VA-20436, 12VA-5673, 16VA-1186.											
		@ THRU 6VA-26941, 8VA-20435, 12VA-5672, 16VA-1185.											
		12.5015 - PLATE, HYDRAULIC PUMP DRIVE											
	5131627	* PLATE (21 TEETH)	1	1	1	1		1	1				1
4A,B	**5153449**	@ PLATE (1.7630) (23 TEETH)	1	1	1	1		1	1				1
4C	**5123082**	HUB (1.7635)					1			1		1	
4A,B	**5177026**	*SPACER (1.7630)*	1	1	1	1		1	1				1
4B	**5172734**	RETAINER (1.7207)				1							
4A,B	**5176474**	BOLT (1.7630)	4	4	4	4		4					4
4C	**181374**	BOLT, 3/8"-24X1 1/2" (12.9001)					3			3		3	
4A,B	**5176475**	BOLT (12.4037)							4				
4C	**103321**	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR		AR	AR
		* EFFECTIVE WITH 6VA-26942, 8VA-20436, 12VA-5673, 16VA-1186.											
		@ THRU 6VA-26941, 8VA-20435, 12VA-5672, 16VA-1185.											
		12.5020 - ADAPTOR, HYDRAULIC PUMP											
4A	**5135907**	ADAPTOR			1			1					1
4A	**5122386**	ADAPTOR				1			1				
4A	**5123814**	ADAPTOR	1										
4A	**5125179**	*ADAPTOR (2.2260)*		1									
4A	**5108955**	ADAPTOR (POWER STEERING PUMP)					1						
4A	**5108954**	ADAPTOR (POWER STEERING PUMP)								1			
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)				2			2				
4A	**180121**	BOLT, 3/8"-16X7/8" (12.9001)								2			
4A	**179839**	BOLT, 3/8"-16X1" (12.9001)	6		6			6					6
4A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)					2						
4A	**186315**	BOLT, 3/8"-24X4 1/2" (12.9001)								3			
4A	**450517**	BOLT, 3/8"-24X4 3/4" (12.9001)					4						
4A	**186318**	BOLT, 3/8"-24X5 1/4" (12.9001)								1			
	100146	BOLT, 7/16"-14X1" (12.9001)	1										
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4										
4A	**103321**	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR	AR	AR	AR			AR
	103322	LOCKWASHER, 7/16" (12.9200)	1										
	103323	LOCKWASHER, 1/2" (12.9200)	4										
	117049	NUT, 3/8"-24 HEX. (12.9120)				2			2	1			

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	41	43	45	46	52	53	57	58
		12.5021 - GASKET, HYDRAULIC PUMP ADAPTOR											
	5117061	GASKET (1.5040)		1		1		1					1
4A	5150059	GASKET (1.5060)			1								
4D	5122227	GASKET (1.5060)					1			1		1	
		12.5022 - STRAP, HYDRAULIC PUMP ADJUSTING											
	5100359	STRAP									1		
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)									1		
	103343	WASHER, 1/2" FLAT (12.9190)									1		
	103323	LOCKWASHER, 1/2" (12.9200)									1		
		12.5023 - BRACKET, HYDRAULIC PUMP SUPPORT											
	5108463	+ BRACKET									2		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									2		
	186627	BOLT, 3/8"-24X1" (12.9001)									2		
	103321	LOCKWASHER, 3/8" (12.9200)									AR		
	121932	NUT, 3/8"-24 HEX. (12.9120)									2		
		+ OBSOLETE.											
		12.5025 - HOUSING, HYDRAULIC PUMP DRIVE											
4C	5117723	* SUPPORT ASSY. (1.7645)					1			1		1	
4C	5117116	GASKET, SUPPORT					1			1		1	
	5150829	PLUG (7/8"O.D. EXPANSION)					1			1		1	
	274889	PIN, 1/8"X1/4" SPRING (12.9270)					1			1		1	
	141126	PIN, 5/32"X1/4" DOWEL (12.9290)					2			2		2	
4C	181361	BOLT, 3/8"-24X7/8" (12.9001)					2			2		2	
4C	5152148	WASHER, 3/8" FLAT (COPPER)					2			2		2	
4D	103321	LOCKWASHER, 3/8" (12.9200)					AR			AR			
		* INCLUDES 5150829 PLUG, 141126 PINS AND 274889 PIN IN 12.5025.											
		12.5027 - SHAFT, HYDRAULIC PUMP DRIVE											
4D	5127670	HUB					1			1		1	
4D	106749	KEY, 1/8"X1/2" WOODRUFF (12.9350)					1					1	
	120898	LOCKWASHER, 9/16" (12.9200)					1			1		1	
	103028	NUT, 1/2"-20 HEX. (12.9120)					1			1		1	
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE											
4A	5168688	GEAR	1		1			1					1
4A	5127394	GEAR				1							
4C	5122917	GEAR ASSY. (INCLUDES BUSHING)					1			1		1	

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	41	43	45	46	52	53	57	58
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE (CONT'D)											
		(1.7630)											
4A	5129197	GEAR							1				
	5120501	BUSHING (3.4355)					2			2		2	
	103907	KEY, 3/16"X7/8" WOODRUFF (12.9350)			1			1	1				
4C	5117720	LOCKWASHER (1 15/32") (3.4330)					1			1		1	
	451082	NUT, 3/4"-16 HEX. (12.9120)							1				
4C	5117727	NUT (1 7/16") (3.4330)								1		1	
		12.5033 - BEARING, HYDRAULIC PUMP DRIVE SHAFT											
4C	5117700	BEARING, THRUST (3.4302)					2			2		2	
4C	5117704	WASHER, THRUST (3.4320)					1			1		1	
		12.5034 - TUBE, HYDRAULIC PUMP DRIVE OIL SUPPLY											
4C	5117728 *	TUBE (DEV. L. 6.74")					1			1			
4C	5162874	TUBE (DEV. L. 8.70") (1.7647)										1	
4C	225815	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)					1			1			
	5164312	TEE (4.3001)					1			1			
	5177752	TEE (2.7890)										1	
	442322	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)										2	
	103877	PLUG, 1/8" PIPE (12.9550)					1			1			
		* NOT SERVICED; USE 5145243 AND INCLUDE (1) 137405 CONNECTOR, (1) 143342 ELBOW, AND (1) 5167220 TEE.											
		12.5035 - GEAR, HYDRAULIC PUMP DRIVEN											
	5172916	GEAR		1									
	106958	KEY, 1/16"X1/2" WOODRUFF (12.9350)		1									
	140881	SCREW, #10-32X5/16" SET (12.9076)		1									
		12.5070 - VALVE, HYDRAULIC PUMP RELIEF											
	5127513	VALVE, REGULATOR		1									
	5122279	VALVE, CHECK (2.5006)		1									

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	62	64	70	72	73	76	77	80	84	85	88
	12.5001 - PUMP ASSY., HYDRAULIC													
		NOTE: COMPONENT PARTS OF HYDRAULIC PUMP ASSEMBLIES ARE SOLD BY VICKERS INC., DETROIT, MICHIGAN AND HYDRECO, CLEVELAND, OHIO. (FURNISH THEIR PART NUMBER WHICH IS SHOWN IN PARENTHESES). ALL ITEMS LISTED IN THIS GROUP ARE SOLD BY DETROIT DIESEL ALLISON DIVISION.												
	NPN	PUMP ASSY. (CUSTOMER FURNISHED)	1	1	1		1		1	1	1	1	1	1
4A	**5184293**	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-8-1C-LH) (13 GPM AT 2000RPM)				1								
4A	**5132239**	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-6-1C-LH) (6 1/4 GPM AT1200 RPM)						1						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										2		
4A	**179858**	BOLT, 7/16"-14X1" (12.9001)				1		1						1
4A	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)				4		4						4
	103321	LOCKWASHER, 3/8" (12.9200)										2		
4A	**103322**	LOCKWASHER, 7/16" (12.9200)				AR		AR						AR
4A	**103323**	LOCKWASHER, 1/2" (12.9200)				AR		AR						AR
	12.5005 - GASKET, HYDRAULIC PUMP													
4A	**5168852**	GASKET		1		1		1						
4A,D	**5188755**	GASKET			1		1					1	1	1
	12.5006 - DRIVE ASSY., HYDRAULIC PUMP													
		INCLUDES ITEMS IN 12.5025, 12.5027, 12.5030, 12.5033 AND 12.5037.												
	5131554	DRIVE ASSY.			1		1							
	179860	BOLT, 7/16"-14X1 1/4" (12.9001)			1		1							
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)			4		4							
	5150568	WASHER, FLAT COPPER (2.4050)			1		1							
	103322	LOCKWASHER, 7/16" (12.9200)			1		1							
	103323	LOCKWASHER, 1/2" (12.9200)			AR		AR							
	12.5007 - PULLEY, HYDRAULIC PUMP DRIVE													
	5108484	PULLEY	1											
	12.5009 - BELT, HYDRAULIC PUMP DRIVE													
	5126761	BELT SET (2 BELTS - 43.76"L., W.) (1.3320)	1											

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	62	64	70	72	73	76	77	80	84	85	88
		12.5010 - COUPLING, HYDRAULIC PUMP DRIVE												
4A,B	**5143616** *	COUPLING (21 EXTERNAL TEETH)		1	1	1	1	1			1	1		1
4A,B	**3292492** @	COUPLING (23 EXTERNAL TEETH) (1.7635)		1	1	1	1	1			1			1
4A	**5134339**	COUPLING (21 EXTERNAL TEETH) (12.4050)								1				
4A	**5132663**	COUPLING ASSY.								1				
		* EFFECTIVE WITH 8VA-20436, 16VA-1186.												
		@ THRU 8VA-20435, 16VA-1185.												
		12.5015 - PLATE, HYDRAULIC PUMP DRIVE												
4A,B	**5131627** *	PLATE (21 TEETH)		1	1	1	1	1	1		1	1	1	1
4A,B	**5153449** @	PLATE (23 TEETH) (1.7630)		1	1	1	1	1	1		1			1
4A,B	**5170450**	PLATE (1.7630)								1				
4A,B	**5177026**	SPACER (1.7630)		1	1	1	1	1	1		1	1	1	1
4B	**5172734**	RETAINER (1.7207)										1		1
4A,B	**5176474**	BOLT, 3/8"-24X1 1/8" (1.7630)		4	4	4	4	4	4		4	4	4	4
	5145092	BOLT, 3/8"-24X1.20"								4				
4C	**103321**	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR		AR	AR	AR	AR
		* EFFECTIVE WITH 8VA-20436, 16VA-1186.												
		@ THRU 8VA-20435, 16VA-1185.												
		12.5020 - ADAPTOR, HYDRAULIC PUMP												
4A	**5135907**	ADAPTOR		1		1								
4A	**5123814**	ADAPTOR						1						
4A	**5131332**	ADAPTOR									1	1		
4A	**5122386** *	ADAPTOR												1
	103196	STUD, 3/8"-16X1 9/16" (12.9117)											2	2
4A	**179839**	BOLT, 3/8"-16X1" (12.9001)		6		6		6						
4A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)									2			
4A	**103321**	LOCKWASHER, 3/8" (12.9200)		AR		AR	AR	AR			AR		AR	AR
	117049	NUT, 3/8"-24 HEX. (12.9120)											2	2
		* LEFT BANK PUMP, TYPE 128.												
		12.5021 - GASKET, HYDRAULIC PUMP ADAPTOR												
4A	**5117061**	GASKET (1.5040)			1		1	1		1	1	1	1	1
		12.5023 - BRACKET, HYDRAULIC PUMP SUPPORT												
	5130197	BRACKET (MOUNTING)	1											
	5130179	SPACER (WASHER)	2											
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	2											

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	62	64	70	72	73	76	77	80	84	85	88
		12.5023 - BRACKET, HYDRAULIC PUMP SUPPORT (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)	AR											
	102635	NUT, 3/8"-16 HEX. (12.9120)	2											
		12.5025 - HOUSING, HYDRAULIC PUMP DRIVE												
4D	5130511	HOUSING			1		1							
		12.5027 - SHAFT, HYDRAULIC PUMP DRIVE												
4D	5148000	SHAFT			1		1							
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE												
4A	5168688	GEAR		1		1		1						
4A	5188848	GEAR (COUPLING)			1		1							
4D	5188762	GEAR (12.5035)			1		1							
	5132663	GEAR (COUPLING) (12.5010)								1				
4A	5131401	GEAR									1			
4D	5135263	GEAR										1		
4D	5135738	GEAR												1
4D	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)			2		2							
	103907	KEY, 3/16"X7/8" WOODRUFF (12.9350)		1										
	108635	PIN, 1/8"X1 1/8" COTTER (12.9250)										1		
	122797	NUT, 5/8"-18 HEX. SL. (12.9130)										1		
		12.5033 - BEARING, HYDRAULIC PUMP DRIVE SHAFT												
4D	2954945	BEARING, BALL (3304LR1A) (5.1070)			2		2							
		12.5035 - GEAR, HYDRAULIC PUMP DRIVEN												
4D	5188762	GEAR (49 TEETH)			1									
4D	5131556	GEAR (49 TEETH)					1							
4D	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)			1		1						1	
4D	5188756	NUT, 1/2"-28 HEX. (12.5030)			1								1	
4D	122797	NUT, 5/8"-18 HEX. SL. (12.9130)					1							
		12.5037 - ADAPTOR, HYDRAULIC PUMP DRIVE SHAFT BEARING												
4D	5130828	ADAPTOR			1		1							
4D	5176947	SPACER (1"X.662")			1		1							
4D	114503	NUT, 3/8"-16 JAM (12.9120)			1		1							

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 89	95	96	108	112	114	115	128	135	149	169
	12.5001 - PUMP ASSY., HYDRAULIC												
		NOTE: COMPONENT PARTS OF HYDRAULIC PUMP ASSEMBLIES ARE SOLD BY VICKERS INC., DETROIT, MICHIGAN AND HYDRECO, CLEVELAND, OHIO. (FURNISH THEIR PART NUMBER WHICH IS SHOWN IN PARENTHESES). ALL ITEMS LISTED IN THIS GROUP ARE SOLD BY DETROIT DIESEL ALLISON DIVISION.											
	NPN	PUMP ASSY. (CUSTOMER FURNISHED)	1			1		1		2	1	1	
4A	**5184293**	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-8-1C-LH) (13 GPM AT 2000RPM)		1									
4A	**5132239**	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-6-1C-LH) (6 1/4 GPM AT1200 RPM)		1									
4A	**5138888**	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-210-9-34B-F7-12-S138LH)			1								
4A	**5184292**	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-8-1C-RH) (7 1/2 GPM AT1200 RPM)					1						
4A	**5139670**	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-330-19-1C-11-RH) (17 GPM AT1200 RPM)							1				
	5145097	PUMP ASSY. (WITH ADAPTOR) (VICKERS NO. V20-1-P-8-P-1C-10) (13 GPM @1200 RPM)											1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			2								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						2					
4A	**179858**	BOLT, 7/16"-14X1" (12.9001)					1		1				
4A	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)		4			4		4				
	103321	LOCKWASHER, 3/8" (12.9200)			2			2					
4A	**103322**	LOCKWASHER, 7/16" (12.9200)		AR									
4A	**103323**	LOCKWASHER, 1/2" (12.9200)		AR									
	12.5005 - GASKET, HYDRAULIC PUMP												
4A	**5168852**	GASKET		1			1				1	1	1
4A,D	**5188755**	GASKET						1					
4A	**5124926**	GASKET							1				
4A	**5111828**	GASKET								1			
4A,D	**5188755** *	GASKET								1			
	5137221 @	GASKET								1			
		* FOR LEFT BANK PUMP, TYPE 128. @ FOR RIGHT BANK PUMP, TYPE 128.											
	12.5006 - DRIVE ASSY., HYDRAULIC PUMP												
		INCLUDES ITEMS IN 12.5025, 12.5027, 12.5030, 12.5033 AND 12.5037.											
	5124137	DRIVE ASSY.			1								

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 89	95	96	108	112	114	115	128	135	149	169
		12.5006 - DRIVE ASSY., HYDRAULIC PUMP (CONT'D)											
	5132874	STUD (3/8"-24X5.34")			2								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			2								
	181370	BOLT, 3/8"-24X1/4" (12.9001)						2					
	119092	BOLT, 3/8"-24X4 3/4" (12.9001)			2								
	5152148	WASHER, 3/8"X9/16" FLAT						2					
	103321	LOCKWASHER, 3/8" (12.9200)			4								
	117049	NUT, 3/8"-24 HEX. (12.9120)			2								
		12.5010 - COUPLING, HYDRAULIC PUMP DRIVE											
4A,B	5143616 *	COUPLING (21 EXTERNAL TEETH)	1	1		1	1		1		1	1	1
4D	5145282	COUPLING (9.1553)			1			1					
4A,B	5143616	COUPLING (21 EXTERNAL TEETH)								2			
		* EFFECTIVE WITH 8VA-20436, 16VA-1186.											
		12.5015 - PLATE, HYDRAULIC PUMP DRIVE											
4A,B	5131627 *	PLATE (21 TEETH)	1	1		1	1				1	1	
4A,B	5170450	PLATE (1.7630)											1
4A,B	5131627	PLATE (21 TEETH)								2			
4A,B	5177026	SPACER (1.7630)	1	1		1	1		1			1	
4A,B	5177026	SPACER (1.7630)								2			
4A,B	5176474	BOLT, 3/8"-24X1 1/8" (1.7630)	4	4		4	4		4	8	4	4	
	5145092	BOLT, 3/8"-24X1.20"											4
4C	103321	LOCKWASHER, 3/8" (12.9200)	AR										
		* EFFECTIVE WITH 8VA-20436, 16VA-1186.											
		12.5020 - ADAPTOR, HYDRAULIC PUMP											
4A	5135907	ADAPTOR		1			1						
4A	5122386 *	ADAPTOR				1				1			
4A	5135361	ADAPTOR	1										
	5108955	ADAPTOR (STEERING PUMP)						1					
4A	5120828	ADAPTOR							1				
4A	5137222 @	ADAPTOR								1			
4A	5137472	ADAPTOR									1	1	1
	103196	STUD, 3/8"-16X1 9/16" (12.9117)				2							
	179838	BOLT, 3/8"-16X7/8" (12.9001)							6				
4A	179839	BOLT, 3/8"-16X1" (12.9001)		6			6						6
	186627	BOLT, 3/8"-24X1" (12.9001)						2					
	9430221	BOLT, 3/8"-24X4 3/4" (12.9001)						3					
	186317	BOLT, 3/8"-24X5" (12.9001)						1					
4A	179858	BOLT, 7/16"-14X1" (12.9001)	1			1				4	1	1	

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 89	95	96	108	112	114	115	128	135	149	169
		12.5020 - ADAPTOR, HYDRAULIC PUMP (CONT'D)											
4A	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4			4				8	4	4	
	5150568	WASHER, 7/16" FLAT COPPER (2.4050)										1	
4A	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR	AR	AR	AR				AR
4A	103323	LOCKWASHER, 1/2" (12.9200)										4	
	117049	NUT, 3/8"-24 HEX. (12.9120)				2		1					
		* LEFT BANK PUMP, TYPE 128.											
		@ RIGHT BANK PUMP, TYPE 128.											
		12.5021 - GASKET, HYDRAULIC PUMP ADAPTOR											
4A	5117061	GASKET (1.5040)				1	1			2	1	1	
	5122227	GASKET (1.5060)						1					
		12.5025 - HOUSING, HYDRAULIC PUMP DRIVE											
4D	5124135	HOUSING			1								
4C	5117723	HOUSING (1.7645)						1					
4D	5188755	GASKET (12.5005)			1	1							
4C	5117116	GASKET (3.4360)						1					
		12.5027 - SHAFT, HYDRAULIC PUMP DRIVE											
4D	5112516	SHAFT			1								
4D	106749	KEY, 1/8"X1/2" WOODRUFF (12.9350)			1			1					
4D	5123124	HUB			1								
4C	5123082	HUB (1.7643)						1					
	181377	BOLT, 3/8"-24X1 3/4 (12.9001)						3					
	103321	LOCKWASHER, 3/8" (12.9200)						AR					
	103323	LOCKWASHER, 1/2" (12.9200)						1					
	103028	NUT, 1/2"-20 HEX. (12.9120)						1					
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE											
4A	5138079	GEAR								1	1		
4A	5168688	GEAR		1			1						1
4D	5135738	GEAR			1								
4D	5135378	GEAR (COUPLING) (12.5010)	1										
4D	5182667	GEAR (26 TEETH)			1								
4C	5123091	GEAR (INCLUDES BUSHING) (1.7630)						1					
4A	5137403 *	GEAR							1				
4A	5137392 @	GEAR							1				
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)			1								
	455921	PIN, 1/8"X1 1/2" SPRING (12.9270)	1						2	1	1		
4C	5117720	LOCKWASHER, (1 15/32" EXT. TOOTH)						1					

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 89	95	96	108	112	114	115	128	135	149	169
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE (CONT'D)											
4C	**5117727**	NUT, 1 7/16"-16 HEX. (3.4330) * FOR LEFT BANK PUMP, TYPE 128. @ FOR RIGHT BANK PUMP, TYPE 128.						1					
		12.5033 - BEARING, HYDRAULIC PUMP DRIVE SHAFT											
4D	**2954945**	BEARING BALL (N.D. 3304LR1A) (5.1070)			2								
4C	**5117700**	BEARING (THRUST) (3.4302)						2					
4C	**5117704**	WASHER (THRUST) (3.4320)						1					
		12.5034 - TUBE, HYDRAULIC PUMP DRIVE OIL SUPPLY											
	5117728	* TUBE (DEV. L. 6.34") (1.7647)			1			1					
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)			1			1					
	5164312	TEE, 5/16" INV. FL. TUBE (4.3001)			1			1					
	5145009	PLUG, 1/8" PIPE (12.9550) * NOT SERVICED, USE 5145243 TUBE ASSY., 137405 CONNECTOR, 143342 ELBOW AND 5167220 TEE.			1			1					
		12.5035 - GEAR, HYDRAULIC PUMP DRIVEN											
4D	**5132024**	GEAR (49 TEETH)			1								
4D	**103375**	PIN, 3/32"X1 1/4" COTTER (12.9250)			1								
4D	**5188756**	NUT, 1/2"-28 HEX. (12.5030)			1								
		12.5037 - ADAPTOR, HYDRAULIC PUMP DRIVE SHAFT BEARING											
4D	**5176949**	ADAPTOR			1								
4D	**5176947**	SPACER (1"X.662")			1								
4D	**102635**	NUT, 3/8"-16 HEX. (12.9120)			1								
4D	**5176948**	SCREW, SET (3/8"-16X1.18")			1								

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 170	174	177	178	180	182	184
		12.5001 - PUMP ASSY., HYDRAULIC							
		NOTE: COMPONENT PARTS OF HYDRAULIC PUMP ASSEMBLIES ARE SOLD BY VICKERS INC., DETROIT, MICHIGAN AND HYDRECO, CLEVELAND, OHIO. (FURNISH THEIR PART NUMBER WHICH IS SHOWN IN PARENTHESES.) ALL ITEMS LISTED IN THIS GROUP ARE SOLD BY DETROIT DIESEL ENGINE DIVISION.							
	NPN	PUMP ASSY. (CUSTOMER FURNISHED)						1	
4A	5184293	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-8-1C-LH)(13 GPM AT 2000 RPM)	1		1				
	5132239	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-6-1C-LH) (6 1/4 GPM AT1200 RPM)		1					
	5184292	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-230-8-1C-RH) (13 GPM AT2000 RPM)				1			
	5139670 *	PUMP ASSY. (LESS ADAPTOR) (VICKERS NO. V-330-19-1C-11-RH)(17 GPM AT 1200 RPM)					1		
	5188757	PUMP ASSY. (LESS ADAPTOR) (HYDRECO NO. 1515C12B1)(8 GPM AT 1800 RPM)							1
4A	179858	BOLT, 7/16"-14X1" (12.9001)	14	14	14	14	14		14
4A	179882	BOLT, 1/2"-13X1 1/8" (12.9001)							
		* OBSOLETE							
		12.5005 - GASKET, HYDRAULIC PUMP							
4A	5168852	GASKET	1	1	1	1			
4A	5111828	GASKET					1		
4A	5188755	GASKET							1
4A	5117061	GASKET						1	
		12.5007 - PULLEY, HYDRAULIC PUMP DRIVE							
	5133615	PULLEY (2 GROOVE, 5" DIA.) (12.4015)						1	
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)						1	
	272906	NUT, 3/4"-16 LOCK (12.5015)						1	
		12.5010 - COUPLING, HYDRAULIC PUMP DRIVE							
4A,B	5143616	COUPLING (21 EXTERNAL TEETH)	1	1	1	1	1		1

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 170	174	177	178	180	182	184
		12.5015 - PLATE, HYDRAULIC PUMP DRIVE							
4A,B	5170450	PLATE (1.7630)	1	1	1	1	1	1	1
4A,B	5131627	PLATE (1.7630)						1	
4A,B	5177026	SPACER (1.7630)						1	
4C	5145092	BOLT, 3/8"-24X1.20" (12.4037)	4	4	4	4	4	4	4
4A,B	5176474	BOLT, 3/8"-24X1 1/8" (1.7630)						4	
		12.5020 - ADAPTOR, HYDRAULIC PUMP							
		A RETAINER ASSEMBLY INCLUDES ITEMS IN 12.5033, 12.5038, AND SEAL IN 12.5036.							
4A	5123814	ADAPTOR	1	1	1	1			
4A	5120828	ADAPTOR					1		
4A	5122386	ADAPTOR							1
	5131402	RETAINER ASSY. (1.7645)						1	
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)							2
4A	179838	BOLT, 3/8"-16X7/8" (12.9001)					6		
4A	179839	BOLT, 3/8"-16X1" (12.9001)	6	6	6	6			
4A	179858	BOLT, 7/16"-14X1" (12.9001)						1	
4A	5130293	BOLT, 7/16"-14X1 1/4" (12.9001)			1	1			1
4A	179882	BOLT, 1/2"-13X1 1/8" (12.9001)						4	
	5125108	WASHER, 7/16"(2.4030)			1	1		1	1
4A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR		AR
4A	103323	LOCKWASHER, 1/2" (12.9200)						4	
	117049	NUT, 3/8"-24 HEX. (12.9120)							2
		12.5021 - GASKET, HYDRAULIC PUMP ADAPTOR							
4A	5117061	GASKET (1.5040)						1	
		12.5027 - SHAFT, HYDRAULIC PUMP DRIVE							
	5131130	SHAFT (1.7640)						1	
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE							
4A	5168688	GEAR	1	1	1	1			
4A	5111829	GEAR					1		
4A	5188848	GEAR							1
	103375	PIN, 3/32"X1 1/4" COTTER (12.9150)							1
	5188756	NUT, 1/2"-28							1
		12.5033 - BEARING, HYDRAULIC PUMP DRIVE SHAFT							
	907191	BEARING (N.D. 5206W.) (1.7655)						1	

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 170	174	177	178	180	182	184
	12.5036	**- SEAL, HYDRAULIC PUMP DRIVE**							
	5131329	SEAL (1.7660)						1	
	5131131	SPACER, SEAL (1.7665)						1	
	12.5038	**- RING, HYDRAULIC PUMP DRIVE COUPLING**							
	9415285	RING, LOCK (2 7/16" DIA.) (2.7470)						1	

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12.6000A GASOLINE STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8	9
		12.6010 - PULLEY, STARTING ENGINE DRIVE		
	5172691	PULLEY	1	
	5191330	KEY (8.1017)	1	
	139013	SCREW, 1/4"-28X1/2" SET (12.9076)	1	
		12.6020 - STARTER ASSY., ENGINE DRIVE		
		REPLACES STARTING MOTOR IN 7.3001 AND INCLUDES ITEMS IN 12.6030 THRU 12.6070.		
	5178356	STARTER ASSY.	1	1
	271557	BOLT, 5/8"-11X1 3/8" (12.9001)		3
	271562	BOLT, 5/8"-11X2" (12.9001)	2	
	100187	BOLT, 5/8"-11X2 1/2" (12.9001)	1	
	103325	LOCKWASHER, 5/8" (12.9200)	3	3
		12.6030 - HOUSING ASSY., DRIVE		
		INCLUDES BUSHING WHICH IS NOT SOLD SEPARATELY.		
	1912872	HOUSING ASSY.	1	1
	213546	BOLT, 1/4"-20X1" (12.9001)	6	6
	103319	LOCKWASHER, 1/4" (12.9200)	6	6
		12.6040 - DRIVE ASSY., STARTER (BENDIX)		
		DETAILS ARE NOT SOLD SEPARATELY.		
	5135822	DRIVE ASSY. (RA, RC ENGINE)	1	1
		12.6045 - SHAFT, STARTER DRIVE		
	5170055	SHAFT	1	1
		12.6050 - SPACER, STARTER DRIVE SHAFT		
	5170134	SPACER	1	1
		12.6060 - BEARING, STARTER DRIVE		
	954404	BEARING (N.D. 488505X1C) (25 MM.)	1	1
	954366	BEARING (N.D. 488506X1C) (30 MM.)	1	1

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12.6000A GASOLINE STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8	9
		12.6065 - ADAPTOR, STARTER DRIVE		
	5170056	ADAPTOR	1	1
		12.6070 - PULLEY, STARTER DRIVE DRIVEN		
		BATTERY CHARGING GENERATOR IN 7.1000A, STARTING MOTOR IN 7.3000A AND WIRING HARNESS IN 7.7001 IS NOT REQUIRED WHEN GASOLINE STARTER IS USED.		
	5178350	PULLEY	1	1
	5172490	KEY	1	1
	5173457	NUT	1	1
	122432	NUT, 7/8"-14 HEX. (12.9120)	1	1

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12.6000B AIR STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15	16	17	18	19	23	24	25	26	27	28	30
		12.6080 - AIR STARTER ASSY.												
		NOTE: AIR STARTERS ARE SOLD BY DETROIT DIESEL ONLY AS COMPLETE ASSEMBLIES. FOR SERVICE PARTS CONTACT INGERSOLL RAND. FURNISH THEIR ASSEMBLY PART NUMBER SHOWN IN PARENTHESES. AIR STARTER ASSY. 5132584, 5132585, 5135017 INCLUDES ITEMS IN 12.6120.												
	9139306	# AIR STARTER ASSY. (I.R. B41 RH-1) (R.H. ENG.) (8922742)	1						1					
	9066991	# AIR STARTER ASSY. (#SS660RB991A01) (R.H. ENG.) (8922742)	1						1	1	1			
	5132584	AIR STARTER ASSY. (I.R. #B21LH-31) (R.H. ENG.)			1									
	5132585	AIR STARTER ASSY. (I.R. #B21LH-32) (L.H. ENG.)				1								
	8921734	# AIR STARTER ASSY. (L.H.) (I.P. #SM450LB991A02) (8922741)		1				1				1		
	8922741	AIR STARTER ASSY. (L.H. METRIC) (I.R. #SS800BL/VRSM-960)											1	
	8922742	AIR STARTER ASSY. (R.H. METRIC) (I.R. #SS800BR/VRSM-956)												1
	5135017	* AIR STARTER ASSY. (I.R. #B21RH-17) (R.H. ENG.)					1							
	271557	BOLT, 5/8"-11X1 3/8" (12.9001)			3	3	3							
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)										3	3	3
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)	3	3				3	3	3	3			
	11500778	BOLT, M10X1.5X25.0MM (12.9001)											4	4
	103325	LOCKWASHER, 5/8" (12.9200)	3	3	3	3	3	3	3	3	3	3	3	3
	11500192	LOCKWASHER, M10 (12.9200)											4	4
		* NO LONGER AVAILABLE FOR SERVICE. # NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.												
		12.6085 - GASKET, AIR STARTER MOUNTING												
	5130995	# GASKET (7.3004)	1	1		1					1			
		# USE ONLY WHEN MARINE GEAR IS SPECIFIED.												
		12.6087 - FILTER, AIR STARTER												
	8922749	FILTER (NF-24)											1	1
		12.6120 - AIR STRAINER AND LUBRICATOR ASSY., AIR STARTER												
	5126596	# AIR STRAINER AND LUBRICATOR ASSY.	1	1				1	1	1	1	1		
	5198138	* AIR STRAINER AND LUBRICATOR ASSY.			1	1	1							
	8922743	* AIR STRAINER AND LUBRICATOR ASSY.											1	1
		# OBSOLETE.												
	127874	NIPPLE, 1"X1 1/2" (12.9560)			1									
		* SERVICED AS AN ASSEMBLY ONLY. FOR REPLACEMENT PARTS CONTACT MANUFACTURER, INGERSOL RAND, ATHENS, PA.												

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12.6000B AIR STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15	16	17	18	19	23	24	25	26	27	28	30
		12.6130 - VALVE ASSY., AIR STARTER												
	5132417	VALVE ASSY.			1	1								
	8922744	VALVE RELAY											1	1
	8922745	VALVE CONTROL											1	1
	127874	NIPPLE, 1"X1 1/2" (12.9560)			1	1	1							
		12.6140 - GAUGE, PRESSURE AIR STARTER												
	8923216	GAUGE, PRESSURE METRIC												1
	5175547	BRACKET												1
	1566992	MADALLION, INCLUDES STUD												1
	142079	PLUG, 5/8"												1
	120614	NUT, 10-32 CAD												1
		12.6170 - BRACKET, AIR STARTER												
	5147781	# BRACKET (8922408)								1	1	1		
	8922408	BRACKET											1	1
	5146029	* BRACKET	1	1				1						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1	1				1		1	1	3	3	3
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	3				3		3	3	3		
	5108435	WASHER, 3/8" (12.4010)	3	3				3		3	3	3	3	3
	103321	LOCKWASHER, 3/8" (12.9200)	6	6				6		6	6	6	3	3

* USE WITH 9139306 OR 5126591 STARTER ASSYS. ONLY.

\# NOT SERVICED; USE NUMBER SHOWN IN PARENTHESES.

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12.6000C COLD WEATHER STARTING AID

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3	17	19	32	33	35	37	39	43	45	56	59	69
		12.6301 - STARTING AID KIT, COLD WEATHER													
		▪ FOR TYPE 8 USE TYPE 69.▪ A STARTING AID KIT INCLUDES VALVE ASSY. IN 12.6301 PLUS ITEMS IN 12.6305 THRU 12.6390.													
	5193474	STARTING AID KIT (CAPSULE)	1												
	5122627	* STARTING AID KIT (SOLD ONLY AS AN ASSY.)		1											
	5198056	@ STARTING AID KIT (TURNER QUICK START, CONTINUOUS SHOT)						AR			AR				
	5131975	# STARTING AID KIT (TURNER QUICK START)							1	1					
	5137480	# STARTING AID KIT (MEASURED SHOT)										1	1		
	5142734	VALVE ASSY., START AID (CONTINUOUS SHOT)									1				
	5199495	FITTING, 1/4" PIPE									1				
		* NOT SERVICED; USE 5193474 TYPE 3. @ COMPONENT PARTS NOT SERVICED EXCEPT VALVE AND FITTING IN 12.6301. # NOT SERVICED; FOR REQUIREMENTS CONTACT TURNER CORP., 821 PARK AVENUE, SYCAMORE, ILLINOIS.													
		12.6305 - PUMP ASSY., STARTING AID													
		A PUMP ASSY. INCLUDES ITEMS IN 12.6312 THRU 12.6345.													
5A	5230535	PUMP ASSY. (7.8200)	1					1							
	5124156	PUMP			1	1									
	180021	BOLT, 1/4"-20X7/8" (12.9001)			4	4									
	120380	LOCKWASHER, 1/4" (12.9200)			4	4									
	120375	NUT, 1/4"-20 HEX. (12.9120)			4	4									
		12.6312 - SEAL RING, STARTING AID PUMP PLUNGER													
	5230543	SEAL RING (7.8215)	2					2							
		12.6330 - KNOB, STARTING AID PUMP PLUNGER													
5A	5152674	KNOB (7.8250)	1					1							
5A	122366	NUT, 5/8"-18 HEX. (12.9120)	1					1							
		12.6340 - VALVE, STARTING AID PUMP INLET													
5A	5230544	VALVE (7.8270)	1					1							

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12.6000C COLD WEATHER STARTING AID

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3	17	19	32	33	35	37	39	43	45	56	59	69
		12.6345 - VALVE, STARTING AID PUMP OUTLET													
5A	**5153358**	VALVE (7.8280)	1					1							
		12.6355 - TANK & STRAINER ASSY., STARTING AID													
	850613	+ *TANK ASSY.*						1							
		+ NO LONGER AVAILABLE FOR SERVICE.													
		12.6365 - TUBE, STARTING AID TANK TO PUMP													
	5174650	TUBE (3/16" DIA., 10 FT. LONG)						1							
	119122	ELBOW, 3/16" BALL SLEEVE TUBE (12.9420)						1							
	120488	SLEEVE, 3/16" BALL TUBE (12.9430)						1							
	120487	NUT, 3/16" BALL SLEEVE TUBE (12.9440)						1							
		12.6370 - TUBE, STARTING AID PUMP TO NOZZLE													
	5186108	TUBE (1/8"X4 FEET LONG)				1									
	5174649	TUBE (1/8" DIA. X 7 FEET LONG)	1				1	1							
	5125593	TUBE (3/16" DIA. X 27" DEV. L.)			1										
	5162792	TUBE (3/16" DIA. X 49.5" DEV. L.) (12.6365)			1										
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)								1					
	140303	ELBOW, 1/8" BALL SLEEVE TUBE 90 DEG. (12.9420)	1				1								1
	140323	ELBOW, 1/8" BALL SLEEVE TUBE 90 DEG. INT., EXT. P.T. (12.9420)	1					1							
	140337	TEE, 1/8" BALL SLEEVE TUBE (3-WAY) (12.9492)						1							
	121322	SLEEVE, 1/8" BALL TUBE (12.9430)	4			1	1	4							1
	120488	SLEEVE, 7/16" BALL TUBE (12.9430)			2			1							
	140577	CLIP, TUBE (12.9630)			1										
	5159738	CLIP, TUBE (7.8329)				1									
	5161896	CLIP, TUBE (7.8320)				1									
	140284	CONNECTOR, 1/8" BALL SLEEVE TUBE (12.9410)				1									
	120392	WASHER, 1/4" FLAT (12.9190)			1										
	121220	NUT, 1/8" BALL SLEEVE TUBE (12.9440)	4			1	1	4							1
	120487	NUT, 3/16" BALL SLEEVE TUBE (12.9440)			2					2					
		12.6375 - NOZZLE, STARTING AID PUMP TUBE													
	2185536	NOZZLE ASSY.	1			1		1							1
	5124157	NOZZLE			1										
	5124158	DRAINCOCK (12.6355)			1										

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12.6000C COLD WEATHER STARTING AID

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3	17	19	32	33	35	37	39	43	45	56	59	69
		12.6378 - WIRE, STARTING AID CONTROL													
	5146238	WIRE ASSY. (57"L.)											1		
	3796374	STOP, CONTROL WIRE (2.9426)											1		
	121832	SCREW, #8-32X3/8" (12.9025)											1		
		12.6380 - PUNCTURING TOOL ASSY., STARTING FLUID CAPSULE													
		A PUNCTURING TOOL ASSY. INCLUDES ITEMS IN 12.6385 AND 12.6390.													
5A	5186071	PUNCTURING TOOL ASSY.		1											
	5188309	PUNCTURING TOOL ASSY.					1								1
	5179427	DECAL, INSTRUCTION		1											
	5188904	BRACKET					1								
	186310	BOLT, 3/8"-24X3 1/2" (12.9001)					2								
		12.6385 - STRAINER & PLUG ASSY., STARTING FULID													
		A STRAINER AND PLUG ASSY. INCLUDES ITEMS IN 12.6385.													
5A	5192816	STRAINER & PLUG ASSY.		1											
	5192818	STRAINER		1											
	5194869	PIN, PIERCING					1								1
	5194867	SCREW, BULB NECK					1								1
	142858	BOLT, 1/4"-20X1/4" RD. HD. SL. (12.9025)		1											
	5194866	WASHER					1								1
	272914	NUT					1								1
		12.6390 - GASKET, STARTING FLUID STRAINER													
	5192819	GASKET		1											
	5195340	SCREEN ASSY.					1								1
	5194868	WASHER (BULB NECK)					1								1
		12.6391 - BRACKET, STARTING AID PUMP MOUNTING													
	5131733	BRACKET				1									
	5124694	BRACKET						1							
	5132317	BRACKET								1					
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)				2		2							
	181361	BOLT, 3/8"-24X7/8" (12.9001)								4					
	120393	WASHER, 5/16" FLAT (12.9190)				2									

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12.6000C COLD WEATHER STARTING AID

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3	17	19	32	33	35	37	39	43	45	56	59	69
		12.6391 - BRACKET, STARTING AID PUMP MOUNTING (CONT'D)													
	103321	LOCKWASHER, 3/8" (12.9200)								4					
	117049	NUT, 3/8"-24 HEX. (12.9120)								4					
		12.6400 - HEATING UNIT, CALROD													
	5175397	HEATING UNIT, 9" RADIUS							1						
	5175340	+ CLIP, 5/16"							1						
	120228	BOLT, 5/16"-18X5/8" (12.9001)							3						
	120214	LOCKWASHER, 5/16" (12.9200)							3						
		+ NO LONGER AVAILABLE FOR SERVICE.													
		12.6403 - WATER HEATER													
	5109494	HEATER												1	
		12.6405 - SWITCH, WATER HEATER CONTROL													
	5135314	SWITCH												1	
	190311	NIPPLE, 1"X2 1/2" PIPE												1	
		12.6406 - BRACKET, WATER HEATER													
	5146860	+ BRACKET												1	
	181567	BOLT, 1/4"-28X7/8" (12.9001)												1	
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)												2	
	120380	LOCKWASHER, 1/4" (12.9200)												1	
	121902	NUT, 1/4"-28 (12.9120)												1	
		+ NO LONGER AVAILABLE FOR SERVICE.													
		12.6407 - TUBE, WATER HEATER SUPPLY													
	5118467	HOSE, 7/8"X14 1/4" (9.1720)												1	
	5183079	ADAPTOR (9.1720)												2	
	127874	NIPPLE, 1"X1 1/2" PIPE												1	
	119100	ELBOW, 1"-90 DEG. INT. PIPE												1	
		12.6408 - TUBE, WATER HEATER OUTLET													
	5186232	HOSE, 7/8"X18 1/2" (4.3001)												1	
	5147026	+ ELBOW												1	
	5146136	GASKET (5.3325)												1	
	179829	BOLT, 5/16"-18X2 3/4" (12.9001)												2	

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12.6000C COLD WEATHER STARTING AID

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3	17	19	32	33	35	37	39	43	45	56	59	69
		12.6408 - TUBE, WATER HEATER OUTLET (CONT'D)													
	103320	LOCKWASHER, 5/16" (12.9200)												2	

+ NO LONGER AVAILABLE FOR SERVICE.

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 41	51	57	96	106	107	108	111	126	134	136	141
		12.6501 - STARTER ASSY., HYDRAULIC												
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED.												
6A	**6505065**	* STARTER ASSY. (CW) (PAGE A1)	1	1		1								
6A	**6505067**	@ STARTER ASSY. (CWW) (PAGE A1)			1							1		
6A	**5125121**	# STARTER ASSY. (CW) (PAGE A1)					1		1		1		1	1
6A	**5125122**	@ STARTER ASSY. (CCW) (PAGE A1)						1		1				
	273666	BOLT, 5/8"-11X1 3/8" (12 PT) (12.9005)	1	1	1	1	1	1	1	1	1	1	1	1
	271557	BOLT, 5/8"-11X1 3/8" (12.9001)		1	1		1	1					1	
	271559	BOLT, 5/8"-11X1 5/8" (12.9001)	1											
	426449	BOLT, 5/8"-11X1 5/8" (12.9001)				1			1	1	1	1		1
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* *DELCO CLUTCH, YOKE AND FORK PRIOR* TO 1975. BENDIX DRIVE COMPONENTS AFTER THIS DATE												
		@ NOT SERVICED COMPONENTS ARE AVAILABLE												
		# NOT SERVICED COMPONENTS ARE AVAILABLE. FOR ASSEMBLY REPLACEMENT USE 5147290.												
		12.6502 - GASKET, HYDRAULIC STARTER												
	5130995	* GASKET (7.3004)	1	1	1	1	1	1	1	1	1	1	1	1
		* REQUIRED ON UNITS WITH OIL IN FLYWHEEL HOUSING.												
		12.6551 - RESERVOIR, HYDRAULIC STARTER												
		A RESERVOIR ASSY. INCLUDES PLUG IN 12.6551 PLUS ITEMS IN 12.6555 AND 12.6558.												
	6505001	* RESERVOIR ASSY.	1			1						1		
	6505033	* RESERVOIR ASSY.		1	1									
	6505024	* RESERVOIR ASSY.					1	1	1	1				1
	5108611	RESERVOIR ASSY.											1	
	444687	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1		1	1	1
	5120380	DECAL	1	1	1	1	1	1	1	1		1	1	1
		* NOT SERVICED; USE COMPONENTS.												
		12.6552 - STRAP, HYDRAULIC STARTER RESERVOIR												
	5118808	STRAP	1			1	2	2	2	2		1	2	2
	5124564	BRACKET, MOUNTING STRAP	1			1			2			1		
	5115524	CLAMP		2	2									

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 41	51	57	98	106	107	108	111	126	134	136	141
		12.6552 - STRAP, HYDRAULIC STARTER RESERVOIR (CONT'D)												
	5159347	SPACER, 1/2"L							1					
	180120	BOLT, 3/8"-16X3/4" (12.9001)	1			1			2			1		
	186679	BOLT, 3/8"-16X1/4" (12.9001)	1			1			2			1		
	181360	BOLT, 3/8"-24X3/4" (12.9001)	2			2						2		
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)							4					
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR			AR			AR		
		12.6555 - CAP, HYDRAULIC STARTER RESERVOIR												
	1553180	CAP	1	1	1	1	1	1	1	1		1	1	1
		12.6558 - FILTER, HYDRAULIC STARTER RESERVOIR												
	6505020	FILTER ASSY.	1	1	1	1	1	1	1	1		1	1	1
		12.6570 - ACCUMULATOR, HYDRAULIC STARTER												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
6B	5128338 *	@ ACCUMULATOR ASSY. (2 1/4 GALLON, ITEM 2) (U.S. COAST GUARD INSPECTED)	1			1								
6B	5131276	ACCUMULATOR ASSY. (2 1/4 GALLON, ITEM 3) (U.S. COAST GUARD INSPECTED)	1			1	2			2				
6B	6505042 *	ACCUMULATOR ASSY. (2 1/4 GALLON, ITEM 1)	1			1								
6B	5125522 *	ACCUMULATOR ASSY. (2 1/4 GALLON, ITEM 2)	1	1	1	1	2	2	2	2		1	2	2
6B	5131274	ACCUMULATOR ASSY. (2 1/4 GALLON) (ITEM 3)	1	1	1	1	2	2	2	2		1	2	2
	5146282	DECAL, ACCUMULATOR CAUTION	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR	AR

* NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE 5131274

@ NOT SERVICED, COMPONENTS AVAILABLE , FOR COMPLETE REPLACEMENT USE 5131276

		12.6586 - GAGE, HYDRAULIC STARTER PRESSURE												
	6505012	GAGE (5000 P.S.I.)	1	1	1	1	1	1	1	1		1	1	1
	116332	BUSHING, 3/8"X1/4" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1		1	1	1

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 41	51	57	96	106	107	108	111	126	134	136	141
	12.6590	**- PUMP ASSY., HYD. STARTER ENGINE**												
		SEE ASSEMBLY BREAKDOWN PAGE C1.												
6F	**5125466**	PUMP ASSY. (ENGINE DRIVEN)	1	1	1	1	1	1	1	1		1	1	
6E	**6505030**	PUMP ASSY. (BELT DRIVEN)												1
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	4			4	4	4	4			4		
	103321	LOCKWASHER, 3/8" (12.9200)	4			4	4	4	4			4		
	117049	NUT, 3/8"-24 HEX. (12.9120)	4			4	4	4	4			4		
	12.6592	**- GASKET, HYDRAULIC STARTER ENGINE PUMP**												
	5117061	GASKET (1.5040)	1			1	1	1	1	1				
	12.6593	**- PLATE, HYDRAULIC STARTER ENGINE PUMP DRIVE**												
6F	**6525073**	PLATE	1	1	1	1	1	1	1	1		1	1	
	12.6630	**- PUMP ASSY., HYDRAULIC STARTER HAND**												
		SEE ASSEMBLY BREAKDOWN PAGE D1.												
6C,D	**6505002**	PUMP ASSY.	1	1	1	1	1	1	1	1		1	1	1
	12.6646	**- HANDLE, HYDRAULIC STARTER HAND PUMP**												
6C	**6525044**	HANDLE	1	1	1	1	1	1	1	1		1	1	1
	12.6655	**- PRIMER, FUEL**												
		NOTE: FUEL PRIMER PUMPS ARE SERVICED ONLY AS ASSEMBLIES. FOR COMPONENTS CONTACT THE KOHLER CO., KOHLER, WISCONSIN, AND FURNISH THEIR PART NUMBER WHICH APPEARS IN *PARENTHESES.*												
	5110760	PRIMER (K-2405-1/8-B-6)	1	1	1	1	1	1	1	1		1	1	1
	12.6670	**- BRACKET, HYDRAULIC STARTER ENGINE PUMP**												
	5114316	BRACKET												1

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 41	51	57	96	106	107	108	111	126	134	136	141
	12.6675	**- PULLEY, HYDRAULIC STARTER ENGINE PUMP DRIVEN**												
	5111289	PULLEY (7.1505)												1
	5114086	HUB (12.6673)												1
	179816	BOLT, 5/16"-18X3/4" (12.9001)												3
	103320	LOCKWASHER, 5/16" (12.9200)												3
	12.6682	**- STRAP, ACCUMULATOR MOUNTING**												
	5126381	STRAP ("U" BOLT; 5.96" L.)	2			2			4			2		
	5118559	SPACER	2			2			4			2		
	103321	LOCKWASHER, 3/8" (12.9200)	4			4			8			4		
	102635	NUT, 3/8"-16 HEX. (12.9120)	4			4			8			4		
	12.6684	**- BRACKET, HYDRAULIC STARTER HAND PUMP**												
	5114347	BRACKET	1			1			1			1		
	181429	BOLT, 1/2"-20X1 1/4" (12.9001)	2			2			2			2		
	103323	LOCKWASHER, 1/2" (12.9200)	2			2			2			2		
	103028	NUT, 1/2"-20 HEX. (12.9120)	2			2			2			2		

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 142	145	147	150	154	155	161	163	171	176	177		
		12.6501 - STARTER ASSY., HYDRAULIC													
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED.													
6A	6505065	* STARTER ASSY. (CW) (PAGE A1)	1			1									
6A	6505067	@ STARTER ASSY. (CWW) (PAGE A1)					1								
6A	5125121	# STARTER ASSY. (CW) (PAGE A1)		1					1	1		1			
6A	5125122	@ STARTER ASSY. (CCW) (PAGE A1)			1						1		1		
	5135160	@ STARTER ASSY. (CCW) (PAGE A1)						1							
	273666	BOLT, 5/8"-11X1 3/8" (12 PT) (12.9005)	1	1	1	1			1	1	1	1	1		
	271557	BOLT, 5/8"-11X1 3/8" (12.9001)	1	1	1	1	2	2				2			
	426449	BOLT, 5/8"-11X1 5/8" (12.9001)							2	2	2		2		
	103325	LOCKWASHER, 5/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
		* DELCO CLUTCH, YOKE AND FORK PRIOR TO 1975. BENDIX DRIVE COMPONENTS AFTER THIS DATE.													
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE													
		# NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR ASSEMBLY REPLACEMENT USE 5147290.													
		12.6502 - GASKET, HYDRAULIC STARTER													
	5130995	* GASKET (7.3004)	1	1	1	1	1	1	1	1	1	1	1		
		* REQUIRED ON UNITS WITH OIL IN FLYWHEEL HOUSING													
		12.6551 - RESERVOIR, HYDRAULIC STARTER													
		A RESERVOIR ASSY. INCLUDES PLUG IN 12.6551 PLUS ITEMS IN 12.6555 AND 12.6558.													
	6505033	* RESERVOIR ASSY.	1			1									
	6505024	* RESERVOIR ASSY.							1	1	1		1		
	5109748	* RESERVOIR ASSY.										1			
	444687	PLUG, 1/8" PIPE (12.9550)	1						1	1	1	1	1		
	5120380	DECAL	1			1			1	1	1	1	1		
		* NOT SERVICED, USE COMPONENTS.													
		12.6552 - STRAP, HYDRAULIC STARTER RESERVOIR													
	5118808	STRAP							2	2	2		2		
	5185800	STRAP										2			
	5124564	BRACKET, MOUNTING STRAP							2	2			2		

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 142	145	147	150	154	155	161	163	171	176	177
		12.6552 - STRAP, HYDRAULIC STARTER RESERVOIR (CONT'D)											
	5115524	CLAMP	2			2							
	5159347	SPACER, 1/2"L.							4	4			4
	180120	BOLT, 3/8"-16X3/4" (12.9001)							2	2			2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							2	2			2
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)							4	4			4
	103321	LOCKWASHER, 3/8" (12.9200)							AR	AR			AR
		12.6555 - CAP, HYDRAULIC STARTER RESERVOIR											
	1553180	CAP	1	1	1	1			1	1	1	1	1
		12.6558 - FILTER, HYDRAULIC STARTER RESERVOIR											
	6505020	FILTER ASSY.	1	1	1	1			1	1	1	1	1
		12.6570 - ACCUMULATOR, HYDRAULIC STARTER											
		SEE ASSEMBLY BREAKDOWN PAGE B1.											
6B	5131276	ACCUMULATOR ASSY. (2 1/4 GALLON, ITEM 3) (U.S. COAST GUARD INSPECTED)				1			2			4	
6B	5131274	ACCUMULATOR ASSY. (2 1/4 GALLON) (ITEM 3)	1	2	2						2		2
6B	5131688 *	ACCUMULATOR ASSY. (2 1/4 GALLON, 34 1/2" L.) (ITEM 3)								2			
	5146282	DECAL, ACCUMULATOR CAUTION	AR	AR	AR	AR			AR	AR	AR	AR	AR
		* LLOYDS APPROVAL											
		12.6586 - GAGE, HYDRAULIC STARTER PRESSURE											
	6505012	GAGE (5000 P.S.I.)	1	1	1	1			1	1	1	1	1
	116332	BUSHING, 3/8"X1/4" RED. PIPE (12.9570)	1						1	1	1		1
		12.6590 - PUMP ASSY., HYD. STARTER ENGINE											
		SEE ASSEMBLY BREAKDOWN PAGE C1.											
6F	5125466	PUMP ASSY. (ENGINE DRIVEN)	1			1			1	1		1	1
6E	6505030	PUMP ASSY. (BELT DRIVEN)									1		
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)							4	4			4
	103321	LOCKWASHER, 3/8" (12.9200)							4	4			4
	117049	NUT, 3/8"-24 HEX. (12.9120)							4	4			4

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 142	145	147	150	154	155	161	163	171	176	177
	12.6592	**- GASKET, HYDRAULIC STARTER ENGINE PUMP**											
	5117061	GASKET (1.5040)				1							
	12.6593	**- PLATE, HYDRAULIC STARTER ENGINE PUMP DRIVE**											
6F	**6525073**	PLATE			1	1			1			1	1
	12.6630	**- PUMP ASSY., HYDRAULIC STARTER HAND**											
		SEE ASSEMBLY BREAKDOWN PAGE D1.											
6C,D	**6505002**	PUMP ASSY.	1			1			1	1	1	1	1
	12.6646	**- HANDLE, HYDRAULIC STARTER HAND PUMP**											
6C	**6525044**	HANDLE	1			1			1	1	1	1	1
	12.6655	**- PRIMER, FUEL**											
		NOTE: FUEL PRIMER PUMPS ARE SERVICED ONLY AS ASSEMBLIES. FOR COMPONENTS CONTACT THE KOHLER CO., KOHLER, WISCONSIN, AND FURNISH THEIR PART NUMBER WHICH APPEARS IN PARENTHESES.											
	5110760	PRIMER (K-2405-1/8-B-6)	1			1			1	1	1	1	1
	12.6670	**- BRACKET, HYDRAULIC STARTER ENGINE PUMP**											
	5114316	BRACKET									1		
	12.6675	**- PULLEY, HYDRAULIC STARTER ENGINE PUMP DRIVEN**											
	5111289	PULLEY (7.1505)									1		
	5114086	HUB (12.6673)									1		
	179816	BOLT, 5/16"-18X3/4" (12.9001)									3		
	103320	LOCKWASHER, 5/16" (12.9200)									3		

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 142	145	147	150	154	155	161	163	171	176	177
		12.6682 - STRAP, ACCUMULATOR MOUNTING											
	5126381	STRAP ("U" BOLT; 5.96" L.)							4	4			4
	5118559	SPACER							4	4			4
	103321	LOCKWASHER, 3/8" (12.9200)							8	8			8
	102635	NUT, 3/8"-16 HEX. (12.9120)							8	8			8
		12.6684 - BRACKET, HYDRAULIC STARTER HAND PUMP											
	5114347	BRACKET							1	1			1
	181429	BOLT, 1/2"-20X1 1/4" (12.9001)							2	2			2
	103323	LOCKWASHER, 1/2" (12.9200)							2	2			2
	103028	NUT, 1/2"-20 HEX. (12.9120)							2	2			2

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 187	190	202	207	208	211
		12.6501 - STARTER ASSY., HYDRAULIC						
		REFER TO ASSEMBLY BREAKDOWN PAGE A1.						
	6505067 #	STARTER ASSY. (CCW)	1					
	6505065	STARTER ASSY. (CW)		1				
	5135067	STARTER ASSY. (CW)			1			
	5135160	STARTER ASSY. (CCW)			1			
	5125122	STARTER ASSY. (CCW)				1		
	5147290	STARTER ASSY. (CW)					1	1
	273666	BOLT, 5/8"-11X1 3/8" (12.9001)	1	1		1	1	1
	271557	BOLT, 5/8"-11X1 3/8" (12.9001)	1		4			
	426449	BOLT, 5/8"-11X1 5/8" (12.9001)		1		2	2	2
	103325	LOCKWASHER, 5/8" (12.9200)	2	2	AR	AR	AR	AR
		# NOT SERVICED, USE COMPONENTS, FOR COMPLETE REPLACEMENT USE 6505065.						
		12.6502 - GASKET, HYDRAULIC STARTER						
	5130995 *	GASKET (7.3004)	1	1	2	1	1	1
		* FOR MARINE GEAR OR TORQUE CONVERTER APPLICATIONS.						
		12.6551 - RESERVOIR, HYDRAULIC STARTER						
		INCLUDES PLUG IN 12.6551 PLUS ITEMS IN 12.6555 AND 12.6558.						
	6505033	RESERVOIR ASSY.	1					
	6505001 @	RESERVOIR ASSY.		1				
	5109748 @	RESERVOIR ASSY.			1			
	6505024 @	RESERVOIR ASSY.				1	1	1
	5145009	PLUG, 1/8" PIPE (12.9550)	1	1	1			1
	5120380	DECAL	1	1	1	1		1
	144083	TEE, 1/4" PIPE (12.9616)						1
		@ NOT SERVICED, USE COMPONENTS, FOR COMPLETE REPLACEMENT USE 6505033.						
		12.6552 - STRAP, HYDRAULIC STARTER RESERVOIR						
	5118808	STRAP		1		2	2	2
	5115524	CLAMP	2					
	5124564	BRACKET		1				
	180120	BOLT, 3/8"-16X3/4" (12.9001)		1				
	181360	BOLT, 3/8"-24X3/4" (12.9001)		2				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		1				
	103321	LOCKWASHER, 3/8" (12.9200)		AR				

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 187	190	202	207	208	211
	12.6555 - CAP, HYDRAULIC STARTER RESERVOIR							
	1553180	CAP	1	1	1			1
	12.6558 - FILTER, HYDRAULIC STARTER RESERVOIR							
	6505020	FILTER ASSY.	1	1	1			1
	12.6570 - ACCUMULATOR, HYDRAULIC STARTER							
		SEE ASSEMBLY BREAKDOWN PAGE B1.						
6B	**5131688** *	ACCUMULATOR ASSY. (2 1/4 GALLON, 34 1/2" L.)	2			2	2	
6B	**5131276**	ACCUMULATOR ASSY. (2 1/4 GALLON, ITEM 3) (U.S. COAST GUARDINSPECTED)		1				1
6B	**5131274**	ACCUMULATOR ASSY. (2 1/2 GALLON, 34 1/4" L., ITEM 3)			1			
	5146282	DECAL, ACCUMULATOR CAUTION	AR	AR	AR	AR	AR	AR
		* LLOYDS APPROVAL.						
	12.6586 - GAGE, HYDRAULIC STARTER PRESSURE							
	6505012	GAGE (5000 P.S.I.)	1	1	1	1	1	1
	116332	BUSHING, 3/8"X1/4" RED. PIPE (12.9570)		1		1	1	1
	12.6590 - PUMP ASSY., HYDRAULIC STARTER ENGINE							
		SEE ASSEMBLY BREAKDOWN PAGE C1.						
	5125466	PUMP ASSY. (ENGINE DRIVEN)	1	1	1	1	1	1
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)		4				
	5121674	WASHER, 1/2" BEVEL (CAD.) (11.1073)		4				
	103321	LOCKWASHER, 3/8" (12.9200)		4				
	117049	NUT, 3/8"-24 HEX. (12.9120)		4				
	12.6593 - PLATE, HYDRAULIC STARTER ENGINE PUMP DRIVE							
6F	**6525073**	PLATE	1	1	1	1	1	1
	12.6630 - PUMP ASSY., HYDRAULIC STARTER HAND							
		SEE ASSEMBLY BREAKDOWN PAGE D1.						
6C,D	**6505002**	PUMP ASSY.	1	1	1	1	1	1

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 187	190	202	207	208	211
	12.6646	**- HANDLE, HYDRAULIC STARTER HAND PUMP**						
6C	**6525044**	HANDLE	1	1	1	1	1	1
	12.6655	**- PRIMER, FUEL**						
		NOTE: FUEL PRIMER PUMPS ARE SERVICED ONLY AS ASSEMBLIES. FOR COMPONENTS CONTACT THE KOHLER CO., KOHLER, WISCONSIN, AND FURNISH THEIR PART NUMBER WHICH APPEARS IN PARENTHESES.						
	5110760	PRIMER (5-2405-1/8-B-6)	1			1	1	1
	12.6682	**- STRAP, ACCUMULATOR MOUNTING**						
	5126381	STRAP ("U" BOLT) (5.96" L.)		2				
	5118559	SPACER		2				
	103321	LOCKWASHER, 3/8" (12.9200)		4				
	102635	NUT, 3/8"-16 HEX. (12.9120)		4				
	12.6684	**- BRACKET, HYDRAULIC STARTER HAND PUMP**						
	5114347	BRACKET		1				
	181429	BOLT, 1/2"-20X1 1/4" (12.9001)		2				
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)		2				
	103323	LOCKWASHER, 1/2" (12.9200)		2				
	103028	NUT, 1/2"-20 HEX. (12.9120)		2				

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6501 - STARTER ASSY., HYDRAULIC														
	5135067	@ STARTER ASSY. (CW)						1								
	5125121	@ STARTER ASSY. (CW) (DELCO CLUTCH)		1												
	5125122	@ STARTER ASSY. (CCW) (DELCO CLUTCH)			1											
	6505065	# STARTER ASSY. (CW) (BENDIX CLUTCH)	1													
	6505067	@ STARTER ASSY. (CCW)				1										
	5135160	@ STARTER ASSY. (CCW)					1									
	5147290	STARTER ASSY. (CW) (BENDIX CLUTCH)							1							
	6525000	* PLATE, NAME	1	1	1	1	1	1								
	220259	* SCREW, # 0X1/4" DRIVE (12.9067)	4	4	4	1	4	4								
6A	**271557**	BOLT, 5/8"-11X1 3/8" HEX. HD. (12.9001)	1	1	1	1	1	1								
6A	**103325**	LOCKWASHER, 5/8" (12.9200)	1	1	1	1	1	1								
		* PART OF PLATE ASSY. IN 12.6520.														
		@ SHOWN FOR COMPONENT REFERENCE ONLY														
		# DELCO CLUTCH, YOKE, AND FORK PRIOR TO 1975.														
		12.6504 - HOUSING, HYDRAULIC STARTER DRIVE														
6A	**6505015**	HOUSING ASSY. (INCLUDES BUSHING, WICK AND PLUG)	1	1	1	1	1	1	1							
	6525027	BUSHING	1	1	1	1	1	1	1							
6A	**6525025**	WICK, OIL	1	1	1	1	1	1	1							
6A	**444687**	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1							
6A	**217947**	BOLT, 5/16"-24X5/8" HEX. SOCKET HD. (12.9027)	4	4	4	4	4	4	4							
6A	**103320**	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4							
		12.6506 - CLUTCH, HYDRAULIC STARTER DRIVE														
6A	**1932031**	* CLUTCH (DRIVE)	1					1								
6A	**1949752**	@ CLUTCH (DRIVE)		1												
6A	**1949753**	@ CLUTCH (DRIVE)			1											
6A	**1933404**	* CLUTCH (DRIVE)				1	1									
6A	**5147291**	CLUTCH (BENDIX 480274)	1	1				1	1							
6A	**5147295**	CLUTCH (CCW BENDIX 480275)			1	1	1									
		* NOT SERVICED, USE BENDIX PART NO. AND INCLUDE (1) EACH OF 5101581 AND 5101715.														
		@ NOT SERVICED, USE BENDIX PART NO. AND INCLUDE 5146901, 5146896, 5146894, 5101581, AND 5101715 AT ONE EACH.														
		12.6508 - YOKE, HYDRAULIC STARTER CLUTCH														
6A	**6525257**	YOKE (DELCO)	1	1	1	1	1	1								
	5101581	YOKE (BENDIX)	1	1	1	1	1	1	1							
		* NOT SERVICED, USE 5101715 AND														

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6508 - YOKE, HYDRAULIC STARTER CLUTCH (CONT'D)														
		5101581 AND APPLICABLE BENDIX CLUTCH IN 12.6506 TO SERVICE 5155121 OR 5155122 ASSY. INCLUDE (1) EACH OF 514 6896, 5146901, 5146894.														
		12.6509 - FORK, HYDRAULIC STARTER CLUTCH														
6A	**6525015**	FORK	1	1	1	1	1	1								
	5101715	FORK (BENDIX)							1							
		* NOT SERVICED, USE 5101715 AND 5101581 AND APPLICABLE BENDIX CLUTCH IN 12.6506 TO SERVICE 5155121 OR 5155122 ASSY. INCLUDE (1) EACH OF 5146896, 5146901, 5146894														
		12.6510 - HOUSING, HYDRAULIC STARTER CLUTCH														
6A	**6525008**	HOUSING	1			1	1	1								
6A	**5126685**	HOUSING (DELCO)		1	1											
	5146896	HOUSING (BENDIX)						1								
	5176705	ELBOW, 5/8"-90 DEG. BRASS (8.3800)		1	1											
	138239	BOLT, 5/16"-24X2 3/4" HEX. SOCKET HD. (12.9027)	4			4	4	4								
	138251	BOLT, 3/8"-16X3 1/4" HEX. SOCKET HD. (12.9027)		4	4											
	103320	LOCKWASHER, 5/16" (12.9200)	4			4		4								
	103323	LOCKWASHER, 5/16" (12.9200)					4									
	103321	LOCKWASHER, 3/8" (12.9200)		4	4											
		* NOT SERVICED, USE 5146896, 5146894 , 5101581, 5101715														
		12.6512 - SHAFT, HYDRAULIC STARTER CONTROL														
6A	**6525474**	SHAFT	1			1	1	1								
6A	**5126701** *	SHAFT		1	1											
	5146894	SHAFT							1							
6A	**6525288**	SEAL RING (7/8"I.D.)	2	2	2	2	2	2								
		* NOT SERVICED, USE 5146894 PLUS (1) EACH OF 5146896, 5146894, 5101581, 5101715 AND APPLICABLE BENDIX CLUTCH IN 12.6506														
		12.6513 - SPRING, HYDRAULIC STARTER CONTROL SHAFT TORSION														
6A	**6525021**	SPRING	1	1	1	1	1	1	1							

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6514 - HANDLE, HYDRAULIC STARTER CONTROL SHAFT														
6A	**6525475**	HANDLE	1	1	1	1	1	1	1							
6A	**181595**	BOLT, 5/16"-24X3/4" (12.9001)	2	2	2	2	2	2	2							
6A	**103320**	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2							
		12.6516 - VALVE ASSY., HYDRAULIC STARTER CONTROL														
		A VALVE ASSY. INCLUDES ITEMS IN 12.6517 (EXCEPT SEAL RING) AND 12.6518.														
6A	**5145664**	VALVE ASSY. (REMOTE CONTROL)	1	1	1	1	1	1	1							
	118748	CONNECTOR, 1/4" TUBE, 1/8" PIPE THD. (12.9380)					1	1								
	5111277	FITTING, SERVICE FEM. (1/4" HOSE X 7/16"-20)					1	1								
	5113629	FITTING, MALE (1/4" HOSE X 1/2"-27)					1	1								
	5108278	HOSE, 1/4"X6 1/2" (1.1130)					1	1								
6A	**179824**	BOLT, 5/16"-18X1 3/4" (12.9001)		2	2				2							
6A	**181345**	BOLT, 5/16"-24X1 3/4" (12.9001)	2			2	2	2								
6A	**103320**	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2							
		12.6517 - BODY, HYDRAULIC STARTER CONTROL VALVE														
		A BODY ASSY. INCLUDES ELBOW IN 12.6517 AND SEAL IN 12.6518.														
6A	**5199415**	BODY ASSY.	1	1	1	1	1	1	1							
6A	**6525111**	SEAL RING (9/16"I.D.)		1	1				1							
6A	**6525110**	SEAL RING (1/2"I.D.)	1			1	1	1								
6A	**9402839**	ELBOW, 1/2" HYDRAULIC FL. TUBE 90 DEG.	1	1	1	1	1	1	1							
6A	**6525261**	GASKET (1.125"O.D.X.906"I.D.) (12.6633)	1	1	1	1	1	1	1							
6A	**6525090**	PLUG (BREATHER VALVE)	1	1	1	1			1							
	5126466	PLUG (CONTROL VALVE)	1	1	1	1			1							
	5134978	PLUG					1	1								
		12.6518 - VALVE, HYDRAULIC STARTERCONTROL														
6A	**6505018**	VALVE (INCLUDES PIN)	1	1	1	1										
	5134984	VALVE ASSY. (INCLUDES PIN)					1	1								
6A	**6525114**	SEAL RING (3/4"I.D.)	3	3	3	3	2	2	3							
	5134976	RETAINER					1	1								

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6518 - VALVE, HYDRAULIC STARTERCONTROL (CONT'D)														
	5134977	PLUNGER					1	1								
	456390	PIN					1	1								
		12.6520 - PLATE, HYDRAULIC STARTER VALVE														
6A	**6505048**	PLATE ASSY. (INCLUDES OIL SEAL)	1			1	1	1								
6A	**5126704**	PLATE ASSY. (INCLUDES OIL SEAL AND RETAINING RING)		1	1				1							
6A	**6525007**	SEAL, OIL (1 1/4"I.D.)	1			1	1	1								
6A	**5125069**	SEAL, OIL (1 1/2"I.D.)		1	1				1							
	9414405	RING, RETAINING		1	1				1							
	5139415	RING, RETAINING					1	1								
	190429	ELBOW, 5/8" INV. FL. TUBE 90 DEG. (12.9390)	1			1	1	1								
6A	**5176705**	ELBOW, 3/4"-90 DEG. (8.3800)		1	1				1							
6A	**5115214**	PLUG, 1/4" PIPE (DRAIN) (12.9550)	1			1	1	1								
6A	**6525013**	WASHER (1 7/16"O.D.)	1			1										
6A	**5142549**	PLUG, 3/4" PIPE		1	1				1							
		12.6525 - HOUSING, HYDRAULIC STARTER MOTOR														
6A	**6505013**	HOUSING ASSY. (INCLUDES BEARING)	1			1	1	1								
6A	**5125071**	HOUSING ASSY. (INCLUDES BEARING)		1	1				1							
		12.6530 - GASKET, HYDRAULIC STARTER MOTOR HOUSING														
6A	**6525217**	GASKET (AT VALVE PLATE)	1			1	1	1								
6A	**6525218**	GASKET (AT VALVE PLATE)		1	1				1							
6A	**6525006**	GASKET (AT END COVER)	1			1	1	1								
6A	**5125068**	GASKET (AT END COVER)		1	1				1							
		12.6532 - SHAFT, HYDRAULIC STARTER														
6A	**6505031**	SHAFT	1			1	1	1								
	5146901	SHAFT							1							
6A	**6525010**	SPRING (COMPRESSION)	1	1	1	1	1	1								
6A	**5126709** *	SHAFT		1	1											
	5125084	WASHER		1	1											
6A	**6525094**	RETAINER, SNAP RING (WITH ONE PIECE RING)	1	1	1	1	1	1	1							
6A	**6525093**	RING, SNAP (ONE PIECE RING)	1	1	1	1	1	1	1							
6A	**5140097**	SHIM (.031")	AR			AR	AR	AR								

* NOT SERVICED, USE 5146901 PLUS

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6532 - SHAFT, HYDRAULIC STARTER (CONT'D)														
		5146894, 5146896, 5101581, 5101715 AND APPLICABLE BENDIX CLUTCH IN 12.6506.														
		12.6535 - ROTOR, HYDRAULIC STARTER														
6A	**6525009**	+ ROTOR (5149782)	1			1	1	1								
6A	**5126706**	+ ROTOR (5149783)		1	1											
6A	**5149782**	KIT	1			1	1	1								
6A	**5149783**	KIT		1	1											
		+ NOT SERVICED, USE NUMBER IN PARENTHESES														
		12.6537 - PISTON, HYDRAULIC STARTER														
6A	**6525020**	+ PISTON (5149782)	7			7	7	7								
6A	**5125085**	+ PISTON (5149783)		7	7				7							
		+ NOT SERVICED, USE NUMBER IN PARENTHESES														
		12.6540 - BEARING, HYDRAULIC STARTER END														
6A	**6505026**	BEARING ASSY. (INCLUDES COLLAR)	1			1	1	1								
6A	**907131**	BEARING (N.D. 5310BL1A)		1	1				1							
		12.6543 - COVER, HYDRAULIC STARTER END														
6A	**6525001**	COVER	1			1										
6A	**5135055**	COVER					1	1								
6A	**181345**	BOLT, 5/16"-24X1 3/4" (12.9001)	6			6	6	6								
6A	**103320**	LOCKWASHER, 5/16" (12.9200)	6	10	10	6	6	6	10							
6A	**5125080**	COVER		1	1				1							
6A	**179829**	BOLT, 5/16"-18X2 3/4" (12.9001)		10	10				10							

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6570 - ACCUMULATOR, HYDRAULIC STARTER														
	5125522	* % ACCUMULATOR ASSY. (2 1/4 GAL., 34 1/2"L.)			1											
	5128338	* & ACCUMULATOR ASSY. (2 1/4 GAL., 34 1/2"L.)		1												
	5131274	ACCUMULATOR ASSY. (2 1/4 GAL., 34 1/2"L.)				1										
	5131276	* ACCUMULATOR ASSY. (2 1/4 GAL., 34 1/2"L.)					1									
	6505042	% ACCUMULATOR ASSY. (2 1/4 GAL., 33 5/8"L.)	1													
	5131688	@ ACCUMULATOR ASSY. (2 1/4 GAL., 33 5/8"L.)						1								
	5146282	DECAL, HYDROSTARTER CAUTION	1	1	1	1	1	1								
		* U.S. COAST GUARD INSPECTED.														
		% NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5131274.														
		& NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5131276.														
		@ LLOYDS APPROVAL.														
		12.6572 - SHELL, HYDRAULIC STARTER ACCUMULATOR														
6B	6525190	% SHELL	1													
6B	5125462	% SHELL		1	1											
6B	5131272	SHELL				1	1	1								
		% NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5131274.														
		12.6573 - CAP, HYDRAULIC STARTER ACCUMULATOR														
6B	6525097	CAP	1			1	1									
6B	6525194	CAP		1	1	1	1	1								
	5126531	CAP						1								
	5128559	PLATE, NAME	1	1	1	1	1	1								
	220259	SCREW, #0X1/4" DRIVE (12.9067)	2	2	2	2	2	2								
		12.6574 - SEAL, HYDRAULIC STARTER ACCUMULATOR CAP														
6B	6525227	SEAL RING (5 1/8"O.D.)	1	1	1	2	2	2								
6B	6525427	RING, BACK-UP (5 1/8" O.D.)	1	1	1	2	2	2								

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	12.6576	**- VALVE, HYDRAULIC STRTER ACCUMULATOR**														
6B	**6525035**	VALVE	1	1	1	1	1	1								
6B	**6274217**	CAP, VALVE	1			1	1	1								
6B	**5125520**	CAP, VALVE		1	1											
	12.6580	**- PISTON, HYDRAULIC STARTER ACCUMULATOR**														
	6525193	PISTON	1													
6B	**5125519**	PISTON		1	1	1	1	1								
	12.6582	**- SEAL, HYDRAULIC STARTER ACCUMULATOR PISTON**														
6B	**6525151**	SEAL RING (4 3/4"O.D.)	1	1	1	1	1	1								
6B	**6525351**	RING, BACK-UP (4 3/4"O.D.)	2	2	2	2	2	2								
	12.6583	**- VALVE, HYDRAULIC STARTER ACCUMULATR PRESSURE RELIEF**														
	5126535	VALVE						1								
	6525289	SEAL RING						1								
	12.6584	**- DISC, HYDRAULIC STARTER ACCUMULATOR PRESSURE RELIEF VALVE**														
	5126533	DISC						1								
	6525107	SEAL RING						1								

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B
		12.6590 - PUMP ASSY., HYDRAULIC STARTER ENGINE		
	5125466	PUMP ASSY. (ENGINE DRIVEN)	1	
	6505030	PUMP ASSY. (BELT DRIVEN)		1
		12.6594 - DRIVE, HYDRAULIC STARTER ENGINE PUMP		
6F	6525066	DRIVE	1	
		12.6595 - BODY, HYDRAULIC STARTER ENGINE PUMP		
6F	6505014	BODY	1	1
6F	9411504	SPACER (1/8"I.D.X3/8"O.D.) (2.7430)	1	
6F	118753	ELBOW, 1/4"FL. TUBE 90 DEG. (12.9390)	1	1
6F	9402864	ELBOW, 3/8" HYDRAULIC FL. TUBE 90 DEG. (12.9391)	1	1
6F	118755	ELBOW, 3/8" FL. TUBE 90 DEG. (12.9390)	1	1
6F	6525195	PLUG, 1/8" PIPE (12.9550)	2	2
		12.6597 - HOUSING, HYDRAULIC STARTER ENGINE PUMP BEARING		
6F	6525057	HOUSING	1	
	6525005	HOUSING		1
6F	5125178	PLATE (MOUNTING)	1	
6F	181333	BOLT, 5/16"-24X5/8" (12.9001)	3	
	181595	BOLT, 5/16"-24X3/4" (12.9001)		3
6F	112723	LOCKWASHER, 5/16" (12.9200)	3	3
		12.6598 - GASKET, HYDRAULIC STARTER ENGINE PUMP BODY		
6F	6525065	GASKET	2	1
		12.6600 - SHAFT, HYDRAULIC STARTER ENGINE PUMP		
6F	6525050	SHAFT	1	
	6525095	SHAFT		1
	124545	KEY, 1/8"X5/8" WOODRUFF (12.9350)		1

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B
		12.6600 - SHAFT, HYDRAULIC STARTER ENGINE PUMP(CONT'D)		
6F	117030	LOCKWASHER, 3/8" (12.9200)	1	
	112724	LOCKWASHER, 9/16" (12.9200)		1
6F	117049	NUT, 3/8"-24 HEX. (12.9120)	1	
	122330	NUT, 9/16"-18 HEX. (12.9120)		1
		12.6602 - BEARING, HYDRAULIC STARTER ENGINE PUMP		
6F	903200	BEARING (N.D. 3200X1A) (IN BODY)	1	
6F	954498	BEARING (N.D. 3202L1A) (IN HOUSING)	1	
	905203	BEARING (N.D. 5203X1A) (DOUBLE ROW)		1
	907045	BEARING (N.D. 3203L1A) (SINGLE ROW)		1
	6525084	SPACER		1
		12.6003 - SEAL, HYDRAULIC STARTER ENGINE PUMP OIL		
	6525056	SEAL, OIL	1	
6F	5128569	SEAL, OIL (7/8"I.D.)		1
	6525083	SLEEVE, OIL SEAL		1
		12.6607 - PISTON, HYDRAULIC STARTER ENGINE PUMP		
6F	6525054	PISTON	1	1
		12.6608 - SPRING, HYDRAULIC STARTER ENGINE PUMP PISTON		
6F	6525055	SPRING	1	1
		12.6610 - BEARING, HYDRAULIC STARTER ENGINE PUMP PISTON		
6F	457249	BEARING (NEEDLE)	1	1
6F	6525075	RACE, BEARING	1	1
6F	6525076	WASHER	1	1
		12.6611 - RING, HYDRAULIC STARTER ENGINE PUMP		
	6525087	RING, THRUST		1

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	12.6615	**- VALVE, HYDRAULIC STARTER ENGINE PUMP CHECK**														
6F	**6505025**	VALVE ASSY. (INCLUDES BODY, SPRING AND BALL)	2	2												
6F	**6525071**	BAFFLE (SLOTTED HOLE)	3	3												
6F	**6525060**	RETAINER (PLUG)	2	2												
	12.6620	**- VALVE, HYDRAULIC STARTER ENGINE PUMP RELIEF**														
6F	**6525062**	VALVE (PISTON)	1	1												
6F	**6525102**	SEAL RING (5/32"I.D.)	1	1												
6F	**6525302**	RING, BACK-UP (.281"O.D.)	1	1												
	12.6622	**- SPRING, HYDRAULIC STARTER ENGINE PUMP RELIEF VALVE**														
6F	**6525079**	SPRING (SMALL)	1	1												
6F	**6525063**	SPRING (LARGE)	1	1												
	12.6623	**- SEAT, HYDRAULIC STARTER ENGINE PUMP RELIEF VALVE SPRING**														
6F	**6525078**	SEAT (SMALL, 5/16"O.D.)	1	1												
6F	**6525070**	SEAT (LARGE, 1/2"O.D.)	1	1												
	12.6625	**- PLUG, HYDRAULIC STARTER ENGINE PUMP RELIEF VALVE**														
6F	**6525061**	PLUG	1	1												
6F	**6525072**	GASKET, PLUG	1	1												

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A
		12.6630 - PUMP ASSY., HYDRAULIC STARTER HAND	
	6505002	PUMP ASSY.	1
		12.6633 - BODY, HYDRAULIC STARTER HAND PUMP	
6C,D	**6525040** *	BODY	1
6D	**118755**	ELBOW, 3/8" FL. TUBE 90 DEG. (12.9390)	1
6D	**9402864**	ELBOW, 3/8" HYDRAULIC FL. TUBE 90 DEG. (12.9391)	1
	6525261	GASKET, PLUG	2
6C	**6525089**	PLUG (7/8"-18)	2
		* NOT SERVICED; REPLACE PUMP ASSY.	
		12.6635 - VALVE, HYDRAULIC STARTER HAND PUMP RELIEF	
6D	**104919**	BALL, 5/16" DIA. STEEL (12.9670)	1
6D	**6525045**	SCREW, RELIEF VALVE	1
6D	**6525104**	SEAL RING (7/32"I.D.)	1
6D	**272121**	NUT, 7/16"-20 HEX. (12.9120)	1
		12.6638 - PISTON, HYDRAULIC STARTER HAND PUMP	
6C	**6525041**	PISTON	1
6C	**6525111**	SEAL RING (3/4"O.D.)	2
6C	**6525311**	RING, BACK-UP (3/4"O.D.)	2
		12.6640 - VALVE, HYDRAULIC STARTER HAND PUMP CHECK	
6D	**104919**	BALL, 5/16" DIA. STEEL (12.9670)	4
6D	**6525042**	SPRING	4
6D	**6525046**	PLUG, SPRING GUIDE	4
6D	**444606**	PLUG, 1/16" PIPE (12.9550)	2
		12.6643 - CAM, HYDRAULIC STARTER HAND PUMP	
6C	**6525043**	CAM	1
6C	**6525047**	PIN, CAM	1
	148150	SPRING, 3/8" RETAINER (12.9640)	2
		12.6645 - BOOT, HYDRAULIC STARTER HAND PUMP CAM	
6C	**6525048**	BOOT	1
6C	**6525081**	RING, BOOT RETAINER	1

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	26	32	34	35	36	42	47	50	57	58	60
	12.6801	**- FILTER ASSY., HYDRAULIC STARTER**												
		INCLUDES TWO 5120375 ADAPTORS IN 12.6801 AND ELEMENT IN 12.6805.												
	854453	FILTER ASSY. (AC TYPE GF-50)	1		1	1	1	1	1	1	1	1	1	1
	5120375	ADAPTOR, 1/4"X1/8" RED. PIPE (12.9570)	2		2	2	2	2	2	2	2	2	2	2
	443808	ELBOW, 3/8" FL. TUBE 90 DEG., 1/8" P.T. (12.9390)			2	2	2		2	2	2	2	2	2
	12.6803	**- BRACKET, HYDRAULIC STARTER FILTER MOUNTING**												
	5108610	BRACKET							1			1		
	5118187	BRACKET (AT FLYWHEEL HOUSING)			1	1	1			1	1		1	1
	179835	BOLT, 3/8 -16X5/8 (12.9001)			2	2	2			2	2		2	2
	103341	WASHER, 3/8" FLAT (12.9190)			2	2	2			2	2		2	2
	103321	LOCKWASHER, 3/8" (12.9200)			2	2	2			2	2		2	2
	12.6805	**- ELEMENT, HYDRAULIC STARTER FILTER**												
	854454	ELEMENT (AC TYPE GF-144)	1		1	1	1	1	1	1	1	1	1	1
	12.6807	**- REMOTE STARTING KIT, HYDRAULIC STARTER**												
	5196520 # *	REMOTE STARTING KIT			AR	AR	AR		AR	AR	AR	AR	AR	AR
		# INCLUDES ITEMS SHOWN IN TYPE 26 TO INSTALL REMOTE STARTING.												
		* NO LONGER AVAILABLE FOR SERVICE; *USE COMPONENTS.*												
	12.6808	**- CYLINDER ASSY., MASTER REMOTE CONTROL**												
		A CYLINDER ASSY. INCLUDES ITEMS IN 12.6810 THRU 12.6818.												
	5456712 *	CYLINDER ASSY.		1										
	191758	FITTING, 1/8" LUBE (12.9570)		1										
		* NO LONGER AVAILABLE FOR SERVICE; USE COMPONENTS.												
	12.6810	**- BODY, MASTER CYLINDER**												
		INCLUDES BUSHING WHICH IS NOT SERVICED SEPARATELY.												
6J	**5453733** *	BODY ASSY.		1										

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	26	32	34	35	36	42	47	50	57	58	60
		12.6810 - BODY, MASTER CYLINDER (CONT'D)												
		* NO LONGER AVAILABLE FOR SERVICE.												
		12.6812 - COVER, MASTER CYLINDER RESERVOIR												
6J	**5456728** *	COVER		1										
6J	**45260** *	SCREW, 1/4"-20 (12.6812)		4										
		* NO LONGER AVAILABLE FOR SERVICE.												
		12.6813 - GASKET, MASTER CYLINDER RESERVOIR COVER												
6J	**5300973** *	GASKET		1										
		* NO LONGER AVAILABLE FOR SERVICE.												
		12.6814 - PLUG, MASTER CYLINDER FILLER												
6J	**5300974** *	PLUG		1										
6J	**5461893** *	GASKET		1										
		* NO LONGER AVAILABLE FOR SERVICE.												
		12.6815 - PISTON ASSY., MASTER CYLINDER OPERATING												
6J	**5456726** *	PISTON ASSY.		1										
6J	**5456723** *	SEAL ASSY., PISTON		1										
6J	**5451121** *	SPRING ASSY. (INCLUDES RETAINER)		1										
		* NO LONGER AVAILABLE FOR SERVICE.												
		12.6816 - VALVE ASSY., MASTER CYLINDER OPERATING												
6J	**5456724** *	VALVE ASSY.		1										
		* NO LONGER AVAILABLE FOR SERVICE.												
		12.6817 - NUT ASSY., MASTER CYLINDER END												
6J	**5456727** *	NUT		1										
6J	**5450212** *	GASKET		1										
		* NO LONGER AVAILABLE FOR SERVICE												
		12.6818 - ROD ASSY., MASTER CYLINDER PISTON PUSH												
6J	**5450454** *	ROD ASSY.		1										
6J	**231435** *	RETAINER		1										
6J	**5456720** *	BOOT		1										

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	26	32	34	35	36	42	47	50	57	58	60
		12.6818 - ROD ASSY., MASTER CYLINDER PISTON PUSH (CONT'D)												
		* NO LONGER AVAILABLE FOR SERVICE.												
		12.6821 - SPRING, STARTER HANDLE RETURN												
	6525199	SPRING		1										
		12.6822 - PEDAL ASSY., HYDRAULIC STARTER REMOTE CONTROL												
	5138994	* PEDAL (UPPER ARM)		1										
	3687985	* ARM (LOWER)		1										
	3692283	* BUSHING, RED.		1										
	3692281	* SPRING, RETAINER		1										
	3692282	* LOCK		1										
	108629	PIN, 3/32"X7/8" COTTER (12.9250)		1										
6J	**596894**	@ BOLT, 3/8"-24X31/32"		1										
6J	**181370**	BOLT, 3/8"-24X1 1/4" (12.9001)		1										
6J	**103341**	WASHER, 3/8" FLAT (12.9190)		1										
6J	**103321**	LOCKWASHER, 3/8" (12.9200)		1										
6J	**122728**	NUT, 3/8"-24 HEX. (SLOTTED) (12.9130)		1										
7J	**117049**	NUT, 3/8"-24 HEX. (12.9120)		1										
		* OBSOLETE												
		@ NOT SERVICED, PROCURE FROM CHEVROLET DIVISION.												
		12.6825 - FITTINGS KIT, HYDRAULIC STARTER												
		A FITTING KIT INCLUDES THE NECESSARY FITTINGS REQUIRED IN THE MAKE-UP OF COMPLETE HOSE ASSEMBLIES, PLUS SUP PORTING CLIPS, BOLTS, LOCKWASHERS AND NUTS.												
	5196799	# KIT, RELIEF VALVE	AR		AR							AR		
	5193720	FITTINGS KIT	AR		AR							AR		
	5127830	& VALVE ASSY.	1	1				1				1	1	
		# REQUIRED WITH U.S. COAST GUARD INSPECTED ACCUMULATOR ASSY. IN 12.6570 AND IN ADDITION TO 5193720 FITTING KIT IN 12.9825.												
		& PART OF RELIEF VALVE KIT 5196799.												
		12.6827 - HOSE, HYDRAULIC STARTER (BULK) (LESS FITTINGS)												
		USE WITH 5193720 FITTINGS KIT IN 12.6825.												
	5195704	HOSE, 1/4"X24' (HIGH PRESSURE)	AR		AR							AR		

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	26	32	34	35	36	42	47	50	57	58	60
		12.6827 - HOSE, HYDRAULIC STARTER (BULK) (LESS FITTINGS)(CONT'D)												
		(12.8520)												
	5195706	HOSE, 1/4"X24' (LOW PRESSURE) (12.8520)	AR		AR							AR		
	5195705	HOSE, 3/8"X24' (HIGH PRESSURE) (12.8520)	AR		AR							AR		
	5195707	HOSE, 3/8"X24' (LOW PRESSURE) (12.8520)	AR		AR							AR		
	5195708	HOSE, 5/8"X24' (LOW PRESSURE) (12.8520)	AR		AR							AR		
		12.6830 - HOSE, HYDRAULIC STARTER RESERVOIR TO FILTER												
		A HOSE DOES NOT INCLUDE FITTINGS.												
	5142183 *	HOSE (3/8" I.D.X15" L.)			1	1	1		1	1	1		1	1
	5115727	HOSE, FLEX. (3/8" I.D.X26" L.)							1	1		1		
	5113191	FITTING, 3/8" TUBE (12.6692)			3	3	3		3	3	3	3	3	3
	144083	TEE, 1/4" PIPE (12.9616)			1	1	1		1	1	1	1	1	1
	105405	NIPPLE, 1/4"X7/8" PIPE (12.9560)			1	1	1		1	1	1	1	1	1
		* NOT SERVICED; STANDARD LENGTH HOSE 5113689 WILL BE FURNISHED.												
		12.6840 - HOSE, HYDRAULIC STARTER FILTER TO ENGINE PUMP												
		A HOSE DOES NOT INCLUDE FITTINGS.												
	5115727 *	HOSE (3/8" I.D. X26" L.) (12.6688)			1							1		
	5115732 *	HOSE, FLEX. (3/8" I.D.X43" L.)				1	1				1		1	1
	5115721 *	HOSE, FLEX. (3/8" I.D.X17" L.) (12.6690)							1	1				
	5113214	FITTING, (3/8" FLEX. HOSE 1/4" EXT. P.T.) (12.6689)			1	1	1				1		1	1
	5113191	FITTING, 3/8" TUBE (12.6692)							1	1	1	1		
		* NOT SERVICED; STANDARD LENGTH HOSE 5113689 WILL BE FURNISHED.												
		12.6845 - HOSE, HYDRAULIC STARTER FILTER TO HAND PUMP												
		A HOSE DOES NOT INCLUDE FITTINGS.												
	5142183 *	HOSE (3/8" I.D.X15" L.) (12.6830)			1				1	1		1		
	5118396 *	HOSE (3/8" I.D.X10" L.) (12.6840)				1	1				1		1	1
	5113191	FITTING, 3/8" TUBE (12.6692)			2	2	2		2	2	2	2	2	2

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	26	32	34	35	36	42	47	50	57	58	60
		12.6845 - HOSE, HYDRAULIC STARTER FILTER TO HAND PUMP(CONT'D)												
	118755	ELBOW, 3/8" FL. TUBE 90 DEG. (12.9390)			2	2	2		2	2	2	2	2	2
		* NOT SERVICED; STANDARD LENGTH HOSE 5113689 WILL BE FURNISHED.												
		12.6850 - TUBE, HYDRAULIC STARTER ENGINE PUMP TO ACCUMULATOR												
	5124192	HOSE, FLEX. (1/4" I.D.X49" L.)			1				1	1		1		
	5113193	HOSE, FLEX. (1/4" I.D.X49" L.) (12.6687)				1	1				1		1	1
	116332	BUSHING, 3/8"X1/4" RED. PIPE (IN CROSS) (12.9570)			1				1	1		1		1
	5151189	CLIP (TUBE ASSY. TO SMALL HOLE COVERS) (4.8040)			1	2	2		1	1	2	1	2	2
		12.6855 - TUBE, HYDRAULIC STARTER HAND PLUMP TO ACCUMULATOR												
	5120101	HOSE, FLEX. (1/4"I.D.X22"L.)			1				1	1				
	5115715	HOSE, FLEX. (1/4"I.D.X32"L.)				1					1		1	1
	5126901	HOSE, FLEX. (1/4"I.D.X26"L.)					1					1		
	5194857	ELBOW (3/8"FL. TUBE 90 DEG.)	1		1	1	1	1	1	1	1	1	1	1
	443981	NIPPLE, 3/8"X1 13/32" PIPE (12.9560)	2		1	2	2	1	1	1	2	1	2	2
	5114551	TAG (CABLE)			1									
		12.6860 - TUBE, HYDRAULIC STARTER ACCUMULATOR TO HYDRAULIC STARTER												
	5115713	HOSE, FLEX. (3/8"I.D.X41"L.)			1	2	1		1	1	2	1	2	2
	5126902	HOSE, FLEX. (3/8"I.D.X33"L.)					1							
	5194856	CROSS (4 WAY, 3/8" INT. P.T.) (AT ACCUMULATOR)	2		1	2	2	1	1	1	2	1	2	2
	454146	TEE, 3/8" PIPE (12.9616)			1				1	1		1		
	9402709	CONNECTOR, 1/2" TUBE, 3/8" P.T. (12.9415)	2		1	2	2	1	1	1	2	1	2	2
	5177001	CLIP (7/8" TUBE, 1/2" BOLT)			1	2	2		1	1	2	1	2	2
	9402839	ELBOW, 3/8"-90 DEG.	1			1	1	1			1		1	1
		12.6865 - HOSE, HYDRAULIC STARTER TO RESERVOIR												
	5135293 *	HOSE (1/2"I.D.X15"L.)			1									
	5108624	HOSE (3/4"I.D.X24 1/4")									1			
	5135293 *	HOSE (3/4"I.D.X30"L.)				1	1						1	1

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	26	32	34	35	36	42	47	50	57	58	60
		12.6865 - HOSE, HYDRAULIC STARTER TO RESERVOIR(CONT'D)												
	5135293 *	HOSE, FLEX. (5/8"I.D.X10"L.)							1	1		1		
	5126728	FITTING (12.4070)				2	2				2		2	2
	5113215	FITTING (12.6692)							1	1		1		
	5113192	FITTING, 5/8" TUBE (12.6692)							1	1		1		
	116487	CONNECTOR (5/8" TUBE, 1/2" P.T.) (12.9380)			1									
	5113192	CONNECTOR (5/8" FLEX. HOSE, 7/8"-14 INT. THD.)			2									
	5114551	TAG (CABLE)			1	3	3		3	3	3	3	3	3
	5126545	ADAPTOR				1	1				1		1	1
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.6870 - HOSE, HYDRAULIC STARTER ENGINE PUMP TO RESERVOIR												
		A HOSE DOES NOT INCLUDE FITTINGS.												
	5129867 *	HOSE (1/4"I.D.X38"L.)							1	1				
	5129867 *	HOSE (1/4"I.D.X55"L.)				1	1				1		1	1
	5129867 *	HOSE (3/8"I.D.X44"L.)			1							1		
	5111277	CONNECTOR, 1/4" FLEX. HOSE, 7/16"- 20 INT. THD.)			2	2	2		2	2	2	2	2	2
	118753	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)			1	1	1		1	1	1	1	1	1
	5151108	CLIP				2	2				2		2	2
	5153473	CLIP				1	1		1	1	1	1	1	1
	3291251	CLIP (5/8" TUBE, 1/2" BOLT) (12.9630)			1									
	179835	BOLT, 3/8"-16X5/8" (12.9001)			1	1	1		1	1	1	1	1	1
	103341	WASHER, 3/8" FLAT (12.9190)			1	1	1		1	1	1			
	103321	LOCKWASHER, 3/8" (12.9200)			1	1	1		1	1	1	1	1	1
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.6875 - HOSE, MASTER CYLINDER TO REMOTE CONTROL VALVE												
	2331112	HOSE ASSY. (19 1/2" L.)		1										
	6525200	ADAPTOR (7/16"-20-24)		1										
	118748	CONNECTOR, 1/4" FL. TUBE, 1/8" P.T. (12.9380)		1										
	442328	CONNECTOR, 1/4" FL. TUBE (12.9460)		1										
		12.6950 - HOSE, HYDRAULIC STARTER FUEL PRIMER												
		A HOSE DOES NOT INCLUDE FITTINGS.												
	5129867 *	HOSE (1/4"I.D.X44"L.) (STRAINER TO PRIMER)			1	1	1		2	2	1	1		

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	26	32	34	35	36	42	47	50	57	58	60
		12.6950 - HOSE, HYDRAULIC STARTER FUEL PRIMER (CONT'D)												
	5129867	* HOSE (1/4"I.D.X52"L.) (PRIMER TO FILTER)			1	1					1		1	1
	5111277	CONNECTOR (1/4" FLEX. HOSE, 7/16"- 20 INT. THD.)			4	4	4		4	4	4		4	4
	118753	ELBOW, 1/4" FL. TUBE 90 DEG., 1/8" P.T. (12.9390)			2	2	2		2	2	2	2	2	2
	116453	ELBOW, 1/4"-90 DEG. (12.9390)				1	1		2	2	1	1	1	1
	5185275	CLIP (TO FLYWHEEL HOUSING BOLT)			1	1	1		1	1	1	1	1	1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)				1	1				1			1
	2191465	TEE, 3/8"				1	1				1			1
	5138125	TEE, 3/8"											1	
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.6970 - VALVE ASSY., HYDRAULIC STARTER RELIE F												
	5199289	NUT, ADJUSTING SCREW LOCK	1	1				1				1	1	
	9025780	RING, SEAL	1	1				1				1	1	
	5199287	SEAT, VALVE	1	1				1				1	1	
	9034144	RING, SEAL	1	1				1				1	1	

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	70	73	83
		12.6801 - FILTER ASSY., HYDRAULIC STARTER				
		INCLUDES TWO 5120375 ADAPTORS IN 12.6801 AND ELEMENT IN 12.6805.				
	854453	FILTER ASSY. (AC TYPE GF-50)	1	1	1	
	5120375	ADAPTOR, 1/4"X1/8" RED. PIPE (12.9570)	2	2	2	
	443808	ELBOW, 3/8" FL. TUBE 90 DEG., 1/8" P.T. (12.9390)	2		2	
	5194857	ELBOW, 3/8" FL. TUBE 90 DEG. (12.6570)		2		
	454122	TEE, 3/8"-18 PIPE (12.9616)		1		
		12.6803 - BRACKET, HYDRAULIC STARTER FILTER MOUNTING				
	5118187	BRACKET (AT FLYWHEEL HOUSING)	1		1	
	179835	BOLT, 3/8"-16X5/8" (12.9001)	2		2	
	103341	WASHER, 3/8" FLAT (12.9190)	2		2	
	103321	LOCKWASHER, 3/8" (12.9200)	2		2	
		12.6805 - ELEMENT, HYDRAULIC STARTER FILTER				
	854454	ELEMENT (AC TYPE GF-144)	1	1		
		12.6821 - SPRING, STARTER HANDLE RETURN				
	6525199	SPRING				1
		12.6825 - FITTINGS KIT, HYDRAULIC STARTER				
		A FITTINGS KIT INCLUDES THE NECESSARY FITTINGS REQUIRED IN THE MAKE-UP OF COMPLETE HOSE ASSEMBLIES, PLUS SU PPORTING CLIPS, BOLTS, LOCKWASHERS AND NUTS.				
	5196799 @	KIT, RELIEF VALVE				AR
	5193720	FITTINGS KIT				AR
	5127830 #	VALVE ASSY.			1	1

@ REQUIRED WITH U.S. COAST GUARD INSPECTED ACCUMULATOR ASSY. IN 12.6570 AND IN ADDITION TO 5193720 FITTING KIT IN 12.6825.

PART OF RELIEF VALVE KIT 5196799.

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	70	73	83
		12.6830 - HOSE, HYDRAULIC STARTER RESERVOIR TO FILTER				
		A HOSE DOES NOT INCLUDE FITTINGS.				
	5142183 *	HOSE (3/8"I.D.X15" L.)	1		1	
	5115727	HOSE, FLEX. (3/8"I.D. X 26" L.)			1	
	5113191	FITTING, 3/8" TUBE (12.6692)	3		3	
	144083	TEE, 1/4" PIPE (12.9616)	1	1	1	
	105405	NIPPLE, 1/4"X7/8" PIPE (12.9560)	1	1	1	
		* NOT SERVICED; STANDARD LENGTH HOSE 5113689 WILL BE FURNISHED.				
		12.6840 - HOSE, HYDRAULIC STARTER FILTER TO *ENGINE PUMP*				
		A HOSE DOES NOT INCLUDE FITTINGS.				
	5115732 *	HOSE, FLEX. (3/8"I.D.X43" L.)	1			
	5113214	FITTING, 3/8" FLEX. HOSE 1/4" EXT. P.T.) (12.6689)	1		1	
		* NOT SERVICED; STANDARD LENGTH HOSE 5113689 WILL BE FURNISHED.				
		12.6845 - HOSE, *HYDRAULIC STARTER FILTER TO* HAND PUMP				
		A HOSE DOES NOT INCLUDE FITTINGS.				
	5142183 *	HOSE (3/8"I.D.X15" L.) (12.6830)			1	
	5118396 *	HOSE (3/8"I.D.X10" L.) (12.6840)	1			
	5113191	FITTING, 3/8" TUBE (12.6692)	2		2	
	118755	ELBOW, 3/8" FL. TUBE 90 DEG. (12.9390)	2		2	
		* NOT SERVICED; STANDARD LENGTH HOSE 5113689 WILL BE FURNISHED.				
		12.6850 - TUBE, HYDRAULIC STARTER ENGINE PUMP TO ACCUMULATOR				
	5124192	HOSE, FLEX. (1/4"I.D.X49"L.)			1	
	5113193	HOSE, FLEX. (1/4"I.D.X49"L.) (12.6687)	1			
	116332	BUSHING, 3/8"X1/4" RED. PIPE (IN CROSS) (12.9570)	1	1	1	
	5151189	CLIP (TUBE ASSY. TO SMALL HOLE COVERS) (4.8040)	2		1	

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	70	73	83
		12.6855 - TUBE, HYDRAULIC STARTER HAND PLUMP TO ACCUMULATOR				
	5120101	HOSE, FLEX. (1/4"I.D.X22"L.)			1	
	5115715	HOSE, FLEX. (1/4"I.D.X32"L.)	1			
	5194857	ELBOW (3/8" FL. TUBE 90 DEG.)	1		1	
	443981	NIPPLE, 3/8"X1 13/32" PIPE (12.9560)	2	1	1	
		12.6860 - TUBE, HYDRAULIC STARTER ACCUMULATOR TO HYDRAULIC STARTER				
	5115713	HOSE, FLEX. (3/8"I.D.X41"L.)	2		1	
	5194856	CROSS (4 WAY, 3/8" INT. P.T.) (AT ACCUMULATOR)	2	1	1	
	454146	TEE, 3/8" PIPE (12.9616)			1	
	9402709	CONNECTOR, 1/2" TUBE, 3/8" P.T. (12.9415)	2		1	
	5177001	CLIP (7/8" TUBE, 1/2" BOLT)	2		1	
	9402839	ELBOW, 3/8"-90 DEG.	1			
		12.6865 - HOSE, HYDRAULIC STARTER TO RESERVOIR				
	5135293 *	HOSE (1/2"I.D.X15"L.)			1	
	5135293 *	HOSE (3/4"I.D.X30"L.)	1			
	5126728	FITTING (12.4070)	2			
	116487	CONNECTOR (5/8" TUBE, 1/2" P.T.) (12.9380)			1	
	5113192	CONNECTOR (5/8" FLEX. HOSE, 7/8"- 14 INT. THD.)			2	
	5114551	TAG (CABLE)	3		1	
	5126545	ADAPTOR	1			
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN				
		12.6870 - HOSE, HYDRAULIC STARTER ENGINE PUMP TO RESERVOIR				
		A HOSE DOES NOT INCLUDE FITTINGS.				
	5129867 *	HOSE (1/4"I.D.X55"L.)	1			
	5129867 *	HOSE (3/8"I.D.X44"L.)			1	
	5111277	CONNECTOR, 1/4" FLEX. HOSE, 7/16"- 20 INT. THD.)	2		2	
	118753	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)	1		1	
	5151108	CLIP	2			
	5153473	CLIP	1			
	3291251	CLIP (5/8" TUBE, 1/2" BOLT)			1	

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 65	70	73	83
		12.6870 - HOSE, HYDRAULIC STARTER ENGINE PUMP TO RESERVOIR(CONT'D)				
		(12.9630)				
	179835	BOLT, 3/8"-16X5/8" (12.9001)	1		1	
	103341	WASHER, 3/8" FLAT (12.9190)			1	
	103321	LOCKWASHER, 3/8" (12.9200)	1		1	
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.				
		12.6875 - HOSE, MASTER CYLINDER TO REMOTE CONTROL VALVE				
	118748	CONNECTOR, 1/4" FL. TUBE, 1/8" P.T. (12.9380)			1	
		12.6950 - HOSE, HYDRAULIC STARTER FUEL PRIMER				
		A HOSE DOES NOT INCLUDE FITTINGS.				
	5129867	* HOSE (1/4"I.D.X52"L.) (PRIMER TO FILTER)	1		1	
	5129867	* HOSE (1/4"I.D.X52"L.) (STRAINER TO PRIMER)			1	
	5111277	CONNECTOR (1/4" FLEX. HOSE, 7/16"-20 INT. THD.)	4		4	
	118753	ELBOW, 1/4" FL. TUBE 90 DEG., 1/8" P.T. (12.9390)	2		2	
	116453	ELBOW, 1/4"-90 DEG. (12.9390)	1		2	
	5185275	CLIP (TO FLYWHEEL HOUSING BOLT)	1		1	
	5138125	TEE, 3/8"	1			
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.				
		12.6970 - VALVE ASSY., HYDRAULIC STARTER RELIEF				
	5199289	NUT, ADJUSTING SCREW LOCK			1	1
	9025780	RING, SEAL			1	1
	5199287	SEAT, VALVE			1	1
	9034144	RING, SEAL			1	1

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12.8000A SUPPLIES

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A
		12.8001 - PAINT, ENGINE TOUCH-UP (ALPINE GREEN)	
	5194974	PAINT (12 OZ. SPRAY CAN)	AR
	5194975	PAINT (1 GALLON)	AR
		12.8050 - CARTON, ENGINE PART	
	5149669	CONTAINER, FUEL INJECTOR ASSY.	AR
		12.8110 - LUBRICATING COMPOUND (THREAD)	
	5198563	INTERNATIONAL COMPOUND #2	AR
		12.8255 - SEALANT RTV	
	8922443	SEALANT, RTV 88 ML. 3 OZ.	AR
	8922442	SEALANT, RTV 305 ML. 10.3 OZ	AR

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12.8000B FABRICATION MATERIAL

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A
		12.8500 - CABLE, FLEXIBLE SHAFT	
	1567887	CABLE (500' SPOOL)	AR
		12.8502 - CASING, FLEXIBLE SHAFT	
	1569242	CASING (50' ROLL)	AR
		12.8506 - TIP, FLEXIBLE SHAFT LOWER	
	1567897	TIP (TL-4)	AR
		12.8508 - TIP, FLEXIBLE SHAFT UPPER	
	1567903	TIP (TU-2)	AR
	1567904	TIP (TU-3)	AR
		12.8510 - WASHER, FLEXIBLE SHAFT TIP RETAINING	
	1567907	WASHER (LOWER)	AR
	1568533	WASHER (UPPER)	AR
		12.8512 - SPRING, FLEXIBLE SHAFT CASING	
	1568529	SPRING (SP-2)	AR
	1568530	SPRING (SP-3)	AR
		12.8514 - FERRULE AND NUT, FLEXIBLE SHAFT CASING	
	1567877	FERRULE AND NUT (FE-1)	AR
	1535497	+ FERRULE, 7/8"	AR
	1568211	FERRULE AND NUT (FE-48)	AR
	845086	NUT, 7/8"	AR
		+ NOT SERVICED, USE 1568211 PLUS 6479007	
		12.8518 - STAKING AND SWAGING TOOL FLEXIBLE SHAFT	
	1582493	TOOL, CABLE STAKING	AR
	1582476	TOOL, SWAGING	AR
		12.8520 - HOSE, HYDRAULIC STARTER FLEXIBLE HOSE (BULK)	
	5195704	HOSE, 1/4"I.D.X24" (HIGH PRESSURE)	AR
	5195706	HOSE, 1/4"I.D.X24' (LOW PRESSURE)	AR
	5195705	HOSE, 3/8"I.D.X24' (HIGH PRESSURE)	AR

COLUMN B C D E F G H I J K L M N

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12.8000B FABRICATION MATERIAL

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.8520 - HOSE, HYDRAULIC STARTER FLEXIBLE HOSE (BULK)(CONT'D)														
	5195707	HOSE, 3/8"I.D.X24' (LOW PRESSURE)														
	5195708	HOSE, 5/8"I.D.X24' (LOW PRESSURE)	AR													
		12.8550 - HOSE, FLEXIBLE BULK														
		USE WITH FITTINGS IN 12.8552 AND CLIP IN 12.8554.														
	5199575	HOSE, #6X25'	AR													
	5199576	HOSE, #8X25'	AR													
		12.8552 - FITTINGS, FLEXIBLE (BULK) END END														
		USE WITH HOSE IN 12.8550.														
	5199583	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (STRAIGHT)	AR													
	5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (STRAIGHT)	AR													
	5199584	FITTING, #6 HOSE (1/4" MALE PIPE) (STRAIGHT)	AR													
	5199597	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (45 DEG.)	AR													
	5199593	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (45 DEG.)	AR													
	5199592	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (90 DEG.)	AR													
	5199588	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (90 DEG.)	AR													
	5199580	FITTING, #8 HOSE (3/4"-18 MALE INV. FL.) (STRAIGHT)	AR													
	5199585	FITTING, #8 HOSE (3/8" MALE PIPE) (STRAIGHT)	AR													
	5199594	FITTING, #8 HOSE (3/4"-18 INV. FL.) 45 DEG.)	AR													
	5199589	FITTING, #8 HOSE (3/4"-18 INV. FL.) (90 DEG.)	AR													
		12.8554 - CLIP, FUEL SYSTEM FLEXIBLE HOSE														
		ONE (1) CLIP IS REQUIRED FOR EACH 18" OF HOSE CUT LENGTH.														
	2488022	CLIP, #6 HOSE (NEOPRENE COATED)	AR													
	2362448	CLIP, #8 HOSE (NEOPRENE COATED)	AR													

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12.8000C KITS, SERVICE

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A
		12.8715 - KITS, SERVICE	
	5196373	ENGINE OVERHAUL GASKET KIT (6V-71) (STD. & W.B.P.) (1.1002)	AR
	5196374	ENGINE OVERHAUL GASKET KIT (8V-71) (STD. & W.B.P.) (1.1002)	AR
	5196375	ENGINE OVERHAUL GASKET KIT (12V-71) (STD. & W.B.P.) (1.1002)	AR
	5196963	ENGINE OVERHAUL GASKET KIT (16V-71) (STD.) (1.1002)	AR
	5198150	ENGINE OVERHAUL GASKET KIT (16V-71) (W.B.P.) (1.1002)	AR
	5196132	ENGINE OVERHAUL GASKET KIT (MARINE SUPPLEMENTARY) (16V-71) (1.1002)	AR
	5196376	ENGINE OVERHAUL GASKET KIT (MARINE SUPPLEMENTARY) (6&8V-71) (1.1002)	AR
	5196378	ENGINE OVERHAUL GASKET KIT (MARINE SUPPLEMENTARY) (12V-71) (1.1002)	AR
	5196379	ENGINE OVERHAUL GASKET KIT (INDUSTRIAL SUPPLEMENT) (12V-71)(1.1002)	AR
	5197858	ENGINE OVERHAUL GASKET KIT (TURBO) (8V-71) (1.1002)	AR
	5199244	CONVERSION BLOCK KIT (6V-71) (1.1004)	AR
	5199245	CONVERSION BLOCK KIT (8V-71) (1.1004)	AR
	5199246	CONVERSION BLOCK KIT (12V-71) (1.1004)	AR
	5199247	CONVERSION BLOCK KIT (16V-71) (1.1004)	AR
	5199279	CONVERSION BLOCK KIT (8V-71) (TURBO) (1.1004)	AR
	5196380	CYLINDER HEAD OVERHAUL GASKET KIT (6V-71) (1.2002)	AR
	5196381	CYLINDER HEAD OVERHAUL GASKET KIT (8&16V-71) (1.2002)	AR
	5196382	CYLINDER HEAD OVERHAUL GASKET KIT (12V-71) (1.2002)	AR
	8922118	SHEEL SET (1.3090)	AR
	5149294	STABILIZER KIT, MAIN BEARING CAP (1.3115)	AR
	5198306	KIT RECONDITIONING, VIBRATION DAMPER (16V-71) (1.3146)	AR
	5149262	CYLINDER KIT ("N" NON-AUTO.) (N60 INJECTOR AND BELOW) (6,8,12&16V-71)(1.6182)	AR
	5149270	CYLINDER KIT (TURBO) (8,12V-71) (1.6182)	AR
	5149268	CYLINDER KIT (TURBO) (8,12,16V-71) (1.6182)	AR
	5149265	CYLINDER KIT ("N" NON-AUTO) (N65	AR

COLUMN B C D E F G H I J K L M N

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12.8000C SERVICE KITS AND SETS

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A
	12.8715	**- KITS, SERVICE (ALL) (CONT'D)**	
		INJECTOR AND ABOVE) (6,8,12V-71) (1.6182)	
	5149271	CYLINDER KIT (12V TURBO) (90 MM INJECTORS) (1.6182)	AR
	5199822	CYLINDER KIT (RECTANGULAR CROSSHEAD) (6,8,12,16V) (1.6182)	AR
	5199956	CYLINDER KIT (KEYSTONE, CROSSHEAD) (.001" O.S., O.D.) (6,8,12,16V) (1.6182)	AR
	5199821	CYLINDER KIT (KEYSTONE, CROSSHEAD, TURBO) (6,8,12,16V) (1.6182)	AR
	5198175	ACCESSORY DRIVE SEAL KIT (6,8,12,16V) (1.7602)	AR
	8925981	KIT, INJECTOR HOLE TUBE (1.2001)	AR
	5229649	INJECTOR OVERHAUL KIT (6,8,12,16V) (2.1002)	AR
	5228313	INJECTOR VALVE KIT (6,8,12,16V) (2.1238)	AR
	5228706	+ INJECTOR VALVE KIT (6,8,12,16V) (2.1238)	AR
	5228769	INJECTOR VALVE KIT (6,8,12,16V) (2.1238)	AR
	5199560	FUEL PUMP KIT (2.2001)	AR
	5199735	FUEL PUMP KIT (2.2001)	AR
	5195078	FUEL PUMP OVERHAUL KIT (2.2004)	AR
	5149599	FUEL PUMP OVERHAUL KIT (2.2004)	AR
	5197329	FUEL COOLER INSTALLATION KIT (2.5213)	AR
	8926448	FUEL SUPPLY & RETURN KIT-CROSSOVER	AR
	5149646	BLOWER INSTALLATION GASKET KIT (NON-TURBO) (6V) (3.4003)	AR
	5149644	BLOWER INSTALLATION GASKET KIT (8, 16V) (3.4003)	AR
	5149642	BLOWER INSTALLATION GASKET KIT (12V) (3.4003)	AR
	5108120	BLOWER REPAIR KIT (NON-TURBO) (6,8,12,16V) (3.4005)	AR
	5108121	BLOWER REPAIR KIT (TURBO) (8,12,16V) (3.4005)	AR
	5108123	BLOWER REPAIR KIT (TURBO) (8V) (3.4005)	AR
	5196760	BLOWER END PLATE COVER KIT (6V-71) (3.4180)	AR
	5196761	BLOWER END PLATE COVER KIT (8V-71) (3.4180)	AR
	5196762	BLOWER END PLATE COVER KIT (12V-71) (3.4180)	AR
	5196763	BLOWER END PLATE COVER KIT (12V-71) (3.4180)	AR
	8923904	TURBOCHARGER OIL SUPPLY HOSE KIT (3.5500)	AR
	8921987	DIPSTICK, KIT (4.6001)	AR
	8921988	DIPSTICK, KIT (4.6001)	AR
	8921989	DIPSTICK, KIT (4.6001)	AR
	8921990	DIPSTICK, KIT (4.6001)	AR
	8921991	DIPSTICK, KIT (4.6001)	AR

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12.8000C KITS, SERVICE

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A
	12.8715	KITS, SERVICE (CONT'D) (CONT'D)	
	5197508	FRESH WATER PUMP RECONDITIONING KIT (6-8V-71) (5.1002)	AR
	5197509	FRESH WATER PUMP RECONDITIONING KIT (6-8V-71) (5.1002)	AR
	5197158	FRESH WATER PUMP RECONDITIONING KIT (12V-71) (5.1002)	AR
	5198576	FRESH WATER PUMP RECONDITIONING KIT (12V-71) (5.1002)	AR
	5197438	FRESH WATER PUMP CARTRIDGE KIT (16V-71) (5.1002)	AR
	5197649	FAN REPAIR KIT (6-8V-71) (5.4003)	AR
	5194860	RAW WATER PUMP SEAL & IMPELLER REPLACEMENT KIT (6V-71) (5.6220)	AR
	5196846	RAW WATER PUMP SEAL & IMPELLER REPLACEMENT KIT (8-12-16V-71)(5.6220)	AR
	5197346	RAW WATER PUMP SEAL & IMPELLER REPLACEMENT KIT (12V-71) (5.6220)	AR
	5194598	WATER FILTER INSTALLATION KIT (6-8-12-16V-71) (5.7010)	AR
	5198299	CLUTCH SPRING KIT (6-8-12V-71) (8.1101)	AR
	5193753	HYDRAULIC MARINE GEAR OVERHAUL GASKET KIT (6-8V-71) (9.1017)	AR
	5192289	REVERSE CLUTCH PISTON SEAL KIT (6-8V-71) (9.1035)	AR
	5194835	PLANETARY GEAR ASSY. REPAIR KIT (6-8V-71) (9.1086)	AR
	5196134	FLYWHEEL AND FORWARD CLUTCH KIT (6-8V-71) (9.1203)	AR
	5192288	FORWARD CLUTCH PISTON SEAL KIT (6-8V-71) (9.1230)	AR
	5193474	COLD WEATHER STARTING AID KIT (CAPSULE) (12.6301)	AR
	5198056	COLD WEATHER STARTING AID KIT (TURNER QUICK START, CONTINOUS SHOT)(12.6301)	AR
	5196799	HYDRAULIC STARTER RELIEF VALVE KIT (12.6825)	AR
	5193720	HYDRAULIC STARTER FITTINGS KIT (12.6825)	AR

+ OBSOLETE.

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12.8000D MISCELLANEOUS SERVICE PARTS

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A
		12.8801 - MISCELLANEOUS SERVICE PARTS - SECTION 1	
	5198319	DEFLECTOR, IDLER GEAR OIL (12.8801)	1
	9439570	BEARING ASSY., BALL (7.1001)	AR
		12.8804 - MISCELLANEOUS SERVICE PARTS - SECTION 4	
	5149719	JUNCTION BLOCK ASSY (4.2388)	1
	5149928	CAP, INTERMEDIATE (FINISHED) (1.3110)	AR
	8923048	SHAFT & SPRING ASSY. (INCLUDES SPRING IN 3.4445) (4.89" L.) (48 TEETH FRONT, 29 TEETH REAR)	1
	8923049	SHAFT & SPRING ASSY. (INCLUDES SPRING IN 3.4445) (6.67" L.) (48 TEETH FRONT, 29 TEETH REAR)	1
	5149718	+ *ADAPTOR ASSY; FILTER (4.2290)*	1
	8922045	SEAL, CRANKSHAFT FRONT OIL (RH) (1.3040)	1
	8922046	SEAL, CRANKSHAFT FRONT OIL (LH) (1.3040)	1
		+ NOT SERVICED; USE 5104416 & 25010495	

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